

1709 Surf Avenue Site

1709 Surf Avenue
Brooklyn, New York 11224
NYSDEC Spill Number #03-02857

SUPPLEMENTAL SUBSURFACE SITE INVESTIGATION REPORT

Prepared For:

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c/o Taconic Investment Partners, LLC
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New York, New York

Submitted to:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street
Long Island City, New York 11101-5407

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Consulting*

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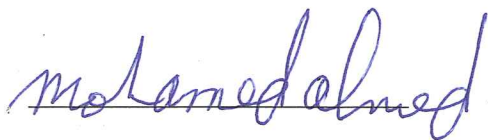
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1.0 CERTIFICATION BY QUALIFIED ENVIRONMENTAL PROFESSIONAL

I Mohamed Ahmed certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and *that this Supplemental Subsurface Site Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.*

A handwritten signature in blue ink, reading "Mohamed Ahmed", written over a horizontal line.

Mohamed Ahmed, PhD, CPG
Senior Geologist

2.0 INTRODUCTION

2.1 Background

The Site is located at 1709 Surf Avenue, Brooklyn, New York. The legal description of the Site is Block 7061, Lot 27. The Site is located on the north side of Surf Avenue, between West 17th Street and West 19th Street, in an area that is characterized by both residential and commercial usage. The Site currently consists of a graveled, semi-vegetated lot that has been vacant since 2003. A Site Location Map and a Site Plan are included as **Figures 1 and 2**, respectively.

On June 17, 2003 petroleum-contaminated soil was discovered during a tank removal and Spill No. 03-02857 was reported to the NYSDEC. Based on the review of previous reports, the Site was previously used as a gasoline station, automobile repair facility and car wash. Seventeen (17) underground storage tanks (USTs) of various sizes and associated soil were removed in 2003. Groundwater contamination was identified during the UST removal. Consequently, the NYSDEC requested that groundwater monitoring wells be installed on the property to establish the possible presence of free-phase product. FLS submitted a Phase II Environmental Site Investigation (ESI) Report to the NYSDEC, dated May 2008. The Phase II included the collection of soil and groundwater samples, and the installation of three permanent monitoring wells. Results from the aforementioned investigation indicated some elevated photoionization detector (PID) readings during drilling; detected low-level volatile organic compounds (VOCs) in soil, with one compound exceeding NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046, Recommended Soil Cleanup Objectives (RSCOs) at one location; and several semi-volatile organic compounds (SVOCs) exceeding the TAGM RSCOs. Groundwater contained elevated benzene, toluene, ethylbenzene, xylenes (BTEX) and MTBE at several on-Site locations, but no contaminants were detected at concentrations above the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1. Class GA Groundwater Standards (Class GA Standards) at the two downgradient wells (MW-2 and MW-3).

On September 2, 2010, 1709 Surf Avenue Associates, LLC, received a letter from NYSDEC stating that gasoline odors and contamination were reported in the basement of a building located at 1712 Mermaid Avenue in Brooklyn, immediately adjacent to the north to and hydraulically upgradient of the Site. The Department identified the Site as a possible source of this contamination, and requested an investigation. In response to the Department's letter, Fleming-Lee Shue, Inc. (FLS) prepared and submitted the revised *Work Plan for Supplemental Phase II Site Investigation* dated September 24, 2010 and approved by the New York State Department of Environmental Conservation (NYSDEC) September 28, 2010. The investigation described in the September 2010 Work Plan was implemented between 10/6 and 10/20/10 and included the installation of three (3) soil borings, conversion of the borings into permanent monitoring wells, and soil and groundwater sampling and analysis. Two (2) upgradient monitoring wells were installed north of the Site (south of the building fronting Mermaid Avenue) and one monitoring well was installed on-Site north of the tank excavation area in the former on-Site gasoline station. The Work Plan also included sampling of the three existing monitoring wells on the Site.

3.0 SITE DESCRIPTION AND PHYSICAL CHARACTERISTICS

3.1 Geology

The Site is mapped on the *40073-E8 Coney Island*, New York Quadrant 7.5 Minute Topographic Map, published by the United States Geological Survey (USGS) (**Figure 1**). Review of the topographic map revealed that the Site is located approximately 5 feet above mean sea level (msl).

Long Island is included within the Atlantic Coastal Plain and is considered a Glacial Outwash Plain, that is, the sand that forms the core of these islands was originally derived from the outwash of the Wisconsin glacier. A much larger "ancestral" Jamaica Bay is recorded by the presence of the Gardeners Clay throughout portions of the south shore of Long Island, including the region of modern Jamaica Bay. As the Wisconsin glacier melted, sea level competed with isostatic rebound, creating an uneven record of marine transgression and regression throughout the New York region in Late Pleistocene and Holocene times. On Long Island, the Ronkonkoma moraine marks the southernmost advance of the glacier in this region. During the last ice age, the growing mass of ice on the continents depleted the ocean waters enough to lower sea level by 100 meters. As the ice melted, the rising sea made parts of these moraines into islands.

Till, an unsorted mixture of mud, sand, gravel, cobbles, and boulders, is the most abundant glacial deposit. Glacial lake beds are broad layers of mud (deep water) and sand (shore zone) that were deposited in front of the glacier as the ice melted. Outwash is sand and gravel deposited by meltwater streams that flowed from the front of the glacier. These kinds of deposits have a wide range of thicknesses; in places, they may be piled one on top of the other.

Bedrock generally is covered by a layer of soil and other loose material. In 90 percent of New York State, bedrock is buried by surficial deposits that are more than one meter thick. Most of these deposits were left by a continental glacier—an ice sheet that was perhaps 2 km thick.

The subsurface investigation indicates that the Site is underlain by tan and gray, very fine sands that are well sorted and contain little to no fines.

3.2 Hydrogeology

Groundwater was encountered at approximately 4 to 5 feet below site grade (ft-bsg). However, based on the Site's proximity to the Atlantic Ocean, it is assumed that the water table on Site is tidally influenced. The local groundwater flow is assumed to be south/southwest toward the Atlantic Ocean.

4.0 DESCRIPTION OF SUBSURFACE INVESTIGATION FIELD ACTIVITIES

SSI field activities were performed between October 6 and October 20, 2010 and included the following:

- Advancement of three (3) soil borings to a depth of 13 feet below ground surface (bgs). One (1) soil boring was installed on the Site north of the area of the former gasoline station and underground tanks and two (2) borings were advanced on the property directly north and hydraulically upgradient of the Site.
- Collection and analysis of four (4) soil samples, one (1) field blank and one (1) trip blank.
- Installation of three (3) permanent groundwater monitoring wells concurrent with the soil boring locations.
- The collection of six (6) groundwater samples, one each from the three existing wells (MW-1, MW-2 and MW-3) and three newly installed wells (MW-4, MW-5, MW-6) and one field blank and one trip blank.

A Site Plan showing all sampling locations, Site features, former underground storage tank (UST) locations, and excavation areas is provided as **Figure 2**.

The scope of the field activities and methods are described below.

4.1 Soil Investigation

Soil borings were installed and soil samples were collected to assess the current environmental condition and to characterize the subsurface soil at the Site. **Figure 2** shows the locations of the soil borings advanced at the Site.

The subsurface soil sampling program was performed on October 6, 2010. Hollow stem auger drilling methods, utilizing a CME-95 drill rig, and 2-inch split-spoon sampler, were used to retrieve soil samples. Soil from each location was screened for VOCs along the vertical length of the soil column using a PID. Soil samples were collected from the interval directly above the groundwater table (located at approximately 5 ft bgs) and/or at the depth interval indicating the highest volatile organic contamination as measured by a PID or visual/olfactory observation. A description of the soils retained in each sample spoon was logged by FLS' geologist and recorded on individual soil boring logs. Soil boring logs, including the PID readings, for each sample, are provided as **Appendix A**. Upon completion, each boring was converted into a permanent monitoring well.

A description of each boring location is presented below.

- Soil boring MW-4 was located north of the Site (south of the building fronting Mermaid Avenue) approximately 40 ft from West 19th Street. One soil sample was collected from 0 to 2 feet bgs (MW-4 [0-2 feet]), from the location with the highest PID reading, and selected for laboratory analysis;
- Soil boring MW-5 was located north of the Site (south of the building fronting Mermaid Avenue) approximately 102 feet from West 19th Street. One soil sample was collected from 0 to 2 feet bgs (MW-5 [0-2 feet]), from the location with the highest PID reading, and selected for laboratory analysis;

- Soil boring MW-6 was located on-Site in the vicinity of the former service center, approximately 80 feet east and 30 feet north of MW-1. One soil sample was collected from 2 to 4 feet bgs (MW-6 [2-4 feet]) from the location with the highest PID reading, and selected for VOC laboratory analysis, and one sample was collected from 3 to 5 feet bgs (MW-6 [3-5 feet]) from the soil/groundwater interface and selected for SVOC laboratory analysis.

If no signs of contamination were noted based on field measurements and observations, one soil sample was collected from the soil/groundwater interface. If contamination was present, based on field measurements and/or observations, one soil sample was collected from the interval with the highest PID reading. A single sample was collected from a single interval at all locations with the exception of MW-6, where two intervals were collected due to lack of recovery; one sample from the interval with the highest PID reading (MW-6 [2-4 feet]) and one sample from the soil/groundwater interface (MW-6 [3-5 feet]).

Laboratory analyses were conducted in accordance with the approved subsurface investigation work plan.

The samples were collected and containerized in accordance with NYSDEC/United States Environmental Protection Agency (USEPA) protocols. Each container was properly labeled, preserved, and placed in a cooler for transport via courier to Accutest Laboratories of Dayton, New Jersey for analyses by Environmental Protection Agency (EPA) Method 8260 for Target Compound List (TCL) VOCs and by EPA Method 8270 for TCL SVOCs. Additionally, a field blank (FB10610) was collected and submitted for the same analyses and a trip blank (TB10610) was collected and submitted for TCL VOC analyses. Accutest is a New York State Department of Health (NYSDOH)-approved Environmental Laboratory Accreditation Program (ELAP)-certified analytical laboratory. Standard chain-of-custody procedures were followed. A summary of the analytical results is provided in **Tables 1 and 2** and a copy of the analytical laboratory results is attached in **Appendix B**.

4.2 Groundwater Investigation

All three soil boring locations were converted into permanent monitoring wells and all six monitoring wells (3 installed during a previous investigation and 3 installed as part of the SSI) were sampled. Two permanent groundwater monitoring wells were installed upgradient of the Site as per NYSDEC request. The wells were installed to determine if the adjacent area to the north along Mermaid Avenue and hydraulically upgradient had been impacted by the Site. One permanent groundwater monitoring well was installed on-Site to assess the current environmental condition of groundwater within the Site. The groundwater sampling program was completed on October 20, 2010. **Figure 2** shows the locations of the previously existing wells and the monitoring wells installed as part of the SSI.

General Boring was retained as a subcontractor by FLS for hollow stem auger (HAS) rotary drilling services. Three permanent monitoring wells (MW-4, MW-5 and MW-6) were installed concurrent with the soil boring locations. The wells were drilled using hollow stem augers and consist of 2-inch Schedule 40 PVC casing in a 6 ^{1/4} -inch augured hole. A 10-foot PVC screen (0.020 inch) slot was installed in the top 8 feet of groundwater. A filter pack of Morie No.2 sand was placed in the annular space around the screen and was extended two feet above the screen. A one-foot seal of bentonite pellets was placed above the sand pack. A grout, consisting of cement and bentonite mixture, extends from the bentonite pellet seal to two feet below ground. The remaining annular space was sealed with a concrete cap and well apron (expanding cement). A locking well cap was installed upon completion of each well.

The new wells were developed the day following installation via low flow pumping, using dedicated tubing. The wells were developed until the turbidity of the water sample reached less than 50 Nephelometric Turbidity Units (NTU), as measured by a nephelometer, or at least 5 well volumes of

groundwater had been pumped out. Prior to sampling, an electronic interface probe was used to measure the water level and thickness of free product, if any, in all wells. Free product was not detected at any of the well locations. The three existing wells (MW-1, MW-2, MW-3) and three new wells (MW-4, MW-5, MW-6) were purged and sampled on October 20 2010, using a low flow sampling pump (peristaltic pump). Groundwater samples were not collected until pH, temperature and conductivity measurements stabilized and the turbidity reading was 50 NTU or less, or until at least three well volumes were purged. Well construction logs are provided in **Appendix A**. Water quality measurements are detailed on **Table 3**.

The six groundwater samples were analyzed by USEPA Method 8260 for TCL VOCs and by USEPA Method 8270 for TCL SVOCs. Additionally, one field blank (FB102010) was collected for the same analyses and a trip blank (TRIP BLANK) was collected and submitted for TCL VOC analyses. The samples were collected and containerized in accordance with NYSDEC/USEPA protocols. Each container was properly labeled, preserved, and placed in a cooler for transport via courier to Accutest Laboratories. Standard chain-of-custody procedures were followed. A summary of the analytical results are provided in **Tables 4 and 5** and a copy of the analytical laboratory report is provided as **Appendix B**.

4.3 Investigation-Derived Waste (IDW)

All investigation-derived waste, including drill cuttings, developed/purged water and decon-pad wash water were containerized in DOT-approved 55-gallon drums. The drums were sealed at the end of each work day and were staged on-Site.

5.0 DISCUSSION OF FINDINGS

This section presents a discussion of the findings of the SSI. A summary of the laboratory results is presented in **Tables 1-5**. The sample collection logs and the complete laboratory analytical data packages are included in **Appendices A and B**, respectively.

4.1 Applicable Regulatory Standards

This subsection identifies the USEPA, NYSDEC, NYSDOH and/or NYCDEP regulatory standards and guidelines used to evaluate the results of the subsurface soil and groundwater sampling. The standards and guidelines used to evaluate the specific data are described individually below.

4.1.1 Soil Cleanup Objectives (SCOs)

6 NYCRR Part 375-6 - Track 1 Unrestricted Use Soil Cleanup Objectives (UUSCOs) have been established under title 6 of the Official Compilation of New York Codes, Rules and Regulations. Part 375 SCOs are applicable standards for the development and implementation of remedial programs for environmental restoration sites, specifically under subpart 375-4. Specially, Part 375 UUSCOs represent the concentration of a contaminant in soil which, when achieved at a site, will require no use restrictions on the site for the protection of public health, groundwater and ecological resources due to the presence of contaminants in the soil. Soil analytical results were compared to Part 375 UUSCO because they are the most conservative standard and the future use of the Site is currently unknown.

4.1.2 Groundwater Quality Standards and Guidance Values

Analytical results for groundwater were compared to New York State Class GA groundwater standards and guidance values, in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, *Ambient Water Quality Standards and Guidance Values* ("Class GA Standards"). Ambient water quality standards are enforceable regulatory limits. Where ambient water quality standards do not exist, ambient water quality guidance values were used to evaluate the groundwater results.

5.2 Soil Sampling Findings

Elevated PID readings were detected in all three borings; however no petroleum odors were observed. No staining was observed in any of the soil borings. PID readings detected in boring MW-4 ranged from 351 parts per million (ppm) to 1,905 ppm (0-6 ft bsg). PID readings detected in boring MW-5 ranged from 63.2 ppm to 2,409 ppm (0-6 ft bsg) and PID readings detected in boring MW-6 ranged from ND to 9,999+ ppm (0-6 ft bsg). Evidence of historic fill material was present in all borings from 0 to 2 ft bsg.

4.3.1 Volatile Organic Compounds (VOCs) in Soil

VOCs were not detected in the soil samples at concentrations that exceed the UUSCOs.

4.3.2 Semivolatile Organic Compounds (SVOCs) in Soil

SVOCs were not detected in the soil sample MW-6 (3-5 feet) at concentrations that exceed the UUSCOs. SVOC's related to historic urban fill (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-

cd)pyrene) were detected above their respective UUSCOs in soil samples MW-4 (0-2 feet) and MW-5 (0-2 feet) at concentrations ranging from 1.33 to 13.1 ppm.

5.3 Groundwater Sampling Findings

Groundwater was encountered at a depth ranging from 4 to 5 ft bgs. The depth to groundwater was measured on October 6, 2010 during soil boring installation. A review of the field parameters indicates that no elevated PID readings or visual evidence of contamination (abnormally low dissolved oxygen, Eh, pH below 5.5 or greater than 9, discoloration, free product, orange precipitate, etc.) were observed. The results of the analyses of the groundwater samples are presented in **Tables 4 and 5**. The complete analytical data report is presented in **Appendix B**. A review of the groundwater analytical results is presented below.

4.4.1 Volatile Organic Compounds (VOCs) in Groundwater

Tetrachloroethylene, a chlorinated solvent commonly used in dry cleaning, was detected in groundwater sample MW-6 at a concentration of 85.6 ug/L, exceeding its Class GA Standard of 5.0 ug/L. VOCs were not detected above the Class GA Standards in any other groundwater sample.

4.4.2 Semi-Volatile Organic Compounds (SVOCs) in Groundwater

With the exception of benzo(a)anthracene and chrysene, which were detected at concentrations exceeding the Class GA standards in groundwater sample MW-1, SVOCs were not detected in any other groundwater sample at concentrations exceeding the Class GA Standards.

5.4 Quality Assurance/Quality Control Measures

Two aqueous trip blanks were analyzed for VOCs to check for contamination during transport and sampling. Two aqueous field blanks were also collected and analyzed for all parameters. No VOCs or SVOCs were detected above the applicable standards in any of the soil or groundwater blanks.

5.5 Summary of Findings

FLS performed a SSI consisting of the installation of three soil borings and three permanent monitoring wells within and upgradient of the Site, collection and analysis of soil and groundwater samples, and sampling of the three previously installed monitoring wells. The results of the SSI indicate the following:

- Elevated PID readings were encountered at depths of approximately 0 to 6 ft bgs in all soil borings. Boring MW-6, the boring with the highest PID reading, was located in the area of the former on-Site service station;
- No petroleum related contamination was detected in any of the soil samples.
- Soil concentrations of VOCs were below the UUSCOs. Soil concentrations of historic fill related SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) exceeded the UUSCOs in upgradient samples MW-4 and MW-5.
- Groundwater exists on-Site at depths between approximately 4 and 5 ft bgs and the presumed groundwater flow direction is to the south/southwest toward the Atlantic Ocean;

- Groundwater concentrations of VOCs and SVOCs were below the Class GA Standards, with the exception of PCE in sample MW-6 and benzo(a)anthracene and chrysene in sample MW-1. Benzo(a)anthracene and chrysene are historic fill related compounds and their associated exceedance may be due to the presence of fill material on-Site.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are based on the findings of the soil and groundwater investigation described above. Upon approval of this SSI report by NYSDEC, a Remedial Action Work Plan (RAWP) will be submitted to NYSDEC.

- Elevated PID readings were noted during drilling activities, with the highest PID readings measured from 0-3 ft bgs.
- Elevated PID readings were noted during head space measurement at monitoring well MW-2.
- No VOCs were detected in soil at concentrations above the UUSCOs.
- Historic urban fill related SVOCs were detected at concentrations exceeding the UUSCOs in soil borings MW-4 and MW-5.
- PCE was detected in one groundwater sample (MW-6) at concentrations exceeding the Class GA Standards. PCE may have migrated from a former upgradient/crossgradient drycleaning facility. No other VOCs were detected in the groundwater samples at concentrations above the Class GA Standards and the results of the sampling in MW-4 and MW-5 do not indicate groundwater impacts associated with the Site.
- With the exception of benzo(a)anthracene and chrysene detected above Class GA Standards in one sample (MW-1), no SVOCs were detected in groundwater samples at concentrations above the Class GA Standards. Benzo(a)anthracene and chrysene are historic fill related compounds and their associated exceedance may be due to the presence of fill material on-Site.

The results of this investigation are consistent with the 2008 Phase II Environmental Site Investigation (ESI) conducted by FLS in which no petroleum constituents were detected above the regulatory standards in the downgradient monitoring wells (MW-2 and MW-3). Based on the findings of this SSI and the 2008 ESI, FLS recommends monitoring and sampling of the two downgradient monitoring wells (MW-2 and MW-3) for two quarters. If petroleum constituents in the downgradient wells remain below the regulatory standards during the two quarters, FLS will prepare a spill closure report for the NYSDEC review and will request closure of spill 03-02857.

7.0 REFERENCES

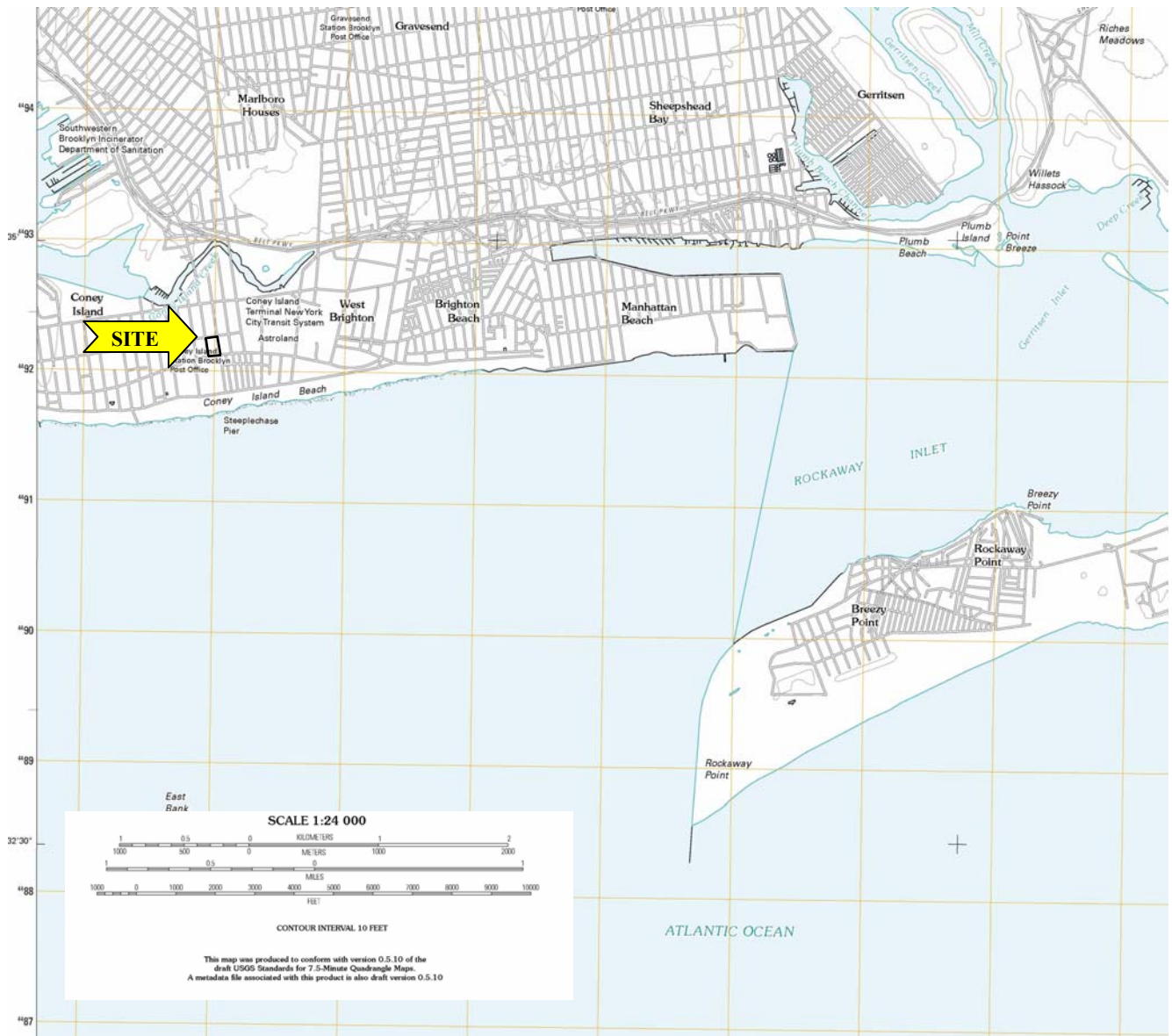
Phase II Environmental Site Investigation Report for 1709 Surf Avenue; Fleming Lee Shue; May 2008

6 NYCRR § 375, effective December 14, 2006; New York State Department of Environmental Conservation Rules and Regulations, Remedial Program Requirements.

6 NYCRR Chapter X § 700 – 706; New York State Department of Environmental Conservation Water Quality Regulations, Surface Water and Groundwater Classifications and Standards.

USGS; Marine and Coastal Geology of Long Island; <http://woodshole.er.usgs.gov/project-pages/longislandsound/index.htm>

FIGURES



Map Source: USGS Topographic Map – Coney Island, NY-NJ Quad. Dated 2010

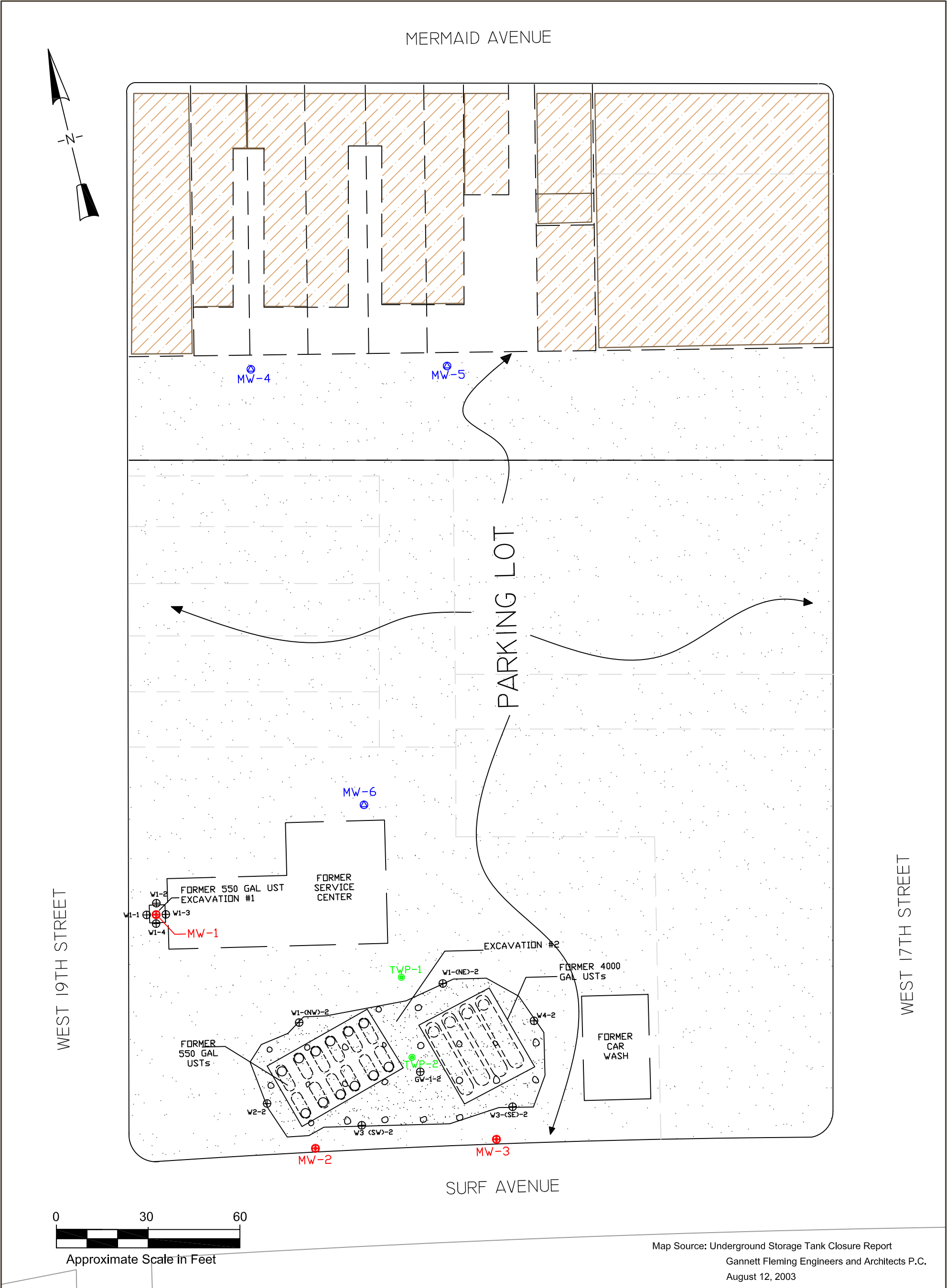
FIGURE 1: SITE LOCATION MAP

*Fleming
Lee Shue*

SITE: 1709 Surf Avenue, Brooklyn, NY
Block 7061 Lot 27

CLIENT: Taconic Investment Partners LLC

Environmental Management & Consulting, 158 West 29th Street, 9th Floor, New York, NY 10001



 Environmental Management & Consulting 158 West 29th St., 9 Fl. New York, NY 10001 Project Number 10073-016-1	1709 Surf Avenue Brooklyn, NY Date November 2010 FIGURE 2 MONITORING WELL LOCATIONS	LEGEND <table><tr><td>W4-2 ⊕</td><td>PREVIOUS ENDPOINT SAMPLING LOCATIONS</td><td></td><td>BUILDING FOOTPRINT</td></tr><tr><td>MW-3 ⊕</td><td>FLS PERMANENT MONITORING WELL LOCATIONS</td><td>- - -</td><td>LOT DIVISIONS</td></tr><tr><td>MW-4 ⊕</td><td>FLS PROPOSED MONITORING WELL LOCATIONS</td><td></td><td>UNDERGROUND STORAGE TANK LOCATIONS</td></tr><tr><td>●</td><td>FLS TEMPORARY WELLPOINT LOCATIONS</td><td></td><td></td></tr></table>	W4-2 ⊕	PREVIOUS ENDPOINT SAMPLING LOCATIONS		BUILDING FOOTPRINT	MW-3 ⊕	FLS PERMANENT MONITORING WELL LOCATIONS	- - -	LOT DIVISIONS	MW-4 ⊕	FLS PROPOSED MONITORING WELL LOCATIONS		UNDERGROUND STORAGE TANK LOCATIONS	●	FLS TEMPORARY WELLPOINT LOCATIONS		
W4-2 ⊕	PREVIOUS ENDPOINT SAMPLING LOCATIONS		BUILDING FOOTPRINT															
MW-3 ⊕	FLS PERMANENT MONITORING WELL LOCATIONS	- - -	LOT DIVISIONS															
MW-4 ⊕	FLS PROPOSED MONITORING WELL LOCATIONS		UNDERGROUND STORAGE TANK LOCATIONS															
●	FLS TEMPORARY WELLPOINT LOCATIONS																	

TABLES

Table 1
Volatile Organic Compounds in Soil
1709 Surf Avenue
Brooklyn, NY

Client ID Lab Sample ID Date Sampled	Part 375-6.8 NYSDEC Soil Cleanup Objective Unrestricted Use mg/kg	MW-4 (0-2) JA58043-3 10/6/2010 Result Q	MW-5 (0-2) JA58043-4 10/6/2010 Result Q	MW-6 (2-4) JA58043-1 10/6/2010 Result Q	MW-6 (3-5) JA58043-2 10/6/2010 Result	FB10610 JA58043-5 10/6/2010 Result Q	TB10610 JA58043-6 10/6/2010 Result Q
GC/MS Volatiles (mg/kg)							
Acetone	0.05	0.0028 U	0.0028 U	0.0026 U	NA	2.9 U	2.9 U
Benzene	0.06	0.00043 U	0.00043 U	0.00039 U	NA	0.23 U	0.23 U
Bromodichloromethane	NS	0.00032 U	0.00033 U	0.0003 U	NA	0.22 U	0.22 U
Bromoform	NS	0.00019 U	0.00019 U	0.00017 U	NA	0.23 U	0.23 U
Bromomethane	NS	0.00051 U	0.00051 U	0.00047 U	NA	0.30 U	0.30 U
2-Butanone (MEK)	0.12	0.0025 U	0.0025 U	0.0023 U	NA	1.6 U	1.6 U
Carbon disulfide	NS	0.00038 U	0.00039 U	0.00035 U	NA	0.74 U	0.74 U
Carbon tetrachloride	0.76	0.0007 U	0.0007 U	0.00064 U	NA	0.26 U	0.26 U
Chlorobenzene	1.1	0.00042 U	0.00043 U	0.00039 U	NA	0.39 U	0.39 U
Chloroethane	NS	0.0013 U	0.0013 U	0.0012 U	NA	0.37 U	0.37 U
Chloroform	0.37	0.0004 U	0.0004 U	0.00037 U	NA	0.23 U	0.23 U
Chloromethane	NS	0.00021 U	0.00021 U	0.00019 U	NA	0.29 U	0.29 U
Dibromochloromethane	NS	0.00014 U	0.00014 U	0.00013 U	NA	0.22 U	0.22 U
1,1-Dichloroethane	0.27	0.00017 U	0.00018 U	0.00016 U	NA	0.29 U	0.29 U
1,2-Dichloroethane	0.02	0.00043 U	0.00044 U	0.0004 U	NA	0.33 U	0.33 U
1,1-Dichloroethene	0.33	0.00083 U	0.00084 U	0.00076 U	NA	0.40 U	0.40 U
cis-1,2-Dichloroethene	0.25	0.0003 U	0.0003 U	0.00028 U	NA	0.22 U	0.22 U
trans-1,2-Dichloroethene	0.19	0.00056 U	0.00057 U	0.00052 U	NA	0.25 U	0.25 U
1,2-Dichloroethene (total)	NS	0.0003 U	0.0003 U	0.00028 U	NA	0.22 U	0.22 U
1,2-Dichloropropane	NS	0.00016 U	0.00017 U	0.00015 U	NA	0.27 U	0.27 U
cis-1,3-Dichloropropene	NS	0.00017 U	0.00017 U	0.00015 U	NA	0.25 U	0.25 U
trans-1,3-Dichloropropene	NS	0.00012 U	0.00012 U	0.00011 U	NA	0.21 U	0.21 U
Ethylbenzene	1	0.00047 U	0.00047 U	0.00043 U	NA	0.27 U	0.27 U
2-Hexanone	NS	0.0012 U	0.0012 U	0.0011 U	NA	1.4 U	1.4 U
Methyl Tert Butyl Ether	0.93	0.00035 U	0.00036 U	0.00033 U	NA	0.23 U	0.23 U
4-Methyl-2-pentanone(MIBK)	NS	0.001 U	0.001 U	0.00094 U	NA	0.86 U	0.86 U
Methylene chloride	0.05	0.00028 U	0.00028 U	0.00026 U	NA	0.30 U	0.30 U
Styrene	NS	0.00013 U	0.00014 U	0.00012 U	NA	0.58 U	0.58 U
1,1,2,2-Tetrachloroethane	NS	0.00037 U	0.00037 U	0.00034 U	NA	0.24 U	0.24 U
Tetrachloroethene	1.3	0.00018 U	0.00018 U	0.00091 J	NA	0.27 U	0.27 U
Toluene	0.7	0.00037 U	0.00037 U	0.00034 U	NA	0.30 U	0.30 U
1,1,1-Trichloroethane	0.68	0.00016 U	0.00016 U	0.00015 U	NA	0.26 U	0.26 U
1,1,2-Trichloroethane	NS	0.00023 U	0.00023 U	0.00021 U	NA	0.23 U	0.23 U
Trichloroethene	0.47	0.00066 U	0.00067 U	0.00061 U	NA	0.24 U	0.24 U
Vinyl chloride	0.02	0.00022 U	0.00023 U	0.00021 U	NA	0.44 U	0.44 U
Xylene (total)	0.26	0.00026 U	0.0006 U	0.00054 U	NA	0.25 U	0.25 U

Notes:

mg/kg - micrograms per kilogram
Samples analyzed using EPA Method 8270B

Bold - Concentration exceeds Part 375 -6..8 Soil Cleanup Objective Unrestricted Use

NS - No standard published for the analyte

NA - Sample not analyzed for particular parameter

Analytical Laboratory Qualifiers (Q1)

B - Analyte detected in associated method blank

U - Analyte not detected at or above reporting limit

J - Value is estimated (greater than detection limit but below reporting limit)

Table 2
Semi-Volatile Organic Compounds in Soil
1709 Surf Avenue
Brooklyn, NY

Client ID Lab Sample ID Date Sampled	Part 375-6.8 NYSDEC Soil Cleanup Objective Unrestricted Use mg/kg	MW-4 (0-2) JA58043-3 10/6/2010	MW-5 (0-2) JA58043-4 10/6/2010	MW-6 (2-4) JA58043-1 10/6/2010	MW-6 (3-5) JA58043-2 10/6/2010	FB10610 JA58043-5 10/6/2010	TB10610 JA58043-6 10/6/2010
		Result Q	Result Q	Result	Result Q	Result Q	Result
GC/MS Semi-volatiles (mg/kg)							
2-Chlorophenol	NS	0.035 U	0.034 U	NA	0.035 U	0.0011 U	NA
4-Chloro-3-methyl phenol	NS	0.035 U	0.033 U	NA	0.034 U	0.0011 U	NA
2,4-Dichlorophenol	NS	0.056 U	0.053 U	NA	0.055 U	0.0013 U	NA
2,4-Dimethylphenol	NS	0.059 U	0.056 U	NA	0.058 U	0.0017 U	NA
2,4-Dinitrophenol	NS	0.043 U	0.04 U	NA	0.042 U	0.00077 U	NA
4,6-Dinitro-o-cresol	NS	0.043 U	0.04 U	NA	0.042 U	0.00053 U	NA
2-Methylphenol	0.33	0.04 U	0.038 U	NA	0.039 U	0.0012 U	NA
3&4-Methylphenol	NS	0.044 U	0.042 U	NA	0.044 U	0.0011 U	NA
2-Nitrophenol	NS	0.037 U	0.035 U	NA	0.037 U	0.0013 U	NA
4-Nitrophenol	NS	0.059 U	0.056 U	NA	0.058 U	0.00086 U	NA
Pentachlorophenol	0.8	0.06 U	0.057 U	NA	0.059 U	0.00083 U	NA
Phenol	0.33	0.037 U	0.035 U	NA	0.036 U	0.0006 U	NA
2,4,5-Trichlorophenol	NS	0.041 U	0.038 U	NA	0.04 U	0.0014 U	NA
2,4,6-Trichlorophenol	NS	0.033 U	0.031 U	NA	0.032 U	0.0013 U	NA
Acenaphthene	20	0.577 U	1.23 U	NA	0.01 U	0.00038 U	NA
Acenaphthylene	100	0.294 U	0.805 U	NA	0.0153 J	0.00029 U	NA
Anthracene	100	1.38 U	4.52 U	NA	0.048 U	0.00017 U	NA
Benzo(a)anthracene	1	5.46	13.1	NA	0.223 U	0.00013 U	NA
Benzo(a)pyrene	1	5.35	12.3	NA	0.224 U	0.000099 U	NA
Benzo(b)fluoranthene	1	5.8	11.1	NA	0.27 U	0.00026 U	NA
Benzo(g,h,i)perylene	100	3.34 U	8.23 U	NA	0.126 U	0.00012 U	NA
Benzo(k)fluoranthene	0.8	1.95	6.73	NA	0.117 U	0.00039 U	NA
4-Bromophenyl phenyl ether	NS	0.013 U	0.012 U	NA	0.013 U	0.00036 U	NA
Butyl benzyl phthalate	NS	0.02 U	0.019 U	NA	0.02 U	0.00026 U	NA
2-Chloronaphthalene	NS	0.011 U	0.01 U	NA	0.011 U	0.00043 U	NA
4-Chloroaniline	NS	0.011 U	0.011 U	NA	0.011 U	0.00026 U	NA
Carbazole	NS	0.856 U	0.84 U	NA	0.0261 J	0.00017 U	NA
Chrysene	1	5.02	12	NA	0.236 U	0.00011 U	NA
bis(2-Chloroethoxy)methane	NS	0.014 U	0.013 U	NA	0.014 U	0.00026 U	NA
bis(2-Chloroethyl)ether	NS	0.011 U	0.01 U	NA	0.01 U	0.00032 U	NA
bis(2-Chloroisopropyl)ether	NS	0.01 U	0.0099 U	NA	0.01 U	0.00041 U	NA
4-Chlorophenyl phenyl ether	NS	0.011 U	0.01 U	NA	0.01 U	0.00037 U	NA
1,2-Dichlorobenzene	1.1	0.01 U	0.0096 U	NA	0.0099 U	0.00044 U	NA
1,3-Dichlorobenzene	2.4	0.0094 U	0.0089 U	NA	0.0092 U	0.00037 U	NA
1,4-Dichlorobenzene	1.8	0.0078 U	0.0074 U	NA	0.0077 U	0.0004 U	NA
2,4-Dinitrotoluene	NS	0.015 U	0.015 U	NA	0.015 U	0.00023 U	NA
2,6-Dinitrotoluene	NS	0.013 U	0.013 U	NA	0.013 U	0.00034 U	NA
3,3'-Dichlorobenzidine	NS	0.0089 U	0.0084 U	NA	0.0088 U	0.00031 U	NA
Dibenzo(a,h)anthracene	0.33	1.33	2.5	NA	0.0599 U	0.00016 U	NA
Dibenzofuran	7	0.298 U	0.457 U	NA	0.0155 J	0.00032 U	NA
Di-n-butyl phthalate	NS	0.0078 U	0.0074 U	NA	0.0076 U	0.0002 U	NA
Di-n-octyl phthalate	NS	0.017 U	0.016 U	NA	0.017 U	0.00043 U	NA
Diethyl phthalate	NS	0.012 U	0.011 U	NA	0.012 U	0.00017 U	NA
Dimethyl phthalate	NS	0.012 U	0.012 U	NA	0.012 U	0.00023 U	NA
bis(2-Ethylhexyl)phthalate	NS	0.031 U	0.029 U	NA	0.03 U	0.00034 U	NA
Fluoranthene	100	10.9 U	25.5 U	NA	0.435 U	0.00018 U	NA
Fluorene	30	0.538 U	1.08 U	NA	0.011 U	0.00028 U	NA
Hexachlorobenzene	0.33	0.011 U	0.011 U	NA	0.011 U	0.00023 U	NA
Hexachlorobutadiene	NS	0.0097 U	0.0092 U	NA	0.0096 U	0.00013 U	NA
Hexachlorocyclopentadiene	NS	0.036 U	0.034 U	NA	0.035 U	0.00025 U	NA
Hexachloroethane	NS	0.0097 U	0.0092 U	NA	0.0096 U	0.00022 U	NA
Indeno(1,2,3-cd)pyrene	0.5	3	6.67	NA	0.108 U	0.00014 U	NA
Isophorone	NS	0.0094 U	0.0089 U	NA	0.0093 U	0.00026 U	NA
2-Methylnaphthalene	NS	0.148 U	0.171 U	NA	0.019 U	0.00069 U	NA
2-Nitroaniline	NS	0.015 U	0.015 U	NA	0.015 U	0.00024 U	NA
3-Nitroaniline	NS	0.014 U	0.013 U	NA	0.014 U	0.0003 U	NA
4-Nitroaniline	NS	0.014 U	0.013 U	NA	0.013 U	0.00019 U	NA
Naphthalene	12	0.215 U	0.245 U	NA	0.0329 J	0.00044 U	NA
Nitrobenzene	NS	0.01 U	0.0096 U	NA	0.01 U	0.00026 U	NA
N-Nitroso-di-n-propylamine	NS	0.0085 U	0.0081 U	NA	0.0084 U	0.00046 U	NA
N-Nitrosodiphenylamine	NS	0.021 U	0.02 U	NA	0.021 U	0.00022 U	NA
Phenanthrene	100	6.7 U	18.9 U	NA	0.25 U	0.00023 U	NA
Pyrene	100	9.49 U	28.1 U	NA	0.449 U	0.00016 U	NA
1,2,4-Trichlorobenzene	NS	0.0093 U	0.0088 U	NA	0.0092 U	0.00045 U	NA

Notes:

mg/kg - micrograms per kilogram

Samples analyzed using EPA Method 8270B

NS - No standard published for the analyte

NA - Sample not analyzed for particular parameter

Bold - Concentration exceeds Part 375 -6.8 Soil Cleanup Objective Unrestricted Use

Analytical Laboratory Qualifiers (Q1)

B - Analyte detected in associated method blank

U - Analyte not detected at or above reporting limit

J - Value is estimated (greater than detection limit but below reporting limit)



Table 3 **Groundwater Sampling Log** **1709 Surf Avenue** **Brooklyn , New York**

FLS Project No.: 10073-004-2
Sampling Personnel: AB / BM

Well Identification	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Date	10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010
PID (ppm)	0	17.9	0	0	0	0
Total Depth of Well (ft)	15.7	15	15.3	13	12.50	12
Initial Depth to Water (ft)	8.79	7.7	8.65	4.54	4.46	5.95
Water Column (ft)	6.91	7.3	6.65	8.46	8.04	6.05
Well Inner Diameter (inches)	2	2	2	2	2	2
Well Inner Radius(in)	1	1	1	1	1	1
Static Water Volume (gal)*	1.01	1.19	1.08	1.38	1.31	0.99
Three Well Volumes to purge (gal)	3.04	3.57	3.25	4.14	3.93	2.96
Depth to Product (ft)	NA	NA	NA	NA	NA	NA
Product Thickness (ft)	NA	NA	NA	NA	NA	NA
PURGING INFORMATION						
Purge Method	peristaltic pump	peristaltic pump	peristaltic pump	peristaltic pump	peristaltic pump	peristaltic pump
Time Begin Purge	11:00	11:45	12:15	8:35	9:15	10:00
Time End Purge	11:20	12:05	12:35	8:55	9:35	10:20
Flow Rate (gpm)	0.175	0.175	0.175	0.2	0.2	0.175
Total Purge Vol. (gal)	3.5	3.5	3.5	4	4	3
Post-Purge DTW (ft) (80% Recovery**)						
Recharge Wait Time (min)						
PRE-PURGE						
Temperature (C)	19.66	20.73	20.43	20.29	20.06	20.56
Conductivity (mS/cm)	8.21	16	9.8	1.3	2.38	1.25
pH (s.u.)	6.99	6.99	6.82	6.73	6.75	6.63
Turbidity (NTUs)	73.4	22.7	145	14.1	48.9	33
Salinity (%)	0.4	0.9	0.5	0.1	0.1	0.10
D.O. (mg/L)	0.54	2.52	4.92	3.93	2.25	0.38
Color	clear	clear	turbid, dark brown	clear	clear	clear
Odor	none	none	none	none	none	none
POST-SAMPLE						
Sample Time	11:25	12:10	12:40	9:00	9:40	10:25
DTW (ft)						
Temperature (C)	19.52	20.54	20.63	21.22	20.96	20.55
Conductivity (ms/cm)	5.52	12	7.58	1.26	1.66	1.78
pH (s.u.)	6.89	6.82	6.83	6.8	6.84	6.74
Turbidity (NTUs)	1.7	4.8	9.9	3.1	0.7	2.5
Salinity (%)	0.3	0.7	0.4	0.1	0.1	0.1
D.O. (mg/L)	0	0	0	0.77	0	0
Color	clear	clear	clear	clear	clear	clear
Odor	none	none	slight petrol	none	none	none
COMMENTS						

Notes:

* Static Water Volume = $r^2 \cdot WC \cdot (0.163)$

** 80% Recovery is calculated by subtracting 80% of water column height from the total depth [TD-(.80xWC)].

r = Well radius (in)

D = Well Diameter (ft)

WC = Water Column (ft)

PID = Photoionization Detector

PPM = Parts per Million

GPM = Gallons per Minute

DTW = Depth to Water

ft = Feet

gal = Gallons

min = Minutes

C = degrees Celcius

mS/cm = MilliSiemens per Centimeter

s.u. = Standard Units

NTUs = Nephelometric Turbidity Units

mg/L = Milligrams per Liter

Table 4
Volatile Organic Compounds in Groundwater
1709 Surf Avenue
Brooklyn, NY

Client ID	NYSDEC	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	FB102010	TRIP BLANK
Lab Sample Number	Technical &	JA59346-4	JA59346-5	JA59346-6	JA59346-1	JA59346-2	JA59346-3	JA59346-7	JA59346-8
Sampling Date	Operational	10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010
	Guidance Series 1.1.1								
		Result	Q	Result	Q	Result	Q	Result	Q
GC/MS Volatiles (ug/L)									
Acetone	50	2.9	U	2.9	U	2.9	U	2.9	U
Benzene	1	0.23	U	0.23	U	0.23	U	0.23	U
Bromodichloromethane	50	0.22	U	0.22	U	0.22	U	0.22	U
Bromoform	50	0.23	U	0.23	U	0.23	U	0.23	U
Bromomethane	5	0.30	U	0.30	U	0.30	U	0.30	U
2-Butanone (MEK)	50	1.6	U	1.6	U	1.6	U	1.6	U
Carbon disulfide	60	0.74	U	0.74	U	0.74	U	0.74	U
Carbon tetrachloride	5	0.26	U	0.26	U	0.26	U	0.26	U
Chlorobenzene	5	0.39	U	0.39	U	0.39	U	0.39	U
Chloroethane	5	0.37	U	0.37	U	0.37	U	0.37	U
Chloroform	7	0.23	U	0.23	U	0.23	U	0.23	U
Chloromethane	NS	0.29	U	0.29	U	0.29	U	0.29	U
Dibromochloromethane	50	0.22	U	0.22	U	0.22	U	0.22	U
1,1-Dichloroethane	5	0.29	U	0.29	U	0.29	U	0.29	U
1,2-Dichloroethane	0.6	0.33	U	0.33	U	0.33	U	0.33	U
1,1-Dichloroethene	5	0.40	U	0.40	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	5	0.22	U	0.22	U	1.0		2.6	
trans-1,2-Dichloroethene	5	0.25	U	0.25	U	0.25	U	0.25	U
1,2-Dichloroethene (total)	NS	0.22	U	0.22	U	1.0		2.6	
1,2-Dichloropropane	1	0.27	U	0.27	U	0.27	U	0.27	U
cis-1,3-Dichloropropene	0.4	0.25	U	0.25	U	0.25	U	0.25	U
trans-1,3-Dichloropropene	0.4	0.21	U	0.21	U	0.21	U	0.21	U
Ethylbenzene	5	0.27	U	0.27	U	0.27	U	0.27	U
2-Hexanone	50	1.4	U	1.4	U	1.4	U	1.4	U
Methyl Tert Butyl Ether	10	0.23	U	0.23	U	0.23	U	0.31	J
4-Methyl-2-pentanone(MIBK)	NS	0.86	U	0.86	U	0.86	U	0.86	U
Methylene chloride	5	0.30	U	0.30	U	0.30	U	0.30	U
Styrene	5	0.58	U	0.58	U	0.58	U	0.58	U
1,1,2,2-Tetrachloroethane	5	0.24	U	0.24	U	0.24	U	0.24	U
Tetrachloroethene	5	0.27	U	0.27	U	0.27	U	85.6	J
Toluene	5	0.30	U	0.30	U	0.30	U	0.30	U
1,1,1-Trichloroethane	5	0.26	U	0.26	U	0.26	U	0.26	U
1,1,2-Trichloroethane	1	0.23	U	0.23	U	0.23	U	0.23	U
Trichloroethene	5	0.24	U	0.24	U	0.24	U	4.4	J
Vinyl chloride	2	0.44	U	0.44	U	0.44	U	0.44	U
Xylene (total)	5	0.25	U	0.25	U	0.25	U	0.25	U

Notes

VOCs = Volatile Organic Compounds

Samples analyzed for VOCs using EPA Method 8260

NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. Class GA Groundwater Standards (Class GA Standards)

Bold/highlighted values exceeded the TOGS Class GA Standards

ND - Not Detected

NS - No Standard

Qualifiers

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value

U - Analyte not detected at or above reporting limit

Table 5
Semi-Volatile Organic Compounds in Groundwater
1709 Surf Avenue
Brooklyn, NY

Client ID Lab Sample Number Sampling Date	NYSDEC Technical & Operational Guidance Series 1.1.1	MW-1 JA59346-4 10/20/2010	MW-2 JA59346-5 10/20/2010	MW-3 JA59346-6 10/20/2010	MW-4 JA59346-1 10/20/2010	MW-5 JA59346-2 10/20/2010	MW-6 JA59346-3 10/20/2010	FB102010 JA59346-7 10/20/2010	TRIP BLANK JA59346-8 10/20/2010
		Result	Q	Result	Q	Result	Q	Result	Q
GC/MS Semi-volatiles (ug/L)									
2-Chlorophenol	NS	1.1	U	1.1	U	1.1	U	1.1	U
4-Chloro-3-methyl phenol	NS	1.1	U	1.1	U	1.1	U	1.1	U
2,4-Dichlorophenol	5	1.2	U	1.2	U	1.3	U	1.2	U
2,4-Dimethylphenol	50	1.7	U	1.7	U	1.7	U	1.7	U
2,4-Dinitrophenol	10	0.74	U	0.74	U	0.77	U	0.74	U
4,6-Dinitro-o-cresol	NS	0.51	U	0.51	U	0.53	U	0.51	U
2-Methylphenol	1	1.1	U	1.1	U	1.2	U	1.1	U
3&4-Methylphenol	1	1.0	U	1.0	U	1.1	U	1.0	U
2-Nitrophenol	1	1.2	U	1.2	U	1.3	U	1.2	U
4-Nitrophenol	1	0.83	U	0.83	U	0.86	U	0.83	U
Pentachlorophenol	1	0.80	U	0.80	U	0.83	U	0.80	U
Phenol	1	0.58	U	0.58	U	0.60	U	0.58	U
2,4,5-Trichlorophenol	1	1.3	U	1.3	U	1.4	U	1.3	U
2,4,6-Trichlorophenol	1	1.2	U	1.2	U	1.3	U	1.2	U
Acenaphthene	20	0.96	J	0.37	U	0.38	U	0.37	U
Acenaphthylene	NS	1.1	U	0.27	U	0.29	U	0.27	U
Anthracene	50	0.16	U	0.16	U	0.17	U	0.16	U
Benzo(a)anthracene	0.002	0.60	J	0.12	U	0.13	U	0.12	U
Benzo(a)pyrene	0.002	0.095	U	0.095	U	0.099	U	0.095	U
Benzo(b)fluoranthene	0.002	0.25	U	0.25	U	0.26	U	0.25	U
Benzo(g,h,i)perylene	NS	0.12	U	0.12	U	0.12	U	0.12	U
Benzo(k)fluoranthene	0.002	0.38	U	0.38	U	0.39	U	0.38	U
4-Bromophenyl phenyl ether	NS	0.35	U	0.35	U	0.36	U	0.35	U
Butyl benzyl phthalate	50	0.25	U	0.25	U	0.26	U	0.25	U
2-Chloronaphthalene	10	0.42	U	0.42	U	0.43	U	0.42	U
4-Chloroaniline	5	0.25	U	0.25	U	0.26	U	0.25	U
Carbazole	NS	0.17	U	0.17	U	0.17	U	0.17	U
Chrysene	0.002	0.45	J	0.11	U	0.11	U	0.11	U
bis(2-Chloroethoxy)methane	5	0.25	U	0.25	U	0.26	U	0.25	U
bis(2-Chloroethyl)ether	1	0.31	U	0.31	U	0.32	U	0.31	U
bis(2-Chloroisopropyl)ether	NS	0.39	U	0.39	U	0.41	U	0.39	U
4-Chlorophenyl phenyl ether	NS	0.35	U	0.35	U	0.37	U	0.35	U
1,2-Dichlorobenzene	3	0.42	U	0.42	U	0.44	U	0.42	U
1,3-Dichlorobenzene	3	0.36	U	0.36	U	0.37	U	0.36	U
1,4-Dichlorobenzene	3	0.39	U	0.39	U	0.40	U	0.39	U
2,4-Dinitrotoluene	5	0.22	U	0.22	U	0.23	U	0.22	U
2,6-Dinitrotoluene	5	0.33	U	0.33	U	0.34	U	0.33	U
3,3'-Dichlorobenzidine	5	0.30	U	0.30	U	0.31	U	0.30	U
Dibenzo(a,h)anthracene	NS	0.15	U	0.15	U	0.16	U	0.15	U
Dibenzofuran	NS	0.30	U	0.30	U	0.32	U	0.30	U
Di-n-butyl phthalate	50	1.2	J	0.19	U	0.20	U	0.19	U
Di-n-octyl phthalate	50	0.40	U	0.40	U	0.41	U	0.40	U
Diethyl phthalate	50	0.17	U	0.17	U	0.17	U	0.17	U
Dimethyl phthalate	50	0.23	U	0.23	U	0.23	U	0.23	U
bis(2-Ethylhexyl)phthalate	5	0.33	U	0.33	U	4.8	U	0.33	U
Fluoranthene	50	0.46	J	0.17	U	0.18	U	0.17	U
Fluorene	50	0.27	U	0.27	U	0.28	U	0.27	U
Hexachlorobenzene	0.04	0.27	U	0.27	U	0.28	U	0.27	U
Hexachlorobutadiene	0.5	0.13	U	0.13	U	0.13	U	0.13	U
Hexachlorocyclopentadiene	5	0.24	U	0.24	U	0.25	U	0.24	U
Hexachloroethane	5	0.21	U	0.21	U	0.22	U	0.21	U
Indeno(1,2,3-cd)pyrene	0.002	0.13	U	0.13	U	0.14	U	0.13	U
Isophorone	50	0.25	U	0.25	U	0.26	U	0.25	U
2-Methylnaphthalene	NS	0.66	U	0.66	U	0.69	U	0.66	U
2-Nitroaniline	5	0.24	U	0.24	U	0.24	U	0.24	U
3-Nitroaniline	5	0.29	U	0.29	U	0.30	U	0.29	U
4-Nitroaniline	5	0.18	U	0.18	U	0.19	U	0.18	U
Naphthalene	10	0.43	U	0.43	U	0.44	U	1.5	U
Nitrobenzene	0.4	0.25	U	0.25	U	0.26	U	0.25	U
N-Nitroso-di-n-propylamine	NS	0.44	U	0.44	U	0.46	U	0.44	U
N-Nitrosodiphenylamine	50	0.22	U	0.22	U	0.22	U	0.22	U
Phenanthrene	50	0.48	J	0.21	U	0.22	U	0.21	U
Pyrene	50	0.86	J	0.16	U	0.16	U	0.16	U
1,2,4-Trichlorobenzene	5	0.44	U	0.44	U	0.45	U	0.44	U

Notes

SVOCs = Semi-Volatile Organic Compounds

Samples analyzed for SVOCs using EPA Method 8270

NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1: Class GA Groundwater Standards (Class GA Standards)

Bold/highlighted values exceeded the TOGS Class GA Standards

ND - Not Detected

NS - No Standard

Qualifiers

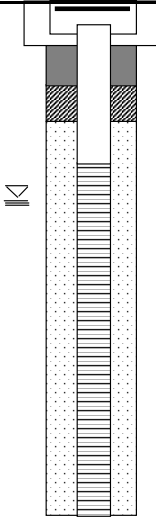
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value

U - Analyte not detected at or above reporting limit

APPENDIX A
SOIL BORING LOGS AND MONITORING
WELL CONSTRUCTION LOGS

MONITORING WELL: MW-4

PROJECT ID:	Well Installation and GW Monitoring	DATE WELL INSTALLED:	10/6/2010
LOCATION:	1709-29 Surf Avenue	FLS FIELD SUPERVISOR:	A. Brannon
FLS PROJECT NO.:	10073-016-2	TOTAL DEPTH:	13'
CLIENT:	Taconic Investment Partners	WELL DIAMETER:	2"
SITE LOCATION:	Brooklyn, NY	SLOT SIZE:	0.02-inch
DRILLER:	General Boring	SCREEN INTERVAL:	3-13 ft bgs
DRILLING METHOD:	Hollow Stem Auger (4 1/4")	WELL COMPLETION:	Flush mounted
SOIL SAMPLING METHOD:	2" Split Spoon	TOC Elevation:	-

DEPTH (FT) BELOW SURFACE	PID READING (PPM)	BLOWS PER 6" OF PENETRATION	RECOVERY (INCHES)	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION
0	1905			Brown coarse sand intermixed with gray fine sand and coarse gravel and boulders	
2	590			Fine brown sand with some coarse sand; with bricks, pebbles and some gravel	
4	351		6	Gray fine sand - wet	
6				End of Sampling	
8					
10					
12				Bottom of Well	
14					
16					
18					
20					
22					

Legend:

 2" diameter SCH 20 PVC Riser	 #2 Morie Silica Sand	 Neat Portland Cement
 2" diameter 0.020-inch slotted SCH 20 PVC well screen	 3/8-inch Bentonite Chips	 Groundwater Table

Notes:

TOC = top-of-casing
ft bgs = feet below ground surface
SCH = Schedule
PVC = polyvinyl chloride

MW-4 developed on 10/14/10 - Approx 10 gallons purged

Laboratory Analytical Samples:

Soil samples collected from 0 - 2 ft bgs: EPA Method 8260 for TCL VOCs and by EPA Method 8270 for TCL SVOCs
Groundwater samples: EPA Method 8260 for TCL VOCs and by EPA Method 8270 for TCL SVOCs

MONITORING WELL LOG

DATE: 10/20/2010
SCALE: NTS

DRAWN BY: BM
REV. BY: AB

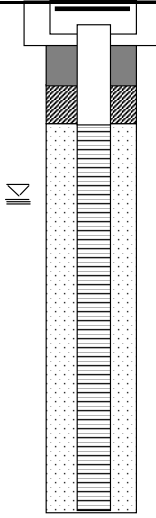
*Fleming
Lee Shue*

Fleming-Lee Shue, Inc.

158 W. 29th Street, 9th Floor
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-5

PROJECT ID:	Well Installation and GW Monitoring	DATE WELL INSTALLED:	10/6/2010
LOCATION:	1709-29 Surf Avenue	FLS FIELD SUPERVISOR:	A. Brannon
FLS PROJECT NO.:	10073-016-2	TOTAL DEPTH:	13'
CLIENT:	Taconic Investment Partners	WELL DIAMETER:	2"
SITE LOCATION:	Brooklyn, NY	SLOT SIZE:	0.02-inch
DRILLER:	General Boring	SCREEN INTERVAL:	3-13 ft bgs
DRILLING METHOD:	Hollow Stem Auger (4 1/4")	WELL COMPLETION:	Flush Mounted
SOIL SAMPLING METHOD:	2" Split Spoon	TOC Elevation:	-

DEPTH (FT) BELOW SURFACE	PID READING (PPM)	BLOWS PER 6" OF PENETRATION	RECOVERY (INCHES)	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION
0	2409			Coarse - medium- fine SAND and coarse medium -fine gravel intermixed with some fill and boulders	
2	83.1			native gray fine SAND mixed with coarse to medium Brown, black sand and coarse to medium gravel trace pebbles	
4	63.2			native gray fine SAND	
6				End of Sampling	
8					
10					
12				Bottom of Well	
14					
16					
18					
20					
22					

Legend:

 2" diameter SCH 20 PVC Riser	 #2 Morie Silica Sand	 Neat Portland Cement
 2" diameter 0.020-inch slotted SCH 20 PVC well screen	 3/8-inch Bentonite Chips	 Groundwater Table

Notes:

TOC = top-of-casing
ft bgs = feet below ground surface
SCH = Schedule
PVC = polyvinyl chloride

MW-5 developed on 10/14/10 - Approx 10 gallons purged

Laboratory Analytical Samples:

Soil samples collected from 0 - 2 ft bgs: EPA Method 8260 for TCL VOCs and by EPA Method 8270 for TCL SVOCs
Groundwater samples: EPA Method 8260 for TCL VOCs and by EPA Method 8270 for TCL SVOCs

MONITORING WELL LOG

DATE: 10/20/2010
SCALE: NTS

DRAWN BY: BM
REV. BY: AB

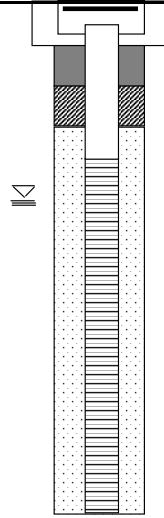
*Fleming
Lee Shue*

Fleming-Lee Shue, Inc.

158 W. 29th Street, 9th Floor
New York, New York 10001
(212) 675-3225

MONITORING WELL: MW-6

PROJECT ID:	Well Installation and GW Monitoring	DATE WELL INSTALLED:	10/6/2010
LOCATION:	1709-29 Surf Avenue	FLS FIELD SUPERVISOR:	A. Brannon
FLS PROJECT NO.:	10073-016-2	TOTAL DEPTH:	13'
CLIENT:	Taconic Investment Partners	WELL DIAMETER:	2"
SITE LOCATION:	Brooklyn, NY	SLOT SIZE:	0.02-inch
DRILLER:	General Boring	SCREEN INTERVAL:	3-13 ft bgs
DRILLING METHOD:	Hollow Stem Auger (4 1/4")	WELL COMPLETION:	Flush mounted
SOIL SAMPLING METHOD:	2" Split Spoon	TOC Elevation:	-

DEPTH (FT) BELOW SURFACE	PID READING (PPM)	BLOWS PER 6" OF PENETRATION	RECOVERY (INCHES)	LITHOLOGIC DESCRIPTION	WELL CONSTRUCTION
0	0		3	Asphalt	
2	9999+		30	FILL - coarse to medium sand and gravel	
4				Fine sand	
	3010		10	Gray fine sand	
6				End of Sampling	
8					
10					
12				Bottom of Well	
14					
16					
18					
20					
22					

Legend:

 2" diameter SCH 20 PVC Riser	 #2 Mrie Silica Sand	 Neat Portland Cement
 2" diameter 0.020-inch slotted SCH 20 PVC well screen	 3/8-inch Bentonite Chips	 Groundwater Table

Notes:

TOC = top-of-casing
ft bgs = feet below ground surface
SCH = Schedule
PVC = polyvinyl chloride

MW-6 developed on 10/14/10 - Approx 10 gallons purged

Laboratory Analytical Samples:

Soil samples collected from 2 - 4 ft bgs: EPA Method 8260 for TCL VOCs and from 3-5 ftbgs by EPA Method 8270 for TCL SVOCs
Groundwater samples: EPA Method 8260 for TCL VOCs and by EPA Method 8270 for TCL SVOCs

MONITORING WELL LOG

DATE: 10/20/2010
SCALE: NTS

DRAWN BY: BM
REV. BY: AB

*Fleming
Lee Shue*

Fleming-Lee Shue, Inc.

158 W. 29th Street, 9th Floor
New York, New York 10001
(212) 675-3225

APPENDIX B
Laboratory Analytical Reports
(on CD)



10/22/10

Technical Report for

Fleming-Lee Shue, Inc.

Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Accutest Job Number: JA58043

Sampling Date: 10/06/10

Report to:

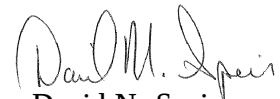
Fleming-Lee Shue, Inc.
158 West 29th Street
9th Floor
New York, NY 10001

ATTN: Patrick Narea

Total number of pages in report: **594**



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


David N. Speis
VP, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA58043

Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA58043-1	10/06/10	10:00 AB	10/06/10	SO	Soil	MW-6 (2-4)
JA58043-2	10/06/10	10:08 AB	10/06/10	SO	Soil	MW-6 (3-5)
JA58043-3	10/06/10	13:30 AB	10/06/10	SO	Soil	MW-4 (0-2)
JA58043-4	10/06/10	15:00 AB	10/06/10	SO	Soil	MW-5 (0-2)
JA58043-5	10/06/10	14:30 AB	10/06/10	AQ	Field Blank Soil	FB10610
JA58043-6	10/06/10	15:00 AB	10/06/10	AQ	Trip Blank Soil	TB10610

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA58043

Site: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Report Date 10/22/2010 11:10:41 A

On 10/06/2010, 4 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.2 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA58043 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V3D2233

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA57971-5MS, JA57971-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Tetrachloroethene are outside control limits.
- Matrix Spike Recovery(s) for 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethene (total), Carbon disulfide, Carbon tetrachloride, Chloroform, Methylene chloride, trans-1,2-Dichloroethene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethene (total), Carbon disulfide, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, trans-1,2-Dichloroethene are outside control limits. Probable cause due to matrix interference.
- V3D2233-BS for Tetrachloroethene: High percent recoveries and no associated positive found in the QC batch.

Matrix: SO

Batch ID: VY4442

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA58043-1MS, JA58043-1MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP46138

- All samples were extracted within the recommended method holding time.
- Sample(s) JA58499-1MS, JA58499-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) OP46138-MS, OP46138-MSD have surrogates outside control limits. surrogate double spiked.
- OP46138-MB1 for Phenol-d5: surrogate double spiked.
- OP46138-MB1 for 2,4,6-Tribromophenol: surrogate double spiked.
- OP46138-MB1 for 2-Fluorobiphenyl: surrogate double spiked.
- OP46138-MB1 for Nitrobenzene-d5: surrogate double spiked.
- OP46138-MB1 for Terphenyl-d14: surrogate double spiked.
- OP46138-BS1 for 2,4,6-Tribromophenol: surrogate double spiked.
- OP46138-BS1 for 2-Fluorobiphenyl: surrogate double spiked.
- OP46138-BS1 for 2-Fluorophenol: surrogate double spiked.
- OP46138-MS for Nitrobenzene-d5: surrogate double spiked.
- OP46138-MSD for Terphenyl-d14: surrogate double spiked.
- OP46138-MSD for Phenol-d5: surrogate double spiked.
- OP46138-MSD for Nitrobenzene-d5: surrogate double spiked.
- OP46138-MSD for 2-Fluorophenol: surrogate double spiked.
- OP46138-MSD for 2-Fluorobiphenyl: surrogate double spiked.
- OP46138-MSD for 2,4,6-Tribromophenol: surrogate double spiked.
- OP46138-MS for Terphenyl-d14: surrogate double spiked.
- OP46138-MB1 for 2-Fluorophenol: surrogate double spiked.
- OP46138-MS for Phenol-d5: surrogate double spiked.
- OP46138-BS1 for Nitrobenzene-d5: surrogate double spiked.
- OP46138-MS for 2-Fluorophenol: surrogate double spiked.
- JA58043-5 for 2-Fluorophenol: surrogate double spiked.
- OP46138-BS1 for Phenol-d5: surrogate double spiked.
- OP46138-BS1 for Terphenyl-d14: surrogate double spiked.
- JA58043-5 for 2,4,6-Tribromophenol: surrogate double spiked.
- OP46138-MS for 2-Fluorobiphenyl: surrogate double spiked.
- JA58043-5 for 2-Fluorobiphenyl: surrogate double spiked.
- JA58043-5 for Nitrobenzene-d5: surrogate double spiked.
- JA58043-5 for Phenol-d5: surrogate double spiked.
- JA58043-5 for Terphenyl-d14: surrogate double spiked.
- OP46138-MS for 2,4,6-Tribromophenol: surrogate double spiked.

Matrix: SO

Batch ID: OP46062

- All samples were extracted within the recommended method holding time.
- Sample(s) JA58117-4AMS, JA58117-4AMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) OP46138-MS, OP46138-MSD have surrogates outside control limits. surrogate double spiked.
- OP46062-MB1 for Nitrobenzene-d5: double spiked recalculated
- OP46062-MB1 for Terphenyl-d14: double spiked recalculated

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP46062

- OP46062-MB1 for Phenol-d5: double spiked recalculated
- OP46062-MB1 for 2-Fluorobiphenyl: double spiked recalculated
- OP46062-MB1 for 2,4,6-Tribromophenol: double spiked recalculated
- OP46062-MB1 for 2-Fluorophenol: double spiked-recalculated
- JA58043-3 for Terphenyl-d14: double surr spiked recalculated
- JA58043-3 for 2-Fluorobiphenyl: double surr spiked recalculated
- JA58043-3 for Terphenyl-d14: double spiked-recalculated
- JA58043-3 for Phenol-d5: double spiked-recalculated
- JA58043-3 for 2-Fluorobiphenyl: double spiked-recalculated
- JA58043-3 for 2,4,6-Tribromophenol: double spiked-recalculated
- JA58043-3 for 2-Fluorophenol: double spiked- recalculated
- JA58043-3 for Nitrobenzene-d5: double spiked -recalculated
- JA58043-3 for 2-Fluorophenol: double surr spiked-recalculated
- JA58043-3 for Nitrobenzene-d5: double surr spiked recalculated
- JA58043-3 for Phenol-d5: double surr spiked recalculated
- OP46062-BS1 for 2,4,6-Tribromophenol: double spiked recalculated
- JA58043-2 for Terphenyl-d14: double spiked- recalculated
- JA58043-2 for Phenol-d5: double spiked- recalculated
- JA58043-2 for Nitrobenzene-d5: double spiked- recalculated
- JA58043-2 for 2-Fluorophenol: double spiked- recalculated
- JA58043-2 for 2-Fluorobiphenyl: double spiked- recalculated
- JA58043-2 for 2,4,6-Tribromophenol: double spiked- recalculated
- OP46062-BS1 for Terphenyl-d14: double spiked recalculated
- OP46062-BS1 for Phenol-d5: double spiked recalculated
- OP46062-BS1 for Nitrobenzene-d5: double spiked recalculated
- OP46062-BS1 for 2-Fluorophenol: double spiked recalculated
- OP46062-BS1 for 2-Fluorobiphenyl: double spiked recalculated
- JA58043-3 for 2,4,6-Tribromophenol: double surr spiked-recalculated

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN43319

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN43372

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN43436

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-6 (2-4)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-1	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	90.2
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y104441.D	1	10/07/10	AVM	n/a	n/a	VY4442
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.39	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.30	ug/kg	
75-25-2	Bromoform	ND	5.8	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	5.8	0.35	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.2	ug/kg	
67-66-3	Chloroform	ND	5.8	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.19	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.76	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.52	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.8	0.28	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
591-78-6	2-Hexanone	ND	5.8	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	0.94	ug/kg	
75-09-2	Methylene chloride	ND	5.8	0.26	ug/kg	
100-42-5	Styrene	ND	5.8	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.34	ug/kg	
127-18-4	Tetrachloroethene	0.91	5.8	0.17	ug/kg	J
108-88-3	Toluene	ND	1.2	0.34	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.15	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6 (2-4)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-1	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	90.2
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.61	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.21	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		67-127%
17060-07-0	1,2-Dichloroethane-D4	98%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	MW-6 (3-5)		
Lab Sample ID:	JA58043-2	Date Sampled:	10/06/10
Matrix:	SO - Soil	Date Received:	10/06/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.0
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E30127.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	10	ug/kg	
208-96-8	Acenaphthylene	15.3	34	11	ug/kg	J
120-12-7	Anthracene	48.0	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	223	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	224	34	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	270	34	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	126	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	117	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	26.1	69	16	ug/kg	J
218-01-9	Chrysene	236	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6 (3-5)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-2	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	82.0
Method:	SW846 8270C SW846 3550B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	59.9	34	12	ug/kg	
132-64-9	Dibenzofuran	15.5	69	10	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	69	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	435	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	108	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	32.9	34	9.4	ug/kg	J
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	250	34	16	ug/kg	
129-00-0	Pyrene	449	34	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78% ^a		30-109%
4165-62-2	Phenol-d5	75% ^a		28-108%
118-79-6	2,4,6-Tribromophenol	97% ^a		28-125%
4165-60-0	Nitrobenzene-d5	71% ^a		28-113%
321-60-8	2-Fluorobiphenyl	74% ^a		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6 (3-5)		
Lab Sample ID:	JA58043-2	Date Sampled:	10/06/10
Matrix:	SO - Soil	Date Received:	10/06/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.0
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	86% ^a		31-116%

(a) double spiked- recalculated

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

Accutest Laboratories

Report of Analysis

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Client Sample ID:	MW-4 (0-2)		
Lab Sample ID:	JA58043-3	Date Sampled:	10/06/10
Matrix:	SO - Soil	Date Received:	10/06/10
Method:	SW846 8260B	Percent Solids:	81.4
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y104442.D	1	10/08/10	AVM	n/a	n/a	VY4442
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.32	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.42	ug/kg	
75-00-3	Chloroethane	ND	6.3	1.3	ug/kg	
67-66-3	Chloroform	ND	6.3	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.21	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.83	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.56	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.3	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.47	ug/kg	
591-78-6	2-Hexanone	ND	6.3	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.3	0.28	ug/kg	
100-42-5	Styrene	ND	6.3	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	6.3	0.18	ug/kg	
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4 (0-2)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-3	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.66	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.22	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		67-127%
17060-07-0	1,2-Dichloroethane-D4	100%		65-132%
2037-26-5	Toluene-D8	108%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	MW-4 (0-2)		
Lab Sample ID:	JA58043-3	Date Sampled:	10/06/10
Matrix:	SO - Soil	Date Received:	10/06/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.4
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E30159.D	1	10/13/10	OYA	10/09/10	OP46062	E3E1334
Run #2	3E30156.D	5	10/13/10	OYA	10/09/10	OP46062	E3E1334

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	577	35	10	ug/kg	
208-96-8	Acenaphthylene	294	35	11	ug/kg	
120-12-7	Anthracene	1380	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	5460 ^a	180	57	ug/kg	
50-32-8	Benzo(a)pyrene	5350 ^a	180	53	ug/kg	
205-99-2	Benzo(b)fluoranthene	5800 ^a	180	58	ug/kg	
191-24-2	Benzo(g,h,i)perylene	3340	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	1950	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	856	70	16	ug/kg	
218-01-9	Chrysene	5020 ^a	180	59	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4 (0-2)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-3	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1330	35	12	ug/kg	
132-64-9	Dibenzofuran	298	70	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	10900 ^a	180	77	ug/kg	
86-73-7	Fluorene	538	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3000	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	148	70	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	215	35	9.6	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	6700 ^a	180	80	ug/kg	
129-00-0	Pyrene	9490 ^a	180	67	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74% ^b	78% ^c	30-109%
4165-62-2	Phenol-d5	71% ^d	76% ^e	28-108%
118-79-6	2,4,6-Tribromophenol	96% ^d	90% ^c	28-125%
4165-60-0	Nitrobenzene-d5	69% ^f	69% ^e	28-113%
321-60-8	2-Fluorobiphenyl	73% ^d	72% ^e	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4 (0-2)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-3	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	86% ^d	87% ^e	31-116%

- (a) Result is from Run# 2
(b) double spiked- recalculated
(c) double surr spiked-recalculated
(d) double spiked-recalculated
(e) double surr spiked recalculated
(f) double spiked -recalculated

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	MW-5 (0-2)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-4	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y104443.D	1	10/08/10	AVM	n/a	n/a	VY4442
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.33	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.39	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.3	1.3	ug/kg	
67-66-3	Chloroform	ND	6.3	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.21	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.84	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.57	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.3	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.47	ug/kg	
591-78-6	2-Hexanone	ND	6.3	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.3	0.28	ug/kg	
100-42-5	Styrene	ND	6.3	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	6.3	0.18	ug/kg	
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5 (0-2)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-4	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.67	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.23	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	MW-5 (0-2)		
Lab Sample ID:	JA58043-4	Date Sampled:	10/06/10
Matrix:	SO - Soil	Date Received:	10/06/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.6
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E30158.D	1	10/13/10	OYA	10/09/10	OP46062	E3E1334
Run #2	3E30157.D	10	10/13/10	OYA	10/09/10	OP46062	E3E1334

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	53	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	660	40	ug/kg	
95-48-7	2-Methylphenol	ND	66	38	ug/kg	
	3&4-Methylphenol	ND	66	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	66	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	1230	33	9.6	ug/kg	
208-96-8	Acenaphthylene	805	33	11	ug/kg	
120-12-7	Anthracene	4520 ^a	330	120	ug/kg	
56-55-3	Benzo(a)anthracene	13100 ^a	330	110	ug/kg	
50-32-8	Benzo(a)pyrene	12300 ^a	330	100	ug/kg	
205-99-2	Benzo(b)fluoranthene	11100 ^a	330	110	ug/kg	
191-24-2	Benzo(g,h,i)perylene	8230 ^a	330	120	ug/kg	
207-08-9	Benzo(k)fluoranthene	6730 ^a	330	120	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	66	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	66	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	840	66	15	ug/kg	
218-01-9	Chrysene	12000 ^a	330	110	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5 (0-2)	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-4	Date Received:	10/06/10
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8270C SW846 3550B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	66	9.6	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	66	8.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	66	7.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	2500	33	11	ug/kg	
132-64-9	Dibenzofuran	457	66	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	16	ug/kg	
84-66-2	Diethyl phthalate	ND	66	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	29	ug/kg	
206-44-0	Fluoranthene	25500 ^a	330	150	ug/kg	
86-73-7	Fluorene	1080	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.2	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.2	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	6670 ^a	330	120	ug/kg	
78-59-1	Isophorone	ND	66	8.9	ug/kg	
91-57-6	2-Methylnaphthalene	171	66	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	245	33	9.1	ug/kg	
98-95-3	Nitrobenzene	ND	66	9.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	18900 ^a	330	150	ug/kg	
129-00-0	Pyrene	28100 ^a	330	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	66	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%	74%	30-109%
4165-62-2	Phenol-d5	63%	71%	28-108%
118-79-6	2,4,6-Tribromophenol	85%	83%	28-125%
4165-60-0	Nitrobenzene-d5	65%	70%	28-113%
321-60-8	2-Fluorobiphenyl	69%	74%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5 (0-2)		
Lab Sample ID:	JA58043-4	Date Sampled:	10/06/10
Matrix:	SO - Soil	Date Received:	10/06/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.6
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%	88%	31-116%

(a) Result is from Run# 2

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

Accutest Laboratories

Report of Analysis

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Client Sample ID:	FB10610	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-5	Date Received:	10/06/10
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D51520.D	1	10/10/10	TYG	n/a	n/a	V3D2233
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB10610	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-5	Date Received:	10/06/10
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		64-135%
2037-26-5	Toluene-D8	90%		76-117%
460-00-4	4-Bromofluorobenzene	99%		72-122%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	FB10610	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-5	Date Received:	10/06/10
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P52853.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	0.77	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.53	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.2	ug/l	
	3&4-Methylphenol	ND	2.1	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.86	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.83	ug/l	
108-95-2	Phenol	ND	2.1	0.60	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.38	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.17	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.13	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.099	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.26	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.43	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.26	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.32	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.37	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB10610	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-5	Date Received:	10/06/10
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.44	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.37	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.40	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.23	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.34	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.31	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.16	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.32	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.20	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.41	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.34	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.18	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.28	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.25	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.14	ug/l	
78-59-1	Isophorone	ND	2.1	0.26	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.69	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.30	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.19	ug/l	
91-20-3	Naphthalene	ND	1.0	0.44	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.26	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.22	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.45	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43% ^a		13-68%
4165-62-2	Phenol-d5	36% ^a		10-49%
118-79-6	2,4,6-Tribromophenol	101% ^a		37-130%
4165-60-0	Nitrobenzene-d5	85% ^a		25-112%
321-60-8	2-Fluorobiphenyl	81% ^a		31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB10610		
Lab Sample ID:	JA58043-5	Date Sampled:	10/06/10
Matrix:	AQ - Field Blank Soil	Date Received:	10/06/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	80% ^a		14-122%

(a) surrogate double spiked.

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

Accutest Laboratories

Report of Analysis

Page 1 of 2

Client Sample ID:	TB10610	Date Sampled:	10/06/10
Lab Sample ID:	JA58043-6	Date Received:	10/06/10
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D51521.D	1	10/10/10	TYG	n/a	n/a	V3D2233
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB10610		
Lab Sample ID:	JA58043-6	Date Sampled:	10/06/10
Matrix:	AQ - Trip Blank Soil	Date Received:	10/06/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		64-135%
2037-26-5	Toluene-D8	91%		76-117%
460-00-4	4-Bromofluorobenzene	100%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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



50
F8
9TB

CHAIN OF CUSTODY

PAGE ____ OF ____

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED # 15019097		Bottle Order Control #														
Accutest Quote #		Accutest Job # JA58043														
Client / Reporting Information		Project Information														
Company Name: FLS		Project Name: 1709 Surf Ave														
Street Address: 158 W 29th St. Fl 9		Street: Surf Ave														
City: NY State: NY Zip: 10001		City: Brooklyn State: NY														
Project Contact: A. Brennan		Billing Information (if different from Report to)														
Phone #: 212.675.3225		Company Name:														
Fax #:		Street Address: CLIENT														
Sampler(s) Name(s): AB		City: State: Zip:														
Phone #:		Attention:														
Project Manager: Mohamed Ahmed																
Collection		Number of preserved Bottles														
Accutest Sample #	Field ID / Point of Collection	MECH/VDI Viol #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NH4Cl	HNO3	H2SO4	NO3-	NO2-	DI Water	MECH	ENCORE
1	MW-6 (2-4)		10/6/10	1000	AB	Soil	2					X				
2	MW-6 (3-5)			1000			1					X				
3	MW-4 (0-2)			1330			2					X				
4	MW-5 (0-2)			1500			2					X				
5	FB10610			1430		WATER	3	2				1				
6	TB10610	X		1500		WATER	2	2								
Turnaround Time (Business days)		Approved By (Accutest PM): / Date:		Data Deliverable Information		Comments / Special Instructions										
☐ Std. 15 Business Days ☒ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY				☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C"		☐ NYASP Category A ☒ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other										
Emergency & Rush T/A data available VIA Lablink				Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data		*TB filled 10/5/10 @ 1600 KW 10/6/10										
Sample Custody must be documented below each time samples change possession, including courier delivery.																
Relinquished By: 1	Date Time: 10-06/2010	Received By: 1	Relinquished By: 2	Date Time: 10-06	Received By: 2											
Relinquished By: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4											
Relinquished By: 5	Date Time:	Received By: 5	Custody Seal #	Intact	Preserved where applicable	On ice	Cooler Temp. 3.2°C									

JA58043: Chain of Custody

Page 1 of 2



Sample Log-In Summary

JA58043

COC

Lab Name: ACCUTEST Page 2 of 4

Received by (Print Name): Kristen Whit Log-in Date: 10/6/10

Received by (Signature): [Signature]

Case Number:	SDG Number:	SAS Number:	CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
			NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	
REMARKS:			N/A		JA58043-1	OK
Custody Seal(s)	Present/Absent*		N/A		2	
	Intact/Broken		N/A		3	
Custody Seal Numbers:	<u>NONE</u>		N/A		4	
Chain-of-Custody Records	Present/Absent*		N/A		5	FB
Contract Lab Sample Inform. Sheet (CLSIS)	Present/Absent*	N/A	N/A		6	TB
Airbill	Airbill/Sticker	N/A	N/A			
Airbill No.:	Present/Absent*	N/A	N/A			
Sample Tags	Present/Absent*	N/A	N/A			
Sample Tag Nos.	Listed/Not Listed on Chain-of-Custody	N/A	N/A			
Sample Condition	Intact/Broken*/Leaking		N/A			
Does Information on custody rec., CLSIS, & sample tags agree	Yes/No*		N/A			
Date received at Lab:	<u>10/6/10</u>		N/A			
Time Received:	<u>1630</u>		N/A			
Do aqueous VOC vials : headspace?	Yes/No*		N/A			
Are preserved voc samples fully im- ed in preservative?	Yes/No* <u>N/A</u>		N/A			
Sample Transfer						
ion:	<u>See Internal</u>					
#:	<u>Chain of Custody</u>					

JA58043: Chain of Custody

Page 2 of 2

tract BTR and attach record of resolution
ved By: _____

Logbook No.: N/A
Logbook Page No.: N/A

Form: SM10-02

Internal Sample Tracking Chronicle

Fleming-Lee Shue, Inc.

Job No: JA58043

Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58043-1 Collected: 06-OCT-10 10:00 By: AB Received: 06-OCT-10 By: MPC MW-6 (2-4)						
JA58043-1	SW846 8260B	07-OCT-10 23:48	AVM			V8260TCL
JA58043-1	SM18 2540G	15-OCT-10	KH			%SOL
JA58043-2 Collected: 06-OCT-10 10:08 By: AB Received: 06-OCT-10 By: MPC MW-6 (3-5)						
JA58043-2	SW846 8270C	12-OCT-10 21:12	OYA	09-OCT-10 GGP		AB8270TCL
JA58043-2	SM18 2540G	14-OCT-10	DK			%SOL
JA58043-3 Collected: 06-OCT-10 13:30 By: AB Received: 06-OCT-10 By: MPC MW-4 (0-2)						
JA58043-3	SW846 8260B	08-OCT-10 00:17	AVM			V8260TCL
JA58043-3	SM18 2540G	13-OCT-10	KH			%SOL
JA58043-3	SW846 8270C	13-OCT-10 17:28	OYA	09-OCT-10 GGP		AB8270TCL
JA58043-3	SW846 8270C	13-OCT-10 18:41	OYA	09-OCT-10 GGP		AB8270TCL
JA58043-4 Collected: 06-OCT-10 15:00 By: AB Received: 06-OCT-10 By: MPC MW-5 (0-2)						
JA58043-4	SW846 8260B	08-OCT-10 00:46	AVM			V8260TCL
JA58043-4	SM18 2540G	13-OCT-10	KH			%SOL
JA58043-4	SW846 8270C	13-OCT-10 17:53	OYA	09-OCT-10 GGP		AB8270TCL
JA58043-4	SW846 8270C	13-OCT-10 18:17	OYA	09-OCT-10 GGP		AB8270TCL
JA58043-5 Collected: 06-OCT-10 14:30 By: AB Received: 06-OCT-10 By: MPC FB10610						
JA58043-5	SW846 8260B	10-OCT-10 11:20	TYG			V8260TCL
JA58043-5	SW846 8270C	14-OCT-10 11:06	NAP	13-OCT-10 EA		AB8270TCL
JA58043-6 Collected: 06-OCT-10 15:00 By: AB Received: 06-OCT-10 By: MPC TB10610						
JA58043-6	SW846 8260B	10-OCT-10 11:46	TYG			V8260TCL

Accutest Internal Chain of Custody

Page 1 of 2

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY
Received: 10/06/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58043-1.1	Secured Storage	Alexander Vincent Mazella	10/07/10 10:18	Retrieve from Storage
JA58043-1.1	Alexander Vincent Mazella	Secured Storage	10/07/10 17:48	Return to Storage
JA58043-1.1	Secured Storage	Adam Scott	10/15/10 10:37	Retrieve from Storage
JA58043-1.1	Adam Scott	Kari Hullen	10/15/10 10:39	Custody Transfer
JA58043-1.1	Kari Hullen	Secured Storage	10/15/10 14:19	Return to Storage
JA58043-2.1	Secured Storage	George Paunovski	10/09/10 08:22	Retrieve from Storage
JA58043-2.1	George Paunovski	Alan Wan	10/09/10 08:43	Custody Transfer
JA58043-2.1	Alan Wan	Secured Storage	10/09/10 12:15	Return to Storage
JA58043-2.1	Secured Storage	Zethan Reyes	10/12/10 11:01	Retrieve from Storage
JA58043-2.1	Zethan Reyes	Kari Hullen	10/12/10 11:03	Custody Transfer
JA58043-2.1	Kari Hullen	Secured Storage	10/12/10 12:40	Return to Storage
JA58043-2.1	Secured Storage	John Thomas	10/14/10 12:10	Retrieve from Storage
JA58043-2.1	John Thomas	Daniel Klawunn	10/14/10 12:12	Custody Transfer
JA58043-2.1	Daniel Klawunn	Secured Storage	10/14/10 17:26	Return to Storage
JA58043-2.1.1	George Paunovski	Organics Prep	10/09/10 08:31	Extract from JA58043-2.1
JA58043-2.1.1	Organics Prep	George Paunovski	10/09/10 17:21	Extract from JA58043-2.1
JA58043-2.1.1	George Paunovski	Extract Storage	10/09/10 17:21	Return to Storage
JA58043-2.1.1	Extract Storage	Olga Azarihn	10/12/10 11:20	Retrieve from Storage
JA58043-2.1.1	Olga Azarihn	GCMS3E	10/12/10 11:20	Load on Instrument
JA58043-2.1.1	GCMS3E	Olga Azarihn	10/13/10 09:12	Unload from Instrument
JA58043-2.1.1	Olga Azarihn	Extract Freezer	10/13/10 09:12	Return to Storage
JA58043-3.1	Secured Storage	George Paunovski	10/09/10 08:22	Retrieve from Storage
JA58043-3.1	George Paunovski	Alan Wan	10/09/10 08:43	Custody Transfer
JA58043-3.1	Alan Wan	Secured Storage	10/09/10 12:15	Return to Storage
JA58043-3.1	Secured Storage	John Thomas	10/12/10 12:22	Retrieve from Storage
JA58043-3.1	John Thomas	Secured Storage	10/12/10 12:25	Return to Storage
JA58043-3.1	Secured Storage	Adam Scott	10/13/10 07:52	Retrieve from Storage
JA58043-3.1	Adam Scott	Kari Hullen	10/13/10 08:17	Custody Transfer
JA58043-3.1	Kari Hullen	Secured Storage	10/13/10 11:39	Return to Storage
JA58043-3.1.1	George Paunovski	Organics Prep	10/09/10 08:31	Extract from JA58043-3.1
JA58043-3.1.1	Organics Prep	George Paunovski	10/09/10 17:21	Extract from JA58043-3.1
JA58043-3.1.1	George Paunovski	Extract Storage	10/09/10 17:21	Return to Storage
JA58043-3.1.1	Extract Storage	Olga Azarihn	10/12/10 11:20	Retrieve from Storage
JA58043-3.1.1	Olga Azarihn	GCMS3E	10/12/10 11:20	Load on Instrument
JA58043-3.1.1	GCMS3E	Olga Azarihn	10/14/10 09:21	Unload from Instrument
JA58043-3.1.1	Olga Azarihn	Extract Freezer	10/14/10 09:21	Return to Storage
JA58043-3.2	Secured Storage	Alexander Vincent Mazella	10/07/10 10:18	Retrieve from Storage
JA58043-3.2	Alexander Vincent Mazella	Secured Storage	10/07/10 17:48	Return to Storage

Accutest Internal Chain of Custody

Page 2 of 2

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY
Received: 10/06/10

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA58043-4.1	Secured Storage	George Paunovski	10/09/10 08:22	Retrieve from Storage
JA58043-4.1	George Paunovski	Alan Wan	10/09/10 08:43	Custody Transfer
JA58043-4.1	Alan Wan	Secured Storage	10/09/10 12:15	Return to Storage
JA58043-4.1	Secured Storage	John Thomas	10/12/10 12:22	Retrieve from Storage
JA58043-4.1	John Thomas	Secured Storage	10/12/10 12:25	Return to Storage
JA58043-4.1	Secured Storage	Adam Scott	10/13/10 07:52	Retrieve from Storage
JA58043-4.1	Adam Scott	Kari Hullen	10/13/10 08:17	Custody Transfer
JA58043-4.1	Kari Hullen	Secured Storage	10/13/10 11:39	Return to Storage
JA58043-4.1.1	George Paunovski	Organics Prep	10/09/10 08:31	Extract from JA58043-4.1
JA58043-4.1.1	Organics Prep	George Paunovski	10/09/10 17:21	Extract from JA58043-4.1
JA58043-4.1.1	George Paunovski	Extract Storage	10/09/10 17:21	Return to Storage
JA58043-4.1.1	Extract Storage	Olga Azarihn	10/12/10 11:20	Retrieve from Storage
JA58043-4.1.1	Olga Azarihn	GCMS3E	10/12/10 11:20	Load on Instrument
JA58043-4.1.1	GCMS3E	Olga Azarihn	10/14/10 09:21	Unload from Instrument
JA58043-4.1.1	Olga Azarihn	Extract Freezer	10/14/10 09:21	Return to Storage
JA58043-4.2	Secured Storage	Alexander Vincent Mazella	10/07/10 10:18	Retrieve from Storage
JA58043-4.2	Alexander Vincent Mazella	Secured Storage	10/07/10 17:48	Return to Storage
JA58043-5.1	Secured Storage	Edgardo Arrazola	10/13/10 15:04	Retrieve from Storage
JA58043-5.1	Edgardo Arrazola		10/14/10 00:19	Depleted
JA58043-5.1.1	Edgardo Arrazola	Organics Prep	10/13/10 15:07	Extract from JA58043-5.1
JA58043-5.1.1	Organics Prep	Edgardo Arrazola	10/14/10 00:19	Extract from JA58043-5.1
JA58043-5.1.1	Edgardo Arrazola	Extract Storage	10/14/10 00:19	Return to Storage
JA58043-5.1.1	Extract Storage	Nina Pandya	10/14/10 09:21	Retrieve from Storage
JA58043-5.1.1	Nina Pandya	GCMS3E	10/14/10 09:21	Load on Instrument
JA58043-5.1.1	GCMS3E	Nina Pandya	10/15/10 14:27	Unload from Instrument
JA58043-5.1.1	Nina Pandya	Extract Freezer	10/15/10 14:27	Return to Storage
JA58043-5.3	Secured Storage	Tamika Yvonne Ginn	10/08/10 16:49	Retrieve from Storage
JA58043-5.3	Tamika Yvonne Ginn	VOA Prep Storage	10/08/10 16:49	Return to Storage
JA58043-6.1	Secured Storage	Tamika Yvonne Ginn	10/08/10 16:49	Retrieve from Storage
JA58043-6.1	Tamika Yvonne Ginn	VOA Prep Storage	10/08/10 16:49	Return to Storage

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary**Job Number:** JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY4442-MB	Y104436.D	1	10/07/10	AVM	n/a	n/a	VY4442

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

JA58043-1, JA58043-3, JA58043-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.2	ug/kg	
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.26	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.31	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.34	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.32	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.17	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.45	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5.0	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.096	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
591-78-6	2-Hexanone	ND	5.0	0.96	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.81	ug/kg	
75-09-2	Methylene chloride	ND	5.0	0.22	ug/kg	
100-42-5	Styrene	ND	5.0	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.29	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.53	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

Method Blank Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY4442-MB	Y104436.D	1	10/07/10	AVM	n/a	n/a	VY4442

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

JA58043-1, JA58043-3, JA58043-4

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	102% 67-127%
17060-07-0	1,2-Dichloroethane-D4	92% 65-132%
2037-26-5	Toluene-D8	105% 74-129%
460-00-4	4-Bromofluorobenzene	103% 62-138%

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

Method Blank Summary

Page 1 of 2

Job Number: JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D2233-MB	3D51506.D	1	10/10/10	TYG	n/a	n/a	V3D2233

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

JA58043-5, JA58043-6

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

Method Blank Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D2233-MB	3D51506.D	1	10/10/10	TYG	n/a	n/a	V3D2233

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

JA58043-5, JA58043-6

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	86% 76-120%
17060-07-0	1,2-Dichloroethane-D4	89% 64-135%
2037-26-5	Toluene-D8	90% 76-117%
460-00-4	4-Bromofluorobenzene	99% 72-122%

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

Blank Spike Summary**Job Number:** JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY4442-BS	Y104437.D	1	10/07/10	AVM	n/a	n/a	VY4442

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

JA58043-1, JA58043-3, JA58043-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	38.3	77	45-168
71-43-2	Benzene	50	48.6	97	78-120
75-27-4	Bromodichloromethane	50	55.2	110	76-129
75-25-2	Bromoform	50	59.3	119	70-141
74-83-9	Bromomethane	50	42.8	86	57-142
78-93-3	2-Butanone (MEK)	50	46.4	93	59-140
75-15-0	Carbon disulfide	50	42.4	85	64-140
56-23-5	Carbon tetrachloride	50	46.0	92	66-151
108-90-7	Chlorobenzene	50	51.4	103	80-117
75-00-3	Chloroethane	50	40.8	82	60-142
67-66-3	Chloroform	50	47.1	94	75-122
74-87-3	Chloromethane	50	38.2	76	56-140
124-48-1	Dibromochloromethane	50	56.8	114	76-136
75-34-3	1,1-Dichloroethane	50	44.9	90	73-124
107-06-2	1,2-Dichloroethane	50	56.1	112	75-137
75-35-4	1,1-Dichloroethene	50	42.7	85	66-130
156-59-2	cis-1,2-Dichloroethene	50	54.2	108	73-121
156-60-5	trans-1,2-Dichloroethene	50	39.8	80	74-123
540-59-0	1,2-Dichloroethene (total)	100	94.1	94	74-121
78-87-5	1,2-Dichloropropane	50	52.8	106	78-121
10061-01-5	cis-1,3-Dichloropropene	50	51.7	103	81-124
10061-02-6	trans-1,3-Dichloropropene	50	54.2	108	78-130
100-41-4	Ethylbenzene	50	46.1	92	81-121
591-78-6	2-Hexanone	50	52.3	105	56-147
1634-04-4	Methyl Tert Butyl Ether	50	48.2	96	75-124
108-10-1	4-Methyl-2-pentanone(MIBK)	50	53.2	106	64-142
75-09-2	Methylene chloride	50	46.5	93	69-123
100-42-5	Styrene	50	49.7	99	79-127
79-34-5	1,1,2,2-Tetrachloroethane	50	54.2	108	71-123
127-18-4	Tetrachloroethene	50	51.7	103	73-134
108-88-3	Toluene	50	49.7	99	79-122
71-55-6	1,1,1-Trichloroethane	50	42.9	86	72-136
79-00-5	1,1,2-Trichloroethane	50	59.8	120	76-123
79-01-6	Trichloroethene	50	51.3	103	80-124
75-01-4	Vinyl chloride	50	39.1	78	59-145
1330-20-7	Xylene (total)	150	144	96	80-121

Blank Spike Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY4442-BS	Y104437.D	1	10/07/10	AVM	n/a	n/a	VY4442

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58043-1, JA58043-3, JA58043-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	67-127%
17060-07-0	1,2-Dichloroethane-D4	98%	65-132%
2037-26-5	Toluene-D8	104%	74-129%
460-00-4	4-Bromofluorobenzene	98%	62-138%

Blank Spike Summary**Job Number:** JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D2233-BS	3D51507.D	1	10/10/10	TYG	n/a	n/a	V3D2233

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

JA58043-5, JA58043-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	42.9	86	51-151
71-43-2	Benzene	50	48.8	98	75-122
75-27-4	Bromodichloromethane	50	51.5	103	77-128
75-25-2	Bromoform	50	50.0	100	67-141
74-83-9	Bromomethane	50	36.7	73	53-152
78-93-3	2-Butanone (MEK)	50	46.9	94	64-130
75-15-0	Carbon disulfide	50	41.1	82	59-140
56-23-5	Carbon tetrachloride	50	56.2	112	75-148
108-90-7	Chlorobenzene	50	49.7	99	76-124
75-00-3	Chloroethane	50	36.3	73	54-147
67-66-3	Chloroform	50	49.0	98	77-124
74-87-3	Chloromethane	50	26.2	52	46-144
124-48-1	Dibromochloromethane	50	50.0	100	76-132
75-34-3	1,1-Dichloroethane	50	42.7	85	72-124
107-06-2	1,2-Dichloroethane	50	55.1	110	66-150
75-35-4	1,1-Dichloroethene	50	43.6	87	61-132
156-59-2	cis-1,2-Dichloroethene	50	48.7	97	71-119
156-60-5	trans-1,2-Dichloroethene	50	39.4	79	71-123
540-59-0	1,2-Dichloroethene (total)	100	88.1	88	71-121
78-87-5	1,2-Dichloropropane	50	47.7	95	75-120
10061-01-5	cis-1,3-Dichloropropene	50	44.3	89	77-124
10061-02-6	trans-1,3-Dichloropropene	50	47.4	95	75-132
100-41-4	Ethylbenzene	50	50.9	102	77-124
591-78-6	2-Hexanone	50	48.1	96	58-136
1634-04-4	Methyl Tert Butyl Ether	50	47.1	94	72-127
108-10-1	4-Methyl-2-pentanone(MIBK)	50	52.3	105	63-135
75-09-2	Methylene chloride	50	42.4	85	69-122
100-42-5	Styrene	50	47.5	95	78-126
79-34-5	1,1,2,2-Tetrachloroethane	50	47.0	94	66-125
127-18-4	Tetrachloroethene	50	81.6	163* a	70-136
108-88-3	Toluene	50	47.1	94	76-126
71-55-6	1,1,1-Trichloroethane	50	48.9	98	77-136
79-00-5	1,1,2-Trichloroethane	50	47.0	94	75-123
79-01-6	Trichloroethene	50	52.3	105	79-126
75-01-4	Vinyl chloride	50	30.0	60	56-146
1330-20-7	Xylene (total)	150	148	99	77-125

Blank Spike Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3D2233-BS	3D51507.D	1	10/10/10	TYG	n/a	n/a	V3D2233

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

JA58043-5, JA58043-6

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	76-120%
17060-07-0	1,2-Dichloroethane-D4	94%	64-135%
2037-26-5	Toluene-D8	91%	76-117%
460-00-4	4-Bromofluorobenzene	99%	72-122%

(a) High percent recoveries and no associated positive found in the QC batch.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA58043-1MS	Y104438.D	1	10/07/10	AVM	n/a	n/a	VY4442
JA58043-1MSD	Y104439.D	1	10/07/10	AVM	n/a	n/a	VY4442
JA58043-1	Y104441.D	1	10/07/10	AVM	n/a	n/a	VY4442

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58043-1, JA58043-3, JA58043-4

CAS No.	Compound	JA58043-1 ug/kg	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	56.6	52.1	92	54.2	96	4	26-178/32
71-43-2	Benzene	ND	56.6	35.7	63	35.4	63	1	41-136/24
75-27-4	Bromodichloromethane	ND	56.6	40.3	71	40.3	71	0	37-150/23
75-25-2	Bromoforn	ND	56.6	39.7	70	39.3	69	1	31-153/24
74-83-9	Bromomethane	ND	56.6	37.3	66	35.7	63	4	4-154/32
78-93-3	2-Butanone (MEK)	ND	56.6	55.1	97	56.8	100	3	32-159/28
75-15-0	Carbon disulfide	ND	56.6	29.5	52	27.1	48	8	27-148/28
56-23-5	Carbon tetrachloride	ND	56.6	30.4	54	29.4	52	3	27-165/26
108-90-7	Chlorobenzene	ND	56.6	29.1	51	27.6	49	5	33-140/26
75-00-3	Chloroethane	ND	56.6	35.7	63	33.9	60	5	5-151/33
67-66-3	Chloroform	ND	56.6	38.1	67	36.8	65	3	44-135/24
74-87-3	Chloromethane	ND	56.6	33.6	59	32.3	57	4	27-149/27
124-48-1	Dibromochloromethane	ND	56.6	39.8	70	39.8	70	0	35-154/23
75-34-3	1,1-Dichloroethane	ND	56.6	37.5	66	35.9	63	4	45-135/24
107-06-2	1,2-Dichloroethane	ND	56.6	46.4	82	46.7	83	1	44-143/23
75-35-4	1,1-Dichloroethene	ND	56.6	34.4	61	32.9	58	4	32-149/26
156-59-2	cis-1,2-Dichloroethene	ND	56.6	42.4	75	40.3	71	5	42-135/25
156-60-5	trans-1,2-Dichloroethene	ND	56.6	30.1	53	28.3	50	6	37-140/25
540-59-0	1,2-Dichloroethene (total)	ND	113	72.5	64	68.6	61	6	40-137/25
78-87-5	1,2-Dichloropropane	ND	56.6	39.8	70	39.8	70	0	45-136/23
10061-01-5	cis-1,3-Dichloropropene	ND	56.6	36.3	64	36.9	65	2	37-143/26
10061-02-6	trans-1,3-Dichloropropene	ND	56.6	37.3	66	36.9	65	1	34-148/26
100-41-4	Ethylbenzene	ND	56.6	24.9	44	22.9	40	8	28-147/27
591-78-6	2-Hexanone	ND	56.6	53.8	95	57.3	101	6	19-169/31
1634-04-4	Methyl Tert Butyl Ether	ND	56.6	45.4	80	44.1	78	3	48-135/22
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	56.6	54.8	97	56.8	100	4	31-158/26
75-09-2	Methylene chloride	ND	56.6	39.8	70	38.8	69	3	39-138/24
100-42-5	Styrene	ND	56.6	26.3	46	24.7	44	6	23-156/29
79-34-5	1,1,2,2-Tetrachloroethane	ND	56.6	35.9	63	36.3	64	1	35-136/25
127-18-4	Tetrachloroethene	0.91	J 56.6	39.7	69	36.3	63	9	27-164/28
108-88-3	Toluene	ND	56.6	31.7	56	30.6	54	4	32-145/26
71-55-6	1,1,1-Trichloroethane	ND	56.6	31.9	56	30.2	53	5	36-150/24
79-00-5	1,1,2-Trichloroethane	ND	56.6	45.9	81	46.6	82	2	37-147/23
79-01-6	Trichloroethene	ND	56.6	34.4	61	33.3	59	3	34-149/25
75-01-4	Vinyl chloride	ND	56.6	34.0	60	32.5	57	5	29-152/26
1330-20-7	Xylene (total)	ND	170	76.8	45	70.4	41	9	24-150/28

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA58043-1MS	Y104438.D	1	10/07/10	AVM	n/a	n/a	VY4442
JA58043-1MSD	Y104439.D	1	10/07/10	AVM	n/a	n/a	VY4442
JA58043-1	Y104441.D	1	10/07/10	AVM	n/a	n/a	VY4442

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58043-1, JA58043-3, JA58043-4

CAS No.	Surrogate Recoveries	MS	MSD	JA58043-1	Limits
1868-53-7	Dibromofluoromethane	104%	102%	104%	67-127%
17060-07-0	1,2-Dichloroethane-D4	106%	103%	98%	65-132%
2037-26-5	Toluene-D8	104%	104%	105%	74-129%
460-00-4	4-Bromofluorobenzene	97%	98%	102%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 2

Job Number: JA58043

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA57971-5MS	3D51508.D	1	10/10/10	TYG	n/a	n/a	V3D2233
JA57971-5MSD	3D51509.D	1	10/10/10	TYG	n/a	n/a	V3D2233
JA57971-5	3D51514.D	1	10/10/10	TYG	n/a	n/a	V3D2233

The QC reported here applies to the following samples:

Method: SW846 8260B

JA58043-5, JA58043-6

CAS No.	Compound	JA57971-5 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND	50	36.9	74	39.0	78	6	44-157/20
71-43-2	Benzene	ND	50	29.3	59	29.9	60	2	38-139/13
75-27-4	Bromodichloromethane	ND	50	38.0	76	38.0	76	0	70-135/13
75-25-2	Bromoform	ND	50	38.5	77	37.6	75	2	53-139/13
74-83-9	Bromomethane	ND	50	37.8	76	39.0	78	3	44-150/18
78-93-3	2-Butanone (MEK)	ND	50	37.7	75	38.7	77	3	58-140/14
75-15-0	Carbon disulfide	ND	50	12.0	24* a	11.7	23* a	3	34-136/21
56-23-5	Carbon tetrachloride	ND	50	22.4	45* a	23.0	46* a	3	50-161/18
108-90-7	Chlorobenzene	ND	50	36.3	73	36.2	72	0	65-128/12
75-00-3	Chloroethane	ND	50	32.2	64	33.1	66	3	41-151/18
67-66-3	Chloroform	ND	50	32.3	65* a	32.9	66	2	66-132/14
74-87-3	Chloromethane	ND	50	27.1	54	27.6	55	2	35-149/22
124-48-1	Dibromochloromethane	ND	50	39.6	79	39.3	79	1	67-134/12
75-34-3	1,1-Dichloroethane	ND	50	24.9	50* a	25.2	50* a	1	59-132/15
107-06-2	1,2-Dichloroethane	ND	50	41.8	84	42.2	84	1	59-153/15
75-35-4	1,1-Dichloroethene	ND	50	13.4	27* a	13.7	27* a	2	41-144/17
156-59-2	cis-1,2-Dichloroethene	ND	50	28.5	57	28.1	56* a	1	57-131/13
156-60-5	trans-1,2-Dichloroethene	ND	50	21.2	42* a	21.8	44* a	3	55-131/15
540-59-0	1,2-Dichloroethene (total)	ND	100	49.7	50* a	49.9	50* a	0	56-131/12
78-87-5	1,2-Dichloropropane	ND	50	34.1	68	34.2	68	0	67-125/12
10061-01-5	cis-1,3-Dichloropropene	ND	50	34.1	68	34.1	68	0	68-126/13
10061-02-6	trans-1,3-Dichloropropene	ND	50	38.2	76	38.3	77	0	68-134/13
100-41-4	Ethylbenzene	ND	50	32.6	65	32.5	65	0	37-143/13
591-78-6	2-Hexanone	ND	50	41.9	84	42.2	84	1	53-145/17
1634-04-4	Methyl Tert Butyl Ether	ND	50	33.9	68	34.7	69	2	53-139/14
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	44.8	90	46.2	92	3	57-141/14
75-09-2	Methylene chloride	ND	50	27.0	54* a	27.4	55* a	1	59-129/12
100-42-5	Styrene	ND	50	34.1	68	33.8	68	1	60-135/13
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	45.2	90	45.9	92	2	62-126/13
127-18-4	Tetrachloroethene	ND	50	26.0	52	26.4	53	2	48-145/15
108-88-3	Toluene	ND	50	29.8	60	29.9	60	0	44-141/14
71-55-6	1,1,1-Trichloroethane	ND	50	22.7	45* a	23.5	47* a	3	55-149/18
79-00-5	1,1,2-Trichloroethane	ND	50	38.8	78	39.2	78	1	70-127/12
79-01-6	Trichloroethene	ND	50	28.1	56	29.0	58	3	53-141/15
75-01-4	Vinyl chloride	ND	50	22.0	44	22.5	45	2	34-151/20
1330-20-7	Xylene (total)	ND	150	95.8	64	95.8	64	0	36-144/13

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA57971-5MS	3D51508.D	1	10/10/10	TYG	n/a	n/a	V3D2233
JA57971-5MSD	3D51509.D	1	10/10/10	TYG	n/a	n/a	V3D2233
JA57971-5	3D51514.D	1	10/10/10	TYG	n/a	n/a	V3D2233

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

JA58043-5, JA58043-6

CAS No.	Surrogate Recoveries	MS	MSD	JA57971-5	Limits
1868-53-7	Dibromofluoromethane	85%	85%	87%	76-120%
17060-07-0	1,2-Dichloroethane-D4	94%	93%	91%	64-135%
2037-26-5	Toluene-D8	90%	90%	89%	76-117%
460-00-4	4-Bromofluorobenzene	100%	100%	100%	72-122%

(a) Outside control limits due to matrix interference.

Instrument Performance Check (BFB)

Page 1 of 1

Job Number: JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY**Sample:** V3D2195-BFB**Injection Date:** 09/16/10**Lab File ID:** 3D50534.D**Injection Time:** 09:17**Instrument ID:** GCMS3D

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	8724	17.1	Pass
75	30.0 - 60.0% of mass 95	22496	44.0	Pass
95	Base peak, 100% relative abundance	51117	100.0	Pass
96	5.0 - 9.0% of mass 95	3453	6.76	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	46000	90.0	Pass
175	5.0 - 9.0% of mass 174	3484	6.82 (7.57) ^a	Pass
176	95.0 - 101.0% of mass 174	44490	87.0 (96.7) ^a	Pass
177	5.0 - 9.0% of mass 176	2980	5.83 (6.70) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D2195-IC2195	3D50535.D	09/16/10	09:50	00:33	Initial cal 1
V3D2195-IC2195	3D50536.D	09/16/10	10:16	00:59	Initial cal 2
V3D2195-IC2195	3D50539.D	09/16/10	11:39	02:22	Initial cal 10
V3D2195-IC2195	3D50540.D	09/16/10	12:06	02:49	Initial cal 20
V3D2195-ICC2195	3D50541.D	09/16/10	12:34	03:17	Initial cal 50
V3D2195-IC2195	3D50543.D	09/16/10	13:27	04:10	Initial cal 100
V3D2195-IC2195	3D50544.D	09/16/10	13:54	04:37	Initial cal 200
V3D2195-IC2195	3D50547.D	09/16/10	15:15	05:58	Initial cal 5
V3D2195-IC2195	3D50549.D	09/16/10	15:43	06:26	Initial cal 0.5

Instrument Performance Check (BFB)**Job Number:** JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY**Sample:** V3D2233-BFB**Injection Date:** 10/10/10**Lab File ID:** 3D51503.D**Injection Time:** 03:43**Instrument ID:** GCMS3D

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	6579	17.5	Pass
75	30.0 - 60.0% of mass 95	17781	47.3	Pass
95	Base peak, 100% relative abundance	37586	100.0	Pass
96	5.0 - 9.0% of mass 95	2525	6.72	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	32829	87.3	Pass
175	5.0 - 9.0% of mass 174	2647	7.04 (8.06) ^a	Pass
176	95.0 - 101.0% of mass 174	31909	84.9 (97.2) ^a	Pass
177	5.0 - 9.0% of mass 176	2002	5.33 (6.27) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3D2233-CC2195	3D51504.D	10/10/10	04:10	00:27	Continuing cal 50
V3D2233-MB	3D51506.D	10/10/10	05:04	01:21	Method Blank
V3D2233-BS	3D51507.D	10/10/10	05:30	01:47	Blank Spike
JA57971-5MS	3D51508.D	10/10/10	05:57	02:14	Matrix Spike
JA57971-5MSD	3D51509.D	10/10/10	06:24	02:41	Matrix Spike Duplicate
ZZZZZZ	3D51511.D	10/10/10	07:18	03:35	(unrelated sample)
ZZZZZZ	3D51512.D	10/10/10	07:45	04:02	(unrelated sample)
ZZZZZZ	3D51513.D	10/10/10	08:12	04:29	(unrelated sample)
JA57971-5	3D51514.D	10/10/10	08:39	04:56	(used for QC only; not part of job JA58043)
ZZZZZZ	3D51515.D	10/10/10	09:05	05:22	(unrelated sample)
ZZZZZZ	3D51516.D	10/10/10	09:32	05:49	(unrelated sample)
ZZZZZZ	3D51517.D	10/10/10	09:59	06:16	(unrelated sample)
ZZZZZZ	3D51518.D	10/10/10	10:26	06:43	(unrelated sample)
ZZZZZZ	3D51519.D	10/10/10	10:53	07:10	(unrelated sample)
JA58043-5	3D51520.D	10/10/10	11:20	07:37	FB10610
JA58043-6	3D51521.D	10/10/10	11:46	08:03	TB10610
ZZZZZZ	3D51522.D	10/10/10	12:13	08:30	(unrelated sample)
ZZZZZZ	3D51523.D	10/10/10	12:40	08:57	(unrelated sample)
ZZZZZZ	3D51525.D	10/10/10	13:34	09:51	(unrelated sample)
ZZZZZZ	3D51527.D	10/10/10	14:28	10:45	(unrelated sample)

Instrument Performance Check (BFB)

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Job Number: JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY**Sample:** VY4387-BFB**Injection Date:** 09/01/10**Lab File ID:** Y103250.D**Injection Time:** 08:36**Instrument ID:** GCMSY

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	3826	17.1	Pass
75	30.0 - 60.0% of mass 95	10003	44.6	Pass
95	Base peak, 100% relative abundance	22410	100.0	Pass
96	5.0 - 9.0% of mass 95	1479	6.60	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	19093	85.2	Pass
175	5.0 - 9.0% of mass 174	1556	6.94 (8.15) ^a	Pass
176	95.0 - 101.0% of mass 174	19106	85.3 (100.1) ^a	Pass
177	5.0 - 9.0% of mass 176	1328	5.93 (6.95) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY4387-IC4387	Y103251.D	09/01/10	09:50	01:14	Initial cal 5
VY4387-IC4387	Y103252.D	09/01/10	10:23	01:47	Initial cal 2
VY4387-IC4387	Y103253.D	09/01/10	10:52	02:16	Initial cal 1
VY4387-IC4387	Y103254.D	09/01/10	11:23	02:47	Initial cal 0.5
VY4387-IC4387	Y103256.D	09/01/10	12:28	03:52	Initial cal 20
VY4387-ICC4387	Y103257.D	09/01/10	12:58	04:22	Initial cal 50
VY4387-IC4387	Y103258.D	09/01/10	13:27	04:51	Initial cal 100
VY4387-IC4387	Y103259.D	09/01/10	13:57	05:21	Initial cal 200
VY4387-IC4387	Y103262.D	09/01/10	16:29	07:53	Initial cal 10
VY4387-ICV4387	Y103264.D	09/01/10	18:00	09:24	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4442-BFB **Injection Date:** 10/07/10
Lab File ID: Y104433.D **Injection Time:** 19:53
Instrument ID: GCMSY

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
50	15.0 - 40.0% of mass 95	4882	16.1	Pass
75	30.0 - 60.0% of mass 95	13110	43.2	Pass
95	Base peak, 100% relative abundance	30354	100.0	Pass
96	5.0 - 9.0% of mass 95	2041	6.72	Pass
173	Less than 2.0% of mass 174	0	0.00 (0.00) ^a	Pass
174	50.0 - 120.0% of mass 95	28029	92.3	Pass
175	5.0 - 9.0% of mass 174	2047	6.74 (7.30) ^a	Pass
176	95.0 - 101.0% of mass 174	27682	91.2 (98.8) ^a	Pass
177	5.0 - 9.0% of mass 176	1885	6.21 (6.81) ^b	Pass

(a) Value is % of mass 174

(b) Value is % of mass 176

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY4442-CC4387	Y104434.D	10/07/10	20:22	00:29	Continuing cal 50
VY4442-MB	Y104436.D	10/07/10	21:21	01:28	Method Blank
VY4442-BS	Y104437.D	10/07/10	21:50	01:57	Blank Spike
JA58043-1MS	Y104438.D	10/07/10	22:20	02:27	Matrix Spike
JA58043-1MSD	Y104439.D	10/07/10	22:49	02:56	Matrix Spike Duplicate
JA58043-1	Y104441.D	10/07/10	23:48	03:55	MW-6 (2-4)
JA58043-3	Y104442.D	10/08/10	00:17	04:24	MW-4 (0-2)
JA58043-4	Y104443.D	10/08/10	00:46	04:53	MW-5 (0-2)
ZZZZZZ	Y104444.D	10/08/10	01:16	05:23	(unrelated sample)
ZZZZZZ	Y104445.D	10/08/10	01:45	05:52	(unrelated sample)
ZZZZZZ	Y104446.D	10/08/10	02:15	06:22	(unrelated sample)
ZZZZZZ	Y104447.D	10/08/10	02:44	06:51	(unrelated sample)
ZZZZZZ	Y104448.D	10/08/10	03:13	07:20	(unrelated sample)
ZZZZZZ	Y104449.D	10/08/10	03:43	07:50	(unrelated sample)
ZZZZZZ	Y104450.D	10/08/10	04:12	08:19	(unrelated sample)
ZZZZZZ	Y104451.D	10/08/10	04:41	08:48	(unrelated sample)
ZZZZZZ	Y104452.D	10/08/10	05:11	09:18	(unrelated sample)
ZZZZZZ	Y104453.D	10/08/10	05:40	09:47	(unrelated sample)
ZZZZZZ	Y104454.D	10/08/10	06:10	10:17	(unrelated sample)
ZZZZZZ	Y104455.D	10/08/10	06:39	10:46	(unrelated sample)

Volatile Internal Standard Area Summary

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Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Check Std: V3D2233-CC2195
Lab File ID: 3D51504.D
Instrument ID: GCMS3D
Injection Date: 10/10/10
Injection Time: 04:10
Method: SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	45242	6.99	111533	9.20	152398	10.12	119078	13.30	61496	15.62
Upper Limit ^a	90484	7.49	223066	9.70	304796	10.62	238156	13.80	122992	16.12
Lower Limit ^b	22621	6.49	55767	8.70	76199	9.62	59539	12.80	30748	15.12

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3D2233-MB	44149	6.99	109992	9.20	148235	10.12	119933	13.30	61544	15.62
V3D2233-BS	43955	7.00	110045	9.20	148483	10.12	118141	13.29	60958	15.61
JA57971-5MS	42689	6.99	110671	9.20	152352	10.11	120183	13.30	60586	15.62
JA57971-5MSD	46101	6.99	110011	9.20	149748	10.12	118686	13.30	60266	15.62
ZZZZZZ	41347	7.00	104790	9.20	138969	10.12	111772	13.30	58283	15.62
ZZZZZZ	40896	6.99	107327	9.20	145153	10.12	118295	13.30	59883	15.62
ZZZZZZ	41402	6.99	106027	9.20	142509	10.12	115037	13.30	58551	15.62
JA57971-5	41019	6.99	101397	9.20	135716	10.11	109578	13.30	56601	15.62
ZZZZZZ	38396	7.00	98679	9.21	131491	10.12	107071	13.30	56112	15.62
ZZZZZZ	37934	6.99	99577	9.20	134046	10.12	109015	13.30	55798	15.62
ZZZZZZ	38796	6.99	96136	9.21	127339	10.12	102670	13.30	53470	15.62
ZZZZZZ	38594	6.99	95867	9.20	130135	10.12	105217	13.30	54393	15.62
ZZZZZZ	38134	6.99	94750	9.20	127926	10.12	102884	13.30	53185	15.62
JA58043-5	35600	6.99	89930	9.20	119250	10.12	98438	13.30	51036	15.62
JA58043-6	36149	6.99	92939	9.20	125184	10.12	101133	13.30	51758	15.62
ZZZZZZ	35694	6.99	88504	9.20	117027	10.12	95263	13.30	49927	15.62
ZZZZZZ	35781	7.00	87534	9.20	119433	10.12	101007	13.30	56621	15.62
ZZZZZZ	43321	6.99	106999	9.20	145452	10.12	117038	13.30	59771	15.62
ZZZZZZ	44663	6.99	108249	9.20	145625	10.12	116369	13.30	60258	15.62

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

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

Volatile Internal Standard Area Summary

Page 1 of 1

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Check Std: VY4442-CC4387
Lab File ID: Y104434.D
Instrument ID: GCMSY
Injection Date: 10/07/10
Injection Time: 20:22
Method: SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	50489	5.57	121491	8.10	174634	9.09	168521	12.49	84576	14.92
Upper Limit ^a	100978	6.07	242982	8.60	349268	9.59	337042	12.99	169152	15.42
Lower Limit ^b	25245	5.07	60746	7.60	87317	8.59	84261	11.99	42288	14.42

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY4442-MB	49923	5.61	128630	8.11	185382	9.10	176377	12.50	78961	14.93
VY4442-BS	57268	5.58	127355	8.10	185394	9.09	178215	12.49	88945	14.92
JA58043-1MS	61870	5.58	130643	8.11	197237	9.09	189691	12.49	94284	14.92
JA58043-1MSD	70914	5.58	132365	8.11	194748	9.09	188768	12.49	92054	14.92
JA58043-1	62076	5.61	133468	8.11	191669	9.10	185662	12.50	86351	14.93
JA58043-3	61137	5.60	134360	8.11	195716	9.09	192846	12.50	89639	14.93
JA58043-4	60312	5.61	134538	8.11	192654	9.10	185077	12.50	85414	14.93
ZZZZZZ	59864	5.61	132202	8.11	194084	9.10	191805	12.50	87880	14.93
ZZZZZZ	44555	5.61	130973	8.11	190714	9.10	187773	12.50	85795	14.93
ZZZZZZ	43227	5.61	125501	8.11	183465	9.09	140429	12.50	37792*	14.93
ZZZZZZ	64925	5.61	137156	8.11	201603	9.10	195390	12.50	92174	14.93
ZZZZZZ	59143	5.61	124433	8.11	180230	9.09	172316	12.50	81427	14.93
ZZZZZZ	54575	5.62	135416	8.11	192492	9.10	188841	12.50	85707	14.93
ZZZZZZ	59324	5.61	131091	8.11	189183	9.09	187837	12.50	87857	14.93
ZZZZZZ	68548	5.60	127874	8.12	183595	9.09	181054	12.50	90061	14.92
ZZZZZZ	50497	5.62	127650	8.11	183570	9.10	177657	12.50	83485	14.93
ZZZZZZ	55546	5.60	129043	8.11	184134	9.09	180664	12.50	85066	14.93
ZZZZZZ	46038	5.62	129925	8.11	182696	9.10	174398	12.50	78999	14.93
ZZZZZZ	55132	5.61	128959	8.11	183781	9.10	177300	12.50	83963	14.93

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

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

Volatile Surrogate Recovery Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Method: SW846 8260B	Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA58043-5	3D51520.D	88.0	96.0	90.0	99.0
JA58043-6	3D51521.D	88.0	96.0	91.0	100.0
JA57971-5MS	3D51508.D	85.0	94.0	90.0	100.0
JA57971-5MSD	3D51509.D	85.0	93.0	90.0	100.0
V3D2233-BS	3D51507.D	85.0	94.0	91.0	99.0
V3D2233-MB	3D51506.D	86.0	89.0	90.0	99.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	76-120%
S2 = 1,2-Dichloroethane-D4	64-135%
S3 = Toluene-D8	76-117%
S4 = 4-Bromofluorobenzene	72-122%

Volatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Method: SW846 8260B

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA58043-1	Y104441.D	104.0	98.0	105.0	102.0
JA58043-3	Y104442.D	105.0	100.0	108.0	102.0
JA58043-4	Y104443.D	102.0	97.0	106.0	101.0
JA58043-1MS	Y104438.D	104.0	106.0	104.0	97.0
JA58043-1MSD	Y104439.D	102.0	103.0	104.0	98.0
VY4442-BS	Y104437.D	97.0	98.0	104.0	98.0
VY4442-MB	Y104436.D	102.0	92.0	105.0	103.0

Surrogate Compounds

Recovery Limits

S1 = Dibromofluoromethane

67-127%

S2 = 1,2-Dichloroethane-D4

65-132%

S3 = Toluene-D8

74-129%

S4 = 4-Bromofluorobenzene

62-138%

5.6.2

5

Initial Calibration Summary

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Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2195-ICC2195
Lab FileID: 3D50541.D

Response Factor Report MS3D

Method : C:\MSDCHEM\1\METHODS\M3D2195.M (RTE Integrator)
Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
Last Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

Calibration Files

5 =3D50547.D 0.5 =3D50549.D 2 =3D50536.D 50 =3D50541.D
100 =3D50543.D 1 =3D50535.D 200 =3D50544.D 20 =3D50540.D
10 =3D50539.D =

Compound	5	0.5	2	50	100	1	200	20	10	Avg	%RSD
1) I Tert Butyl Alcohol-d9 -----ISTD-----											
2) 1,4-dioxane	0.115		0.128	0.131	0.126		0.152	0.147	0.125	0.132	9.87
3) tertiary butyl alcohol	1.483		1.511	1.542	1.419	1.417	1.602	1.582	1.336	1.487	6.13
4) I pentafluorobenzene -----ISTD-----											
5) chlorodifluoromethane	0.755	0.825	0.934	0.722	0.705	0.739	0.782	0.720	0.685	0.763	10.07
6) dichlorodifluoromethane	1.242	1.069	1.192	1.088	1.119	1.076	1.214	1.125	1.207	1.148	5.77
7) chloromethane	1.308	1.397	1.468	1.210	1.239	1.263	1.333	1.214	1.306	1.304	6.59
8) vinyl chloride	1.184	1.261	1.257	1.120	1.132	1.091	1.247	1.131	1.194	1.180	5.47
9) bromomethane	0.729	0.865	0.783	0.666	0.678	0.650		0.672	0.733	0.722	10.05
10) chloroethane	0.562	0.628	0.620	0.497	0.514	0.538	0.549	0.505	0.558	0.552	8.47
11) vinyl bromide										0.000#	-1.00
12) trichlorofluoromethane	1.134	1.007	1.169	1.010	1.024	1.016	1.113	1.052	1.127	1.072	5.88
13) ethyl ether	0.322			0.365	0.351		0.377	0.355	0.404	0.362	7.57
14) acrolein	0.120	0.125	0.121	0.118	0.132	0.111	0.139	0.114	0.116	0.122	7.39
15) 1,1-dichloroethene	0.658		0.744	0.610	0.593	0.698	0.644	0.640	0.708	0.662	7.76
16) acetone				0.190	0.171		0.178	0.219	0.277	0.207	20.90
----- Linear regression ----- Coefficient = 0.9986											
Response Ratio = 0.01598 + 0.17187 *A											
17) allyl chloride	0.293	0.433	0.419	0.349	0.349	0.360	0.396	0.326	0.343	0.363	12.38
18) acetonitrile				0.055	0.056		0.060	0.056	0.051	0.056	5.66
19) iodomethane	1.261		1.408	1.225	1.180	1.429	1.277	1.271	1.431	1.310	7.49
20) iso-butyl alcohol	0.144		0.180	0.136	0.135		0.148	0.144	0.162	0.150	10.75
21) carbon disulfide	2.424		2.735	2.298	2.251	2.793	2.441	2.401	2.703	2.506	8.31

Initial Calibration Summary

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Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2195-ICC2195
Lab FileID: 3D50541.D

22)	methylene chloride	0.760	0.831	0.711	0.686	0.932	0.740	0.752	0.828	0.780	10.20
23)	methyl acetate	0.347		0.466	0.480		0.508	0.415	0.322	0.423	17.82
	----- Linear regression -----										
	Response Ratio =	-0.03894	+	0.51400	*A						
24)	methyl tert butyl ether	1.943	2.028	1.899	1.869	2.256	1.984	1.993	2.259	2.029	7.40
25)	trans-1,2-dichloroethene	0.726	0.853	0.669	0.662	0.742	0.719	0.705	0.772	0.731	8.34
26)	di-isopropyl ether	2.232	2.986	2.736	2.258	2.137	2.110	2.320	2.304	2.128	12.83
27)	ethyl tert-butyl ether	2.118	2.782	2.472	2.144	2.032	1.968	2.205	2.174	2.024	11.68
28)	2-butanone			0.065	0.067		0.072	0.060	0.058	0.064	8.94
29)	1,1-dichloroethane	1.237	1.738	1.330	1.194	1.158	1.314	1.259	1.259	1.389	13.02
30)	chloroprene	0.807	0.806	1.019	0.811	0.773	0.703	0.842	0.826	0.757	10.65
31)	acrylonitrile	0.233		0.228	0.241	0.236	0.224	0.249	0.241	0.289	8.40
32)	vinyl acetate			0.090	0.092		0.103	0.082	0.053	0.084	22.26
	----- Linear regression -----										
	Response Ratio =	-0.01387	+	0.10506	*A						
33)	ethyl acetate	0.065		0.097	0.094		0.100	0.096	0.086	0.090	14.49
34)	2,2-dichloropropane	1.035	1.185	0.936	0.893	1.190	0.966	0.979	1.125	1.039	11.06
35)	cis-1,2-dichloroethene	0.760	0.878	0.733	0.711	0.840	0.780	0.761	0.862	0.791	7.83
36)	propionitrile	0.087	0.082	0.089	0.091	0.087	0.095	0.093	0.106	0.091	7.85
37)	bromochloromethane	0.356	0.458	0.372	0.365	0.351	0.367	0.384	0.376	0.418	8.91
38)	tetrahydrofuran	0.250		0.204	0.212		0.221	0.206	0.272	0.227	12.10
39)	chloroform	1.161	1.239	1.131	1.095	1.328	1.202	1.162	1.305	1.203	6.86
40)	Tert-Butyl Formate	0.611	0.718	0.645	0.636	0.628	0.533	0.671	0.631	0.594	8.08
41)	dibromofluoromethane (s)	0.678	0.717	0.656	0.617	0.697	0.684	0.710	0.707	0.683	4.87
42)	1,2-dichloroethane-d4 (s)	0.723	0.700	0.705	0.657	0.715	0.674	0.758	0.744	0.710	4.72
43)	freon 113	0.527	0.596	0.655	0.516	0.494	0.482	0.533	0.540	0.495	10.32
44)	methacrylonitrile			0.365	0.393		0.387	0.342	0.417	0.381	7.44
45)	1,1,1-trichloroethane	0.998	1.402	1.101	0.964	0.955	1.091	1.052	0.999	1.133	12.72
46)	tert amyl alcohol									0.000#	-1.00
47)	2,2,4-Trimethylpentane	2.501	2.970	3.207	2.433	2.370	2.361	2.603	2.461	2.280	12.04
48)	tert-amyl methyl ether	2.124	2.553	2.118	2.036	1.979	2.225	2.145	2.007	2.148	8.49

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[illegible]

Initial Calibration Summary

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Job Number: JA58043
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2195-ICC2195
 Lab FileID: 3D50541.D

	0.170	0.132	0.142	0.148	0.146	0.156	0.171	0.152	9.68			
78) I	chlorobenzene-d5 -----ISTD-----											
79)	0.567	0.777	0.639	0.561	0.544	0.619	0.606	0.584	0.629	0.614	11.30	
80)	0.712	1.033	0.718	0.712	0.681	0.761	0.749	0.728	0.819	0.768	13.91	
81)	0.259	0.280	0.288	0.285	0.266	0.309	0.300	0.269	0.282	0.282	6.10	
82)	0.047	0.051	0.047	0.047	0.066	0.051	0.048	0.046	0.050	0.050	13.00	
83)	0.539	0.781	0.547	0.552	0.532	0.594	0.591	0.570	0.629	0.593	12.99	
84)	0.453	0.645	0.454	0.467	0.449	0.494	0.491	0.480	0.529	0.496	12.39	
85)	n-Butyl Ether										0.000#	-1.00
86)	1.384	1.512	1.357	1.299	1.581	1.452	1.386	1.552	1.440	1.440	6.96	
87)	0.510	0.745	0.549	0.512	0.508	0.555	0.565	0.525	0.585	0.562	13.15	
88)	2.306	2.621	2.249	2.189	2.513	2.451	2.303	2.558	2.399	2.399	6.59	
89)	0.885	1.248	0.976	0.864	0.843	0.947	0.940	0.890	0.996	0.954	12.74	
90)	0.880	1.160	0.972	0.861	0.839	0.946	0.926	0.889	0.983	0.940	10.26	
91)	1.443	1.963	1.528	1.457	1.411	1.553	1.596	1.487	1.639	1.564	10.66	
92)	Butyl Acrylate										0.000#	-1.00
93)	0.367	0.361	0.372	0.375	0.463	0.417	0.383	0.433	0.396	0.396	9.29	
94) I	1,4-dichlorobenzene-d -----ISTD-----											
95)	4.083	5.839	4.806	4.129	3.955	4.547	4.299	4.203	4.655	4.502	12.78	
96)	1.189	1.323	1.184	1.069	1.187	1.254	1.254	1.208	1.208	6.61		
97)	1.099	1.517	1.157	1.125	1.064	1.279	1.178	1.127	1.231	1.198	11.42	
98)	0.203	0.087	0.051	0.059	0.108	0.109	0.103	0.103	53.23			
	----- Linear regression ----- Coefficient = 0.9735											
	Response Ratio = 0.16544 + 0.05326 *A											
99)	1.092	1.182	1.117	1.088	1.550	1.144	1.153	1.332	1.207	1.207	13.14	
100)	0.242	0.214	0.254	0.258	0.304	0.276	0.265	0.294	0.263	0.263	10.94	
101)	0.242	0.235	0.247	0.241	0.329	0.256	0.256	0.301	0.263	0.263	12.75	
102)	4.823	5.868	4.793	4.588	5.640	5.059	4.941	5.510	5.153	5.153	8.94	
103)	4-Ethyltoluene										0.000#	-1.00
104)	0.981	1.419	1.196	0.992	0.946	1.080	1.044	1.024	1.122	1.089	13.35	
105)	1.016	1.381	1.131	1.015	0.958	1.140	1.063	1.045	1.135	1.098	11.21	

5.7.1

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Initial Calibration Summary

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Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2195-ICC2195
Lab FileID: 3D50541.D

106)	1,3,5-trimethylbenzene	3.405	4.006	3.409	3.288	3.845	3.662	3.451	3.836	3.613	7.22
107)	tert-butylbenzene	2.763	4.019	3.434	2.878	2.795	3.149	3.082	2.897	3.205	12.63
108)	pentachloroethane	0.694	0.970	0.801	0.753	0.738	0.903	0.825	0.745	0.810	10.77
109)	1,2,4-trimethylbenzene	3.365	4.063	3.386	3.259	3.903	3.658	3.473	3.859	3.621	8.13
110)	sec-butylbenzene	4.411	6.331	5.428	4.439	4.311	4.994	4.798	4.505	4.983	13.09
111)	1,3-dichlorobenzene	2.006	2.415	2.044	1.975	2.395	2.208	2.072	2.314	2.179	8.17
112)	p-isopropyltoluene	3.593	4.415	3.631	3.522	4.056	3.947	3.689	4.068	3.865	7.97
113)	1,4-dichlorobenzene	2.215	2.531	2.149	2.060	2.637	2.317	2.192	2.458	2.320	8.76
114)	1,2-dichlorobenzene	2.045	2.343	2.058	2.001	2.472	2.223	2.094	2.342	2.197	7.87
115)	1,4-Diethylbenzene									0.000#	-1.00
116)	n-butylbenzene	1.931	2.746	2.336	1.920	1.886	2.035	2.120	1.943	2.160	13.01
117)	1,2,4,5-Tetramethylbenzene									0.000#	-1.00
118)	1,2-dibromo-3-chloropropane	0.192	0.166	0.197	0.203	0.268	0.209	0.197	0.230	0.208	14.53
119)	1,3,5-trichlorobenzene	1.824	2.222	1.846	1.799	1.967	2.009	1.819	2.010	1.937	7.46
120)	1,2,4-trichlorobenzene	1.692	1.895	1.810	1.746	1.767	1.872	1.755	1.905	1.805	4.32
121)	hexachlorobutadiene	0.910	1.112	0.936	0.923	1.053	1.013	0.922	0.994	0.983	7.44
122)	naphthalene	3.601	3.604	3.912	3.810	3.998	3.864	3.793	4.135	3.840	4.76
123)	1,2,3-trichlorobenzene	1.552	1.701	1.678	1.590	1.651	1.628	1.596	1.744	1.643	3.88
124)	hexachloroethane	0.733	1.025	0.908	0.796	0.782	0.931	0.891	0.780	0.852	10.77
125)	Benzyl chloride	2.167	2.584	2.182	2.041	2.691	2.187	2.162	2.021	2.254	10.94

 (#) = Out of Range ### Number of calibration levels exceeded format ###

M3D2195.M

Thu Sep 16 16:45:46 2010

MS3D

Initial Calibration Verification

Page 1 of 3

Job Number: JA58043
 Account: FLSNYYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2197-ICV2195
 Lab FileID: 3D50578.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3D50578.D
 Acq On : 17 Sep 2010 12:37 pm
 Sample : ICV2195-50
 Misc : MS2173,V3D2197,W,,,,,1
 MS Integration Params: rteint.p

Vial: 4
 Operator: TAMIKAG
 Inst : MS3D
 Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M3D2195.M (RTE Integrator)
 Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 Last Update : Thu Sep 16 16:32:30 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	107	0.00	7.00
2	1,4-dioxane	0.132	0.135	-2.3	110	0.00	10.85
3 M	tertiary butyl alcohol	1.487	1.467	1.3	102	0.00	7.11
4 I	pentafluorobenzene	1.000	1.000	0.0	110	0.00	9.21
5	chlorodifluoromethane	0.763	0.772	-1.2	118	0.00	3.74
6	dichlorodifluoromethane	1.148	1.159	-1.0	118	0.00	3.71
7	chloromethane	1.304	1.186	9.0	108	0.00	4.04
8	vinyl chloride	1.180	1.105	6.4	109	0.00	4.28
9	bromomethane	0.722	0.686	5.0	114	0.00	4.89
10	chloroethane	0.552	0.513	7.1	114	0.01	5.06
11	vinyl bromide	-----NA-----					
12	trichlorofluoromethane	1.072	1.054	1.7	115	-0.02	5.48
13	ethyl ether	0.362	0.352	2.8	107	0.00	5.89
14	acrolein	0.122	0.121	0.8	113	0.00	6.15
15	1,1-dichloroethene	0.662	0.618	6.6	112	0.00	6.30
----- True Calc. % Drift -----							
16	acetone	50.000	45.818	8.4	101	0.00	6.43
----- AvgRF CCRF % Dev -----							
17	allyl chloride	0.363	0.326	10.2	103	0.00	6.82
18	acetonitrile	0.056	0.051	8.9	103	0.00	6.81
19	iodomethane	1.310	1.244	5.0	112	0.00	6.57
20	iso-butyl alcohol	0.150	0.137	8.7	112	0.00	9.37
21	carbon disulfide	2.506	2.185	12.8	105	0.00	6.69
22	methylene chloride	0.780	0.736	5.6	114	0.00	7.02
----- True Calc. % Drift -----							
23	methyl acetate	50.000	44.259	11.5	99	0.00	6.83
----- AvgRF CCRF % Dev -----							
24	methyl tert butyl ether	2.029	1.942	4.3	113	0.00	7.32
25	trans-1,2-dichloroethene	0.731	0.651	10.9	107	0.00	7.38
26	di-isopropyl ether	2.357	2.098	11.0	103	0.00	7.91
27	ethyl tert-butyl ether	2.213	2.008	9.3	104	0.00	8.38
28	2-butanone	0.064	0.064	0.0	109	0.00	8.68
29 M	1,1-dichloroethane	1.320	1.227	7.0	114	0.00	7.94
30	chloroprene	0.816	0.775	5.0	106	0.00	8.05
31	acrylonitrile	0.243	0.224	7.8	103	0.00	7.35
----- True Calc. % Drift -----							

Initial Calibration Verification

Job Number: JA58043
 Account: FLSNYYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2197-ICV2195
 Lab FileID: 3D50578.D

32	vinyl acetate	50.000	46.236	7.5	102	0.00	7.95
	----- AvgRF	CCRF	% Dev	-----			
33	ethyl acetate	0.090	0.085	5.6	97	0.00	8.68
34	2,2-dichloropropane	1.039	1.035	0.4	122	0.00	8.67
35	cis-1,2-dichloroethene	0.791	0.822	-3.9	124	0.00	8.68
36	propionitrile	0.091	0.085	6.6	106	0.00	8.76
37	bromochloromethane	0.383	0.380	0.8	115	0.00	8.99
38	tetrahydrofuran	0.227	0.200	11.9	108	0.00	9.04
39	chloroform	1.203	1.178	2.1	115	0.00	9.05
40	Tert-Butyl Formate	0.630	0.602	4.4	105	0.00	9.08
41 S	dibromofluoromethane (s)	0.683	0.617	9.7	104	0.00	9.25
42 S	1,2-dichloroethane-d4 (s)	0.710	0.643	9.4	101	0.00	9.67
43	freon 113	0.538	0.541	-0.6	116	0.00	6.27
44	methacrylonitrile	0.381	0.353	7.3	107	0.00	8.95
45	1,1,1-trichloroethane	1.077	1.020	5.3	117	0.00	9.29
46	tert amyl alcohol			-----NA-----			
47	2,2,4-Trimethylpentane	2.576	2.424	5.9	110	0.00	9.72
48	tert-amyl methyl ether	2.148	1.997	7.0	104	0.00	9.76
49 I	1,4-difluorobenzene	1.000	1.000	0.0	109	0.00	10.12
50	epichlorohydrin	0.039	0.034	12.8	101	0.00	11.40
51	n-butyl alcohol	0.012	0.010	16.7	100	0.00	10.27
52 M	cyclohexane	0.703	0.642	8.7	114	0.00	9.35
53	carbon tetrachloride	0.614	0.599	2.4	118	0.00	9.49
54	1,1-dichloropropene	0.618	0.607	1.8	116	0.00	9.47
55	hexane	0.505	0.512	-1.4	112	0.00	7.67
56 M	benzene	1.893	1.781	5.9	112	0.00	9.73
57	heptane	0.289	0.291	-0.7	111	0.00	9.90
	----- True	Calc.	% Drift	-----			
58	isopropyl acetate	50.000	44.344	11.3	98	0.00	9.67
	----- AvgRF	CCRF	% Dev	-----			
59	1,2-dichloroethane	0.563	0.518	8.0	110	0.00	9.76
60	trichloroethene	0.478	0.465	2.7	118	0.00	10.45
61	tert amyl ethyl ether			-----NA-----			
62	2-nitropropane			-----NA-----			
63	2-chloroethyl vinyl ether	0.260	0.232	10.8	96	0.00	11.27
64	methyl methacrylate	0.642	0.608	5.3	109	0.00	10.74
65	1,2-dichloropropane	0.480	0.453	5.6	111	0.00	10.73
66	methylcyclohexane	0.737	0.712	3.4	112	0.00	10.66
67	dibromomethane	0.295	0.278	5.8	113	0.00	10.89
68	bromodichloromethane	0.619	0.582	6.0	114	0.00	11.03
69	cis-1,3-dichloropropene	0.767	0.678	11.6	104	0.00	11.49
70 S	toluene-d8 (s)	1.555	1.411	9.3	106	0.00	11.77
71	4-methyl-2-pentanone	0.151	0.151	0.0	107	0.00	11.59
72	toluene	1.147	1.051	8.4	113	0.00	11.84
73	3-methyl-1-butanol	0.010	0.009#	10.0	101	0.00	11.62
74	trans-1,3-dichloropropene	0.639	0.582	8.9	104	0.00	12.06
75	ethyl methacrylate	0.521	0.484	7.1	111	0.00	12.05
76	1,1,2-trichloroethane	0.347	0.323	6.9	113	0.00	12.27
77	2-hexanone	0.152	0.148	2.6	114	0.00	12.45
78 I	chlorobenzene-d5	1.000	1.000	0.0	111	0.00	13.30
79	tetrachloroethene	0.614	0.613	0.2	121	0.00	12.43
80	1,3-dichloropropane	0.768	0.707	7.9	110	0.00	12.45
81	butyl acetate	0.282	0.269	4.6	103	0.00	12.53
82	3,3-Dimethyl-1-Butanol	0.050	0.042	16.0	100	0.00	12.63
83	dibromochloromethane	0.593	0.536	9.6	108	0.00	12.72

Initial Calibration Verification

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Job Number: JA58043
 Account: FLSNYYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2197-ICV2195
 Lab FileID: 3D50578.D

84	1,2-dibromoethane	0.496	0.468	5.6	111	0.00	12.87
85	n-Butyl Ether	-----NA-----					
86	chlorobenzene	1.440	1.393	3.3	114	0.00	13.33
87	1,1,1,2-tetrachloroethane	0.562	0.536	4.6	116	0.00	13.39
88	ethylbenzene	2.399	2.296	4.3	113	0.00	13.38
89	m,p-xylene	0.954	0.895	6.2	115	0.00	13.49
90	o-xylene	0.940	0.903	3.9	116	0.00	13.90
91	styrene	1.564	1.485	5.1	113	0.00	13.92
92	Butyl Acrylate	-----NA-----					
93	bromoform	0.396	0.358	9.6	107	0.00	14.19
94 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	15.62
95	isopropylbenzene	4.502	4.307	4.3	118	0.00	14.25
96 S	4-bromofluorobenzene (s)	1.208	1.076	10.9	103	0.00	14.46
97	bromobenzene	1.198	1.140	4.8	115	0.00	14.65
----- True Calc. % Drift -----							
98	cyclohexanone	500.000	271.455	45.7#	59	0.00	14.42
----- AvgRF CCRF % Dev -----							
99	1,1,2,2-tetrachloroethane	1.207	1.104	8.5	112	0.00	14.57
100	trans-1,4-dichloro-2-bute	0.263	0.058	77.9#	26#	0.00	14.61
101	1,2,3-trichloropropane	0.263	0.246	6.5	113	0.00	14.64
102	n-propylbenzene	5.153	4.803	6.8	113	0.00	14.65
103	4-Ethyltoluene	-----NA-----					
104	2-chlorotoluene	1.089	1.035	5.0	118	0.00	14.80
105	4-chlorotoluene	1.098	1.020	7.1	114	0.00	14.91
106	1,3,5-trimethylbenzene	3.613	3.466	4.1	115	0.00	14.81
107	tert-butylbenzene	3.136	2.961	5.6	116	0.00	15.15
108	pentachloroethane	0.804	0.776	3.5	117	0.00	15.24
109	1,2,4-trimethylbenzene	3.621	3.452	4.7	115	0.00	15.20
110	sec-butylbenzene	4.911	4.569	7.0	116	0.00	15.37
111	1,3-dichlorobenzene	2.179	2.135	2.0	118	0.00	15.56
112	p-isopropyltoluene	3.865	3.839	0.7	120	0.00	15.49
113	1,4-dichlorobenzene	2.320	2.207	4.9	116	0.00	15.64
114	1,2-dichlorobenzene	2.197	2.110	4.0	116	0.00	16.02
115	1,4-Diethylbenzene	-----NA-----					
116	n-butylbenzene	2.120	2.030	4.2	120	0.00	15.90
117	1,2,4,5-Tetramethylbenzen	-----NA-----					
118	1,2-dibromo-3-chloropropa	0.208	0.190	8.7	109	0.00	16.76
119	1,3,5-trichlorobenzene	1.937	1.913	1.2	117	0.00	16.93
120	1,2,4-trichlorobenzene	1.805	1.794	0.6	112	0.00	17.50
121	hexachlorobutadiene	0.983	0.957	2.6	116	0.00	17.60
122	naphthalene	3.840	3.818	0.6	110	0.00	17.75
123	1,2,3-trichlorobenzene	1.643	1.634	0.5	110	0.00	17.97
124	hexachloroethane	0.855	0.792	7.4	113	0.00	16.26
125	Benzyl chloride	2.254	2.089	7.3	108	0.00	15.76

(#) = Out of Range
 3D50541.D M3D2195.M

SPCC's out = 0 CCC's out = 0
 Fri Sep 17 13:08:31 2010 MS3D

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58043
 Account: FLSNYYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2233-CC2195
 Lab FileID: 3D51504.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\3D...\V3D2233-35\3D51504.D Vial: 28
 Acq On : 10 Oct 2010 4:10 am Operator: TAMIKAG
 Sample : CC2195-50 Inst : MS3D
 Misc : MS3105,V3D2233,W,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3D2195.M (RTE Integrator)
 Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 Last Update : Thu Sep 16 16:32:30 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	101	0.00	6.99
2	1,4-dioxane	0.132	0.147	-11.4	114	0.00	10.85
3 M	tertiary butyl alcohol	1.487	1.567	-5.4	103	0.00	7.11
4 I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.20
5	chlorodifluoromethane	0.763	0.730	4.3	111	0.00	3.73
6	dichlorodifluoromethane	1.148	1.183	-3.0	119	0.00	3.71
7	chloromethane	1.304	0.961	26.3#	87	0.00	4.04
8	vinyl chloride	1.180	0.955	19.1	93	0.00	4.28
9	bromomethane	0.722	0.628	13.0	103	0.00	4.89
10	chloroethane	0.552	0.494	10.5	109	0.00	5.05
11	vinyl bromide	-----NA-----					
12	trichlorofluoromethane	1.072	1.245	-16.1	135	-0.01	5.49
13	ethyl ether	0.362	0.324	10.5	97	0.00	5.89
14	acrolein	0.122	0.084	31.1#	78	0.00	6.15
15	1,1-dichloroethene	0.662	0.608	8.2	109	0.00	6.30
----- True Calc. % Drift -----							
16	acetone	50.000	44.645	10.7	98	0.00	6.42
----- AvgRF CCRF % Dev -----							
17	allyl chloride	0.363	0.295	18.7	93	0.00	6.82
18	acetonitrile	0.056	0.049	12.5	98	0.00	6.81
19	iodomethane	1.310	1.176	10.2	105	0.00	6.57
20	iso-butyl alcohol	0.150	0.134	10.7	108	0.00	9.37
21	carbon disulfide	2.506	2.246	10.4	107	0.00	6.69
22	methylene chloride	0.780	0.673	13.7	104	0.00	7.01
----- True Calc. % Drift -----							
23	methyl acetate	50.000	40.696	18.6	89	0.00	6.84
----- AvgRF CCRF % Dev -----							
24	methyl tert butyl ether	2.029	1.892	6.8	109	0.00	7.32
25	trans-1,2-dichloroethene	0.731	0.656	10.3	107	0.00	7.37
26	di-isopropyl ether	2.357	1.896	19.6	92	0.00	7.91
27	ethyl tert-butyl ether	2.213	1.948	12.0	100	0.00	8.38
28	2-butanone	0.064	0.061	4.7	102	0.00	8.68
29 M	1,1-dichloroethane	1.320	1.152	12.7	106	0.00	7.94
30	chloroprene	0.816	0.768	5.9	104	0.00	8.05
31	acrylonitrile	0.243	0.211	13.2	96	0.00	7.35
----- True Calc. % Drift -----							

Continuing Calibration Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2233-CC2195
Lab FileID: 3D51504.D

32	vinyl acetate	50.000	34.426	31.1#	71	0.01	7.96
	----- AvgRF	CCRF	% Dev	-----			
33	ethyl acetate	0.090	0.079	12.2	89	0.00	8.69
34	2,2-dichloropropane	1.039	0.704	32.2#	82	0.00	8.67
35	cis-1,2-dichloroethene	0.791	0.701	11.4	105	0.00	8.68
36	propionitrile	0.091	0.083	8.8	103	0.00	8.76
37	bromochloromethane	0.383	0.350	8.6	105	0.00	8.99
38	tetrahydrofuran	0.227	0.177	22.0#	95	0.00	9.04
39	chloroform	1.203	1.186	1.4	115	0.00	9.04
40	Tert-Butyl Formate	0.630	0.477	24.3#	82	0.00	9.07
41 S	dibromofluoromethane (s)	0.683	0.578	15.4	96	0.00	9.25
42 S	1,2-dichloroethane-d4 (s)	0.710	0.626	11.8	97	0.00	9.67
43	freon 113	0.538	0.509	5.4	108	0.00	6.26
44	methacrylonitrile	0.381	0.320	16.0	96	0.00	8.94
45	1,1,1-trichloroethane	1.077	1.081	-0.4	123	0.00	9.29
46	tert amyl alcohol			-----NA-----			
47	2,2,4-Trimethylpentane	2.576	1.885	26.8#	85	0.00	9.72
48	tert-amyl methyl ether	2.148	1.878	12.6	97	0.00	9.76
49 I	1,4-difluorobenzene	1.000	1.000	0.0	98	0.00	10.12
50	epichlorohydrin	0.039	0.032	17.9	86	0.00	11.40
51	n-butyl alcohol	0.012	0.011	8.3	95	0.00	10.27
52 M	cyclohexane	0.703	0.691	1.7	109	0.00	9.35
53	carbon tetrachloride	0.614	0.704	-14.7	124	0.00	9.48
54	1,1-dichloropropene	0.618	0.654	-5.8	112	0.00	9.47
55	hexane	0.505	0.437	13.5	85	0.00	7.66
56 M	benzene	1.893	1.886	0.4	106	0.00	9.73
57	heptane	0.289	0.219	24.2#	75	0.00	9.90
	----- True	Calc.	% Drift	-----			
58	isopropyl acetate	50.000	43.729	12.5	87	0.00	9.67
	----- AvgRF	CCRF	% Dev	-----			
59	1,2-dichloroethane	0.563	0.636	-13.0	121	0.00	9.75
60	trichloroethene	0.478	0.503	-5.2	114	0.00	10.45
61	tert amyl ethyl ether			-----NA-----			
62	2-nitropropane			-----NA-----			
63	2-chloroethyl vinyl ether	0.260	0.250	3.8	92	0.00	11.27
64	methyl methacrylate	0.642	0.662	-3.1	106	0.00	10.74
65	1,2-dichloropropane	0.480	0.464	3.3	102	0.00	10.72
66	methylcyclohexane	0.737	0.694	5.8	97	0.00	10.66
67	dibromomethane	0.295	0.299	-1.4	109	0.00	10.89
68	bromodichloromethane	0.619	0.637	-2.9	111	0.00	11.02
69	cis-1,3-dichloropropene	0.767	0.694	9.5	96	0.00	11.48
70 S	toluene-d8 (s)	1.555	1.396	10.2	94	0.00	11.77
71	4-methyl-2-pentanone	0.151	0.155	-2.6	98	0.00	11.59
72	toluene	1.147	1.086	5.3	105	0.00	11.84
73	3-methyl-1-butanol	0.010	0.009#	10.0	96	0.00	11.62
74	trans-1,3-dichloropropene	0.639	0.614	3.9	98	0.00	12.06
75	ethyl methacrylate	0.521	0.490	6.0	100	0.00	12.05
76	1,1,2-trichloroethane	0.347	0.327	5.8	103	0.00	12.27
77	2-hexanone	0.152	0.143	5.9	99	0.00	12.45
78 I	chlorobenzene-d5	1.000	1.000	0.0	95	0.00	13.30
79	tetrachloroethene	0.614	1.056	-72.0#	179	0.00	12.43
80	1,3-dichloropropane	0.768	0.769	-0.1	103	0.00	12.45
81	butyl acetate	0.282	0.278	1.4	92	0.00	12.52
82	3,3-Dimethyl-1-Butanol	0.050	0.044	12.0	90	0.00	12.62
83	dibromochloromethane	0.593	0.624	-5.2	108	0.00	12.71

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: V3D2233-CC2195
Lab FileID: 3D51504.D

84	1,2-dibromoethane	0.496	0.515	-3.8	105	0.00	12.86
85	n-Butyl Ether	-----NA-----					
86	chlorobenzene	1.440	1.457	-1.2	102	0.00	13.32
87	1,1,1,2-tetrachloroethane	0.562	0.589	-4.8	110	0.00	13.39
88	ethylbenzene	2.399	2.499	-4.2	106	0.00	13.38
89	m,p-xylene	0.954	0.935	2.0	103	0.00	13.49
90	o-xylene	0.940	0.916	2.6	101	0.00	13.90
91	styrene	1.564	1.554	0.6	102	0.00	13.92
92	Butyl Acrylate	-----NA-----					
93	bromoform	0.396	0.419	-5.8	107	0.00	14.18
94 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	92	0.00	15.62
95	isopropylbenzene	4.502	4.775	-6.1	107	0.00	14.25
96 S	4-bromofluorobenzene (s)	1.208	1.183	2.1	92	0.00	14.46
97	bromobenzene	1.198	1.258	-5.0	103	0.00	14.64
----- True Calc. % Drift -----							
98	cyclohexanone	500.000	859.129	-71.8#	115	0.00	14.41
----- AvgRF CCRF % Dev -----							
99	1,1,2,2-tetrachloroethane	1.207	1.148	4.9	95	0.00	14.57
100	trans-1,4-dichloro-2-bute	0.263	0.140	46.8#	51	0.00	14.61
101	1,2,3-trichloropropane	0.263	0.297	-12.9	111	0.00	14.63
102	n-propylbenzene	5.153	5.456	-5.9	105	0.00	14.65
103	4-Ethyltoluene	-----NA-----					
104	2-chlorotoluene	1.089	1.112	-2.1	104	0.00	14.80
105	4-chlorotoluene	1.098	1.118	-1.8	102	0.00	14.90
106	1,3,5-trimethylbenzene	3.613	4.005	-10.8	109	0.00	14.81
107	tert-butylbenzene	3.136	3.334	-6.3	107	0.00	15.15
108	pentachloroethane	0.804	0.183	77.2#	22#	0.00	15.24
109	1,2,4-trimethylbenzene	3.621	3.932	-8.6	107	0.00	15.20
110	sec-butylbenzene	4.911	5.077	-3.4	106	0.00	15.37
111	1,3-dichlorobenzene	2.179	2.315	-6.2	105	0.00	15.56
112	p-isopropyltoluene	3.865	4.177	-8.1	106	0.00	15.49
113	1,4-dichlorobenzene	2.320	2.435	-5.0	105	0.00	15.64
114	1,2-dichlorobenzene	2.197	2.311	-5.2	104	0.00	16.02
115	1,4-Diethylbenzene	-----NA-----					
116	n-butylbenzene	2.120	2.124	-0.2	102	0.00	15.90
117	1,2,4,5-Tetramethylbenzen	-----NA-----					
118	1,2-dibromo-3-chloropropa	0.208	0.236	-13.5	111	0.00	16.76
119	1,3,5-trichlorobenzene	1.937	1.993	-2.9	100	0.00	16.93
120	1,2,4-trichlorobenzene	1.805	1.926	-6.7	98	0.00	17.50
121	hexachlorobutadiene	0.983	1.047	-6.5	103	0.00	17.60
122	naphthalene	3.840	4.124	-7.4	97	0.00	17.75
123	1,2,3-trichlorobenzene	1.643	1.723	-4.9	95	0.00	17.97
124	hexachloroethane	0.855	0.806	5.7	94	0.00	16.26
125	Benzyl chloride	2.254	1.159	48.6#	49#	0.00	15.76

(#) = Out of Range
 3D50541.D M3D2195.M

SPCC's out = 0 CCC's out = 0
 Tue Oct 12 13:06:18 2010 VOA-05

Initial Calibration Summary

Page 1 of 6

Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICC4387
Lab FileID: Y103257.D

Response Factor Report MSY

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration

Calibration Files

1 =Y103253.D 10 =Y103262.D 100 =Y103258.D 50 =Y103257.D
20 =Y103256.D 200 =Y103259.D 5 =Y103251.D 2 =Y103252.D
0.5 =Y103254.D =

Compound	1	10	100	50	20	200	5	2	0.5	Avg	%RSD
1) I Tert Butyl Alcohol-d9 -----ISTD-----											
2) tertiary butyl alcohol											
	1.812	1.880	1.771	1.760	1.936	1.709				1.811	4.62
3) 1,4-dioxane											
	0.087	0.126	0.114	0.107	0.129	0.068				0.105	22.30
----- Linear regression ----- Coefficient =									0.9997		
Response Ratio = -0.02457 + 0.13087 *A											
4) I pentafluorobenzene -----ISTD-----											
5) freon 115										0.000#	-1.00
6) freon 23										0.000#	-1.00
7) freon 143A										0.000#	-1.00
8) freon 152A										0.000#	-1.00
9) chlorotrifluoroethene										0.000#	-1.00
10) chlorodifluoromethane										0.649	4.56
	0.696	0.644	0.609	0.650	0.631	0.664					
11) dichlorodifluoromethane										0.777	2.85
	0.761	0.804	0.743	0.783	0.778	0.792					
12) chloromethane										0.936	4.76
	0.857	0.972	0.951	0.891	0.965	0.925	1.002	0.909	0.951		
13) freon 114										0.000#	-1.00
14) freon 142B										0.000#	-1.00
15) vinyl chloride										0.793	7.29
	0.673	0.822	0.840	0.785	0.854	0.819	0.816	0.728	0.796		
16) Acetaldehyde										0.000#	-1.00
17) bromomethane										0.519	9.79
	0.537	0.525	0.504	0.548	0.412	0.548	0.561				
18) chloroethane										0.487	3.87
	0.489	0.506	0.472	0.510	0.481	0.492	0.456				
19) Vinyl Bromide										0.000#	-1.00
20) trichlorofluoromethane										0.844	2.95
	0.840	0.873	0.819	0.873	0.840	0.817					
21) Pentane										1.044	4.18
	1.064	1.040	0.987	1.100	0.999	1.071					

Initial Calibration Summary

Job Number: JA58043
Account: FLSNyny Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICC4387
Lab FileID: Y103257.D

22)	ethyl ether	0.401 0.408 0.386 0.409 0.386 0.404 0.392	0.398	2.43
23)	freon 141B		0.000#	-1.00
24)	freon 123A		0.000#	-1.00
25)	freon 123		0.000#	-1.00
26)	acrolein	0.116 0.100 0.110 0.122 0.125 0.113	0.114	8.05
27)	1,1-dichloroethene	0.497 0.560 0.537 0.510 0.540 0.523 0.531 0.517	0.527	3.75
28)	acetone	0.087 0.072 0.064 0.058 0.028	0.062	35.40
----- Linear regression ----- Coefficient = 0.9939 Response Ratio = -0.00337 + 0.07252 *A				
29)	allyl chloride	0.115 0.117 0.109 0.113 0.112 0.107	0.112	3.18
30)	acetonitrile	0.035 0.047 0.043 0.043 0.045	0.043	11.21
31)	iodomethane	0.823 0.992 0.968 0.911 0.962 0.946 0.923 0.884	0.926	5.83
32)	iso-butyl alcohol		0.000#	-1.00
33)	carbon disulfide	1.896 2.044 1.927 1.850 1.969 1.884 1.912 1.815 1.485	1.865	8.43
34)	methylene chloride	0.650 0.669 0.632 0.606 0.649 0.610 0.644 0.628 0.630	0.635	3.15
35)	methyl acetate	0.317 0.437 0.408 0.434 0.416 0.420	0.405	10.98
36)	methyl tert butyl ether	1.434 1.638 1.657 1.581 1.682 1.544 1.597 1.555 1.320	1.556	7.38
37)	trans-1,2-dichloroethene	0.526 0.625 0.593 0.571 0.613 0.571 0.592 0.560	0.581	5.40
38)	di-isopropyl ether	2.096 2.140 2.001 2.198 1.992 2.153 2.179 1.944	2.088	4.60
39)	2-butanone	0.065 0.082 0.068 0.055 0.065	0.067	14.59
40)	1,1-dichloroethane	0.947 1.130 1.114 1.059 1.114 1.080 1.016 1.044	1.063	5.74
41)	chloroprene	0.761 0.747 0.733 0.804 0.707 0.761	0.752	4.32
42)	acrylonitrile	0.180 0.203 0.198 0.196 0.190 0.175	0.190	5.74
43)	vinyl acetate		0.000#	-1.00
44)	ethyl tert-butyl ether	1.681 1.796 1.690 1.810 1.657 1.670 1.593	1.700	4.55
45)	ethyl acetate		0.000#	-1.00
46)	2,2-dichloropropane	0.766 0.898 0.863 0.824 0.878 0.828 0.849 0.857	0.845	4.76
47)	cis-1,2-dichloroethene	0.540 0.687 0.656 0.628 0.659 0.631 0.629 0.635	0.633	6.78
48)	propionitrile	0.066 0.081 0.077 0.077 0.076 0.066	0.074	8.27
49)	bromochloromethane	0.297 0.301 0.286 0.301 0.290 0.269	0.291	4.19
50)	tetrahydrofuran			

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Initial Calibration Summary

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICC4387
Lab FileID: Y103257.D

	0.208	0.197	0.171	0.187	0.187	0.309		0.210	23.81
	----- Linear regression -----						Coefficient =	0.9982	
	Response Ratio = 0.00361 + 0.18665 *A								
51)	chloroform								
	1.001	1.041	0.982	0.948	1.015	0.943	0.984	1.015	0.848
52)	tert-butyl formate							0.975	5.87
	0.417	0.482	0.453	0.484	0.443	0.441	0.361	0.440	9.55
53)	dibromofluoromethane (s)								
	0.557	0.531	0.503	0.548	0.507			0.529	4.53
54)	1,2-dichloroethane-d4 (s)								
	0.653	0.577	0.552	0.610	0.546			0.587	7.56
55)	freon 113								
	0.421	0.441	0.411	0.446	0.424	0.409		0.426	3.62
56)	methacrylonitrile								
	0.140	0.226	0.205	0.193	0.218			0.196	17.39
	----- Linear regression -----						Coefficient =	0.9990	
	Response Ratio = -0.01189 + 0.22281 *A								
57)	1,1,1-trichloroethane								
	0.742	0.872	0.829	0.798	0.844	0.810	0.830	0.827	0.819
58)	Cyclohexane								4.65
	1.167	0.954	0.930	1.162	0.922	1.219		1.059	12.96
59)	I 1,4-difluorobenzene	-----ISTD-----							
60)	epichlorohydrin								
	0.029	0.037	0.036	0.035	0.034	0.040		0.035	10.23
61)	n-butyl alcohol								
	0.017	0.016	0.015	0.016	0.015	0.014	0.016	0.016	5.24
62)	carbon tetrachloride								
	0.509	0.469	0.435	0.425	0.455	0.418	0.456	0.456	0.453
63)	1,1-dichloropropene								6.33
	0.478	0.533	0.496	0.486	0.519	0.474	0.499	0.468	0.494
64)	hexane								4.57
	0.090	0.092	0.090	0.095	0.091	0.082		0.090	5.12
65)	Tert Amyl Alcohol								
								0.000#	-1.00
66)	benzene								
	1.503	1.629	1.520	1.500	1.584	1.433	1.566	1.575	1.539
67)	2,2,4-trimethylpentane								4.01
	1.537	1.379	1.366	1.567	1.302	1.572	1.403	1.447	7.59
68)	tert-amyl methyl ether								
	0.967	0.989	0.965	1.060	0.872	1.025	0.942	0.974	6.19
69)	heptane								
	0.346	0.330	0.321	0.358	0.359	0.362		0.346	4.94
70)	isopropyl acetate								
	0.173	0.200	0.190	0.203	0.177	0.177		0.187	6.86
71)	1,2-dichloroethane								
	0.299	0.447	0.421	0.419	0.446	0.390	0.408	0.352	0.398
72)	Di-isobutylene								12.62
								0.000#	-1.00
73)	trichloroethene								
	0.319	0.378	0.367	0.358	0.377	0.350	0.363	0.352	0.358
74)	Tert Amyl Ethyl Ether								5.30
								0.000#	-1.00
75)	2-nitropropane								
								0.000#	-1.00
76)	2-chloroethyl vinyl ether								
	0.131	0.177	0.162	0.160	0.164	0.132		0.154	12.23
77)	ethyl acrylate								

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Initial Calibration Summary

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Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICC4387
Lab FileID: Y103257.D

		0.561	0.513	0.502	0.566	0.481	0.551	0.566	0.534	6.56
78)	methyl methacrylate									
		0.234	0.265	0.256	0.260	0.251	0.230		0.249	5.76
79)	1,2-dichloropropane									
		0.340	0.421	0.406	0.399	0.422	0.383	0.396	0.390	7.54
80)	dibromomethane									
		0.198	0.201	0.196	0.205	0.189	0.184		0.195	3.95
81)	methylcyclohexane									
		0.669	0.653	0.633	0.693	0.623	0.669	0.590	0.647	5.33
82)	bromodichloromethane									
		0.424	0.492	0.479	0.464	0.496	0.459	0.468	0.465	5.37
83)	cis-1,3-dichloropropene									
		0.681	0.660	0.650	0.684	0.625	0.648	0.580	0.647	5.56
84)	toluene-d8 (s)									
		1.480	1.327	1.311	1.420	1.242			1.356	6.94
85)	4-methyl-2-pentanone									
		0.118	0.140	0.134	0.148	0.141	0.079		0.126	20.13
	----- Linear regression -----	Coefficient = 0.9997								
	Response Ratio = -0.00397 + 0.14173 *A									
86)	toluene									
		0.861	1.030	0.949	0.934	0.988	0.895	0.946	0.944	5.48
87)	3-methyl-1-butanol									
		0.016	0.019	0.019	0.019	0.018	0.024		0.019	14.15
88)	trans-1,3-dichloropropene									
		0.559	0.584	0.562	0.584	0.556	0.531	0.484	0.551	6.31
89)	ethyl methacrylate									
		0.495	0.513	0.490	0.515	0.477	0.454		0.491	4.72
90)	1,1,2-trichloroethane									
		0.198	0.271	0.273	0.265	0.278	0.256	0.270	0.258	9.95
91)	2-hexanone									
		0.198	0.156	0.148	0.172	0.140	0.121		0.156	17.09
	----- Linear regression -----	Coefficient = 0.9967								
	Response Ratio = 0.01052 + 0.14007 *A									
92)	I chlorobenzene-d5	-----ISTD-----								
93)	tetrachloroethene									
		0.282	0.378	0.350	0.347	0.369	0.342	0.355	0.341	9.65
94)	1,3-dichloropropane									
		0.520	0.652	0.616	0.616	0.652	0.572	0.629	0.600	8.30
95)	butyl acetate									
		0.176	0.269	0.242	0.229	0.256	0.148		0.220	21.65
	----- Linear regression -----	Coefficient = 0.9988								
	Response Ratio = -0.01112 + 0.26122 *A									
96)	3,3-dimethyl-1-butanol									
		0.042	0.047	0.045	0.046	0.044	0.043		0.045	4.51
97)	dibromochloromethane									
		0.311	0.401	0.394	0.387	0.408	0.372	0.399	0.377	8.95
98)	1,2-dibromoethane									
		0.244	0.342	0.348	0.342	0.359	0.332	0.335	0.322	12.58
99)	chlorobenzene									
		1.150	1.230	1.164	1.143	1.225	1.119	1.188	1.138	7.77
100)	n-butyl ether									
									0.000#	-1.00
101)	1,1,1,2-tetrachloroethane									
		0.383	0.432	0.399	0.395	0.426	0.380	0.415	0.400	5.50
102)	ethylbenzene									
		2.040	2.101	1.915	1.912	2.053	1.806	1.989	1.931	6.52

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Initial Calibration Summary

Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICC4387
Lab FileID: Y103257.D

103)	m,p-xylene	0.774	0.819	0.742	0.748	0.810	0.712	0.803	0.761	0.771	4.86
104)	o-xylene	0.701	0.844	0.768	0.767	0.818	0.735	0.794	0.741	0.771	6.04
105)	styrene	1.101	1.407	1.304	1.297	1.390	1.232	1.296	1.177	1.276	8.07
106)	bromoform	0.261	0.282	0.270	0.280	0.272	0.266			0.272	3.00
107)	I 1,4-dichlorobenzene-d	-----ISTD-----									
108)	isopropylbenzene	4.256	4.461	3.998	3.987	4.267	3.792	4.239	4.213	3.680	4.099 6.16
109)	4-bromofluorobenzene (s)	1.322	1.117	1.108	1.201	1.058				1.161	8.93
110)	cyclohexanone									0.000#	-1.00
111)	bromobenzene	0.910	1.081	1.005	0.992	1.063	0.956	0.964	0.910	0.985	6.46
112)	1,1,2,2-tetrachloroethane	0.943	1.001	0.978	0.968	1.024	0.916	1.035	0.961	0.904	0.970 4.64
113)	trans-1,4-dichloro-2-butene	0.236	0.258	0.250	0.251	0.240	0.213			0.241	6.59
114)	1,2,3-trichloropropane	0.257	0.255	0.251	0.272	0.231	0.260	0.211		0.248	8.29
115)	n-propylbenzene	4.796	5.095	4.540	4.558	4.873	4.304	4.744	4.670	4.216	4.644 5.93
116)	4-Ethyltoluene	3.917	3.787	3.577	4.005	3.601	3.736	3.596		3.745	4.50
117)	2-chlorotoluene	0.956	1.026	0.927	0.921	0.996	0.878	0.981	0.927	0.951	5.01
118)	4-chlorotoluene	3.295	3.031	2.783	2.725	2.891	2.662	2.886	3.141	2.927	7.38
119)	1,3,5-trimethylbenzene	3.716	3.196	3.251	3.590	3.010	3.660	3.910		3.476	9.38
120)	tert-butylbenzene	3.084	3.141	2.884	2.833	3.044	2.779	2.989	2.860	2.657	2.919 5.38
121)	pentachloroethane	0.597	0.669	0.619	0.618	0.655	0.591	0.659	0.602	0.626	4.84
122)	1,2,4-trimethylbenzene	3.469	3.602	3.319	3.312	3.419	3.158	3.459	3.412	3.052	3.356 5.00
123)	sec-butylbenzene	4.618	4.770	4.357	4.342	4.655	4.187	4.524	4.449	4.488	4.26
124)	1,3-dichlorobenzene	1.735	2.026	1.877	1.859	1.947	1.792	1.802	1.791	1.573	1.822 7.08
125)	p-isopropyltoluene	3.602	3.871	3.662	3.599	3.797	3.546	3.522	3.462	3.633	3.84
126)	1,4-dichlorobenzene	2.213	2.139	1.960	1.915	2.076	1.882	2.041	2.069	2.013	2.034 5.19
127)	1,2-dichlorobenzene	1.722	1.980	1.863	1.847	1.942	1.777	1.841	1.779	1.393	1.794 9.51
128)	benzyl chloride	1.670	2.016	1.867	1.890	1.884	1.753			1.847	6.51
129)	1,4-Diethylbenzene	2.183	2.267	2.135	2.303	2.202	2.143	1.919		2.164	5.76
130)	n-butylbenzene	1.888	1.863	1.822	1.897	1.807	1.695	1.480		1.779	8.34
131)	1,2,4,5-Tetramethylbenzene	3.389	3.632	3.363	3.568	3.478	3.171	2.931		3.362	7.20
132)	1,2-dibromo-3-chloropropane	0.142	0.171	0.167	0.167	0.166	0.154			0.161	6.75

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Initial Calibration Summary

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Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICC4387
Lab FileID: Y103257.D

133)	1,3,5-trichlorobenzene	1.261 1.631 1.671 1.610 1.658 1.637 1.422 1.409	1.537	9.90
134)	1,2,4-trichlorobenzene	1.246 1.497 1.400 1.356 1.459 0.987	1.324	14.11
135)	hexachlorobutadiene	0.685 0.891 0.810 0.816 0.842 0.766 0.794 0.744	0.793	7.91
136)	naphthalene	2.161 2.797 2.548 2.334 2.727 1.645	2.369	18.02
	----- Linear regression -----	Coefficient = 0.9995		
	Response Ratio = -0.13060 + 2.77422 *A			
137)	1,2,3-trichlorobenzene	1.117 1.348 1.257 1.221 1.290 0.926	1.193	12.72
138)	hexachloroethane	0.490 0.628 0.615 0.597 0.622 0.613 0.598 0.559	0.590	7.77

(#) = Out of Range ### Number of calibration levels exceeded format ###

MYS4387.M

Wed Sep 08 16:05:02 2010

RPT1

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Initial Calibration Verification

Job Number: JA58043
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICV4387
 Lab FileID: Y103264.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\Y103264.D Vial: 15
 Acq On : 1 Sep 2010 6:00 pm Operator: alexm1
 Sample : ICV4387-50 Inst : MSY
 Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
 Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 Last Update : Wed Sep 08 15:56:07 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	83	0.00	5.58
2 M	tertiary butyl alcohol	1.811	2.163	-19.4	101	0.02	5.72
----- True Calc. % Drift -----							
3	1,4-dioxane	1250.000	1355.390	-8.4	96	0.00	9.87
----- AvgRF CCRF % Dev -----							
4 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	8.10
5	freon 115			NA			
6	freon 23			NA			
7	freon 143A			NA			
8	freon 152A			NA			
9 M	chlorotrifluoroethene			NA			
10 M	chlorodifluoromethane	0.649	0.703	-8.3	120	0.00	2.54
11 M	dichlorodifluoromethane	0.777	0.846	-8.9	118	0.00	2.53
12 M	chloromethane	0.936	0.993	-6.1	116	0.00	2.72
13	freon 114			NA			
14	freon 142B			NA			
15 M	vinyl chloride	0.793	0.888	-12.0	117	0.00	2.90
16	Acetaldehyde			NA			
17 M	bromomethane	0.519	0.557	-7.3	115	0.00	3.38
18 M	chloroethane	0.487	0.533	-9.4	117	0.00	3.54
19	Vinyl Bromide			NA			
20 M	trichlorofluoromethane	0.844	0.934	-10.7	118	0.00	3.94
21	Pentane	1.044	1.081	-3.5	114	0.00	4.01
22 M	ethyl ether	0.398	0.378	5.0	102	0.00	4.35
23	freon 141B			NA			
24	freon 123A			NA			
25	freon 123			NA			
26 M	acrolein	0.114	0.104	8.8	98	0.00	4.60
27 M	1,1-dichloroethene	0.527	0.569	-8.0	116	0.00	4.74
----- True Calc. % Drift -----							
28 M	acetone	50.000	42.109	15.8	94	0.00	4.85
----- AvgRF CCRF % Dev -----							
29 M	allyl chloride	0.112	0.118	-5.4	112	0.00	5.30
30 M	acetonitrile	0.043	0.040	7.0	97	0.00	5.30
31 M	iodomethane	0.926	0.987	-6.6	112	0.00	4.99
32 M	iso-butyl alcohol	0.000	0.000#	0.0	0#	0.00	8.50
33 M	carbon disulfide	1.865	2.061	-10.5	116	0.00	5.10

Initial Calibration Verification

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Sample: VY4387-ICV4387
 Lab FileID: Y103264.D

34 M	methylene chloride	0.635	0.628	1.1	107	0.00	5.51
35 M	methyl acetate	0.405	0.414	-2.2	105	0.00	5.35
36 M	methyl tert butyl ether	1.556	1.490	4.2	98	0.00	5.88
37 M	trans-1,2-dichloroethene	0.581	0.629	-8.3	114	0.00	5.91
38 M	di-isopropyl ether	2.088	2.040	2.3	106	0.00	6.59
39 M	2-butanone	0.067	0.059	11.9	91	0.00	7.47
40 M	1,1-dichloroethane	1.063	1.137	-7.0	111	0.00	6.54
41 M	chloroprene	0.752	0.789	-4.9	112	0.00	6.67
42 M	acrylonitrile	0.190	0.181	4.7	95	0.00	5.90
43 M	vinyl acetate	0.000	0.000#	0.0	0#	0.00	6.63
44 M	ethyl tert-butyl ether	1.700	1.550	8.8	95	0.00	7.12
45 M	ethyl acetate	0.000	0.000#	0.0	0#	0.00	7.50
46 M	2,2-dichloropropane	0.845	0.898	-6.3	113	0.00	7.38
47 M	cis-1,2-dichloroethene	0.633	0.665	-5.1	110	0.00	7.41
48 M	propionitrile	0.074	0.069	6.8	93	0.00	7.52
49 M	bromochloromethane	0.291	0.286	1.7	104	0.00	7.75
----- True Calc. % Drift -----							
50 M	tetrahydrofuran	50.000	43.106	13.8	100	0.00	7.82
----- AvgRF CCRF % Dev -----							
51 M	chloroform	0.975	1.002	-2.8	110	0.00	7.85
52	tert-butyl formate	0.440	0.394	10.5	90	0.00	7.89
53 S	dibromofluoromethane (s)	0.529	0.513	3.0	106	0.00	8.08
54 S	1,2-dichloroethane-d4 (s)	0.587	0.577	1.7	109	0.00	8.54
55 M	freon 113	0.426	0.455	-6.8	115	0.00	4.74
----- True Calc. % Drift -----							
56 M	methacrylonitrile	50.000	44.462	11.1	94	0.00	7.75
----- AvgRF CCRF % Dev -----							
57 M	1,1,1-trichloroethane	0.819	0.870	-6.2	113	0.00	8.10
58 M	Cyclohexane	1.059	1.024	3.3	114	0.00	8.16
59 I	1,4-difluorobenzene	1.000	1.000	0.0	104	0.00	9.09
60 M	epichlorohydrin	0.035	0.030	14.3	87	0.00	10.48
61 M	n-butyl alcohol	0.016	0.017	-6.3	115	0.00	8.23
62 M	carbon tetrachloride	0.453	0.467	-3.1	114	0.00	8.32
63 M	1,1-dichloropropene	0.494	0.535	-8.3	114	0.00	8.32
64 M	hexane	0.090	0.102	-13.3	118	0.00	6.27
65	Tert Amyl Alcohol	0.000	0.000#	0.0	98	0.01	8.66
66 M	benzene	1.539	1.582	-2.8	110	0.00	8.60
67	2,2,4-trimethylpentane	1.447	1.485	-2.6	113	0.00	8.64
68 M	tert-amyl methyl ether	0.974	0.843	13.4	91	0.00	8.70
69 M	heptane	0.346	0.358	-3.5	116	0.00	8.87
70 M	isopropyl acetate	0.187	0.181	3.2	99	0.00	8.65
71 M	1,2-dichloroethane	0.398	0.412	-3.5	102	0.00	8.64
72	Di-isobutylene	0.000	0.000#	0.0	83	0.00	9.35
73 M	trichloroethene	0.358	0.388	-8.4	113	0.00	9.43
74	Tert Amyl Ethyl Ether	0.000	0.000#	0.0	91	0.00	9.82
75 M	2-nitropropane	0.000	0.000#	0.0	66	0.00	10.30
76 M	2-chloroethyl vinyl ether	0.154	0.145	5.8	93	0.00	10.36
77	ethyl acrylate	0.534	0.547	-2.4	114	0.00	9.63
78 M	methyl methacrylate	0.249	0.240	3.6	98	0.00	9.82
79 M	1,2-dichloropropane	0.390	0.408	-4.6	107	0.00	9.70
80 M	dibromomethane	0.195	0.194	0.5	103	0.00	9.87
81 M	methylcyclohexane	0.647	0.688	-6.3	113	0.00	9.63
82 M	bromodichloromethane	0.465	0.473	-1.7	106	0.00	10.04
83 M	cis-1,3-dichloropropene	0.647	0.642	0.8	103	0.00	10.56
84 S	toluene-d8 (s)	1.356	1.370	-1.0	109	0.00	10.86

Initial Calibration Verification

Job Number: JA58043
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4387-ICV4387
 Lab FileID: Y103264.D

		True	Calc.	% Drift			
85 M	4-methyl-2-pentanone	50.000	46.936	6.1	100	0.00	10.71
		AvgRF	CCRF	% Dev			
86 M	toluene	0.944	0.990	-4.9	110	0.00	10.94
87 M	3-methyl-1-butanol	0.019	0.016	15.8	91	0.00	10.80
88 M	trans-1,3-dichloropropene	0.551	0.553	-0.4	102	0.00	11.20
89 M	ethyl methacrylate	0.491	0.463	5.7	98	0.00	11.25
90 M	1,1,2-trichloroethane	0.258	0.252	2.3	99	0.00	11.41
		True	Calc.	% Drift			
91 M	2-hexanone	50.000	44.133	11.7	94	0.00	11.66
		AvgRF	CCRF	% Dev			
92 I	chlorobenzene-d5	1.000	1.000	0.0	100	0.00	12.50
93 M	tetrachloroethene	0.341	0.393	-15.2	113	0.00	11.56
94 M	1,3-dichloropropene	0.600	0.617	-2.8	100	0.00	11.60
		True	Calc.	% Drift			
95 M	butyl acetate	50.000	45.665	8.7	94	0.00	11.77
		AvgRF	CCRF	% Dev			
96	3,3-dimethyl-1-butanol	0.045	0.039	13.3	88	0.00	11.87
97 M	dibromochloromethane	0.377	0.392	-4.0	101	0.00	11.87
98 M	1,2-dibromoethane	0.322	0.341	-5.9	100	0.00	12.01
99 M	chlorobenzene	1.138	1.227	-7.8	107	0.00	12.53
100	n-butyl ether	0.000	0.000#	0.0	0#	-0.01	12.53
101 M	1,1,1,2-tetrachloroethane	0.400	0.417	-4.2	105	0.00	12.60
102 M	ethylbenzene	1.931	2.113	-9.4	110	0.00	12.61
103 M	m,p-xylene	0.771	0.815	-5.7	109	0.00	12.73
104 M	o-xylene	0.771	0.825	-7.0	108	0.00	13.17
105 M	styrene	1.276	1.372	-7.5	106	0.00	13.19
106 M	bromoform	0.272	0.265	2.6	98	0.00	13.44
107 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	14.92
108 M	isopropylbenzene	4.099	4.523	-10.3	110	0.00	13.55
109 S	4-bromofluorobenzene (s)	1.161	1.177	-1.4	103	0.00	13.76
110 M	cyclohexanone	0.000	0.000#	0.0	96	0.00	13.69
111 M	bromobenzene	0.985	1.062	-7.8	104	0.00	13.93
112 M	1,1,2,2-tetrachloroethane	0.970	0.946	2.5	95	0.00	13.89
113 M	trans-1,4-dichloro-2-bute	0.241	0.250	-3.7	97	0.00	13.94
114 M	1,2,3-trichloropropane	0.248	0.249	-0.4	96	0.00	13.94
115 M	n-propylbenzene	4.644	5.124	-10.3	109	0.00	13.98
116	4-Ethyltoluene	3.745	4.060	-8.4	110	0.00	14.10
117 M	2-chlorotoluene	0.951	1.017	-6.9	107	0.00	14.11
118 M	4-chlorotoluene	2.927	3.006	-2.7	107	0.00	14.22
119 M	1,3,5-trimethylbenzene	3.476	3.645	-4.9	109	0.00	14.15
120 M	tert-butylbenzene	2.919	3.177	-8.8	109	0.00	14.49
121 M	pentachloroethane	0.626	0.648	-3.5	102	0.00	14.55
122 M	1,2,4-trimethylbenzene	3.356	3.619	-7.8	106	0.00	14.54
123 M	sec-butylbenzene	4.488	4.918	-9.6	110	0.00	14.70
124 M	1,3-dichlorobenzene	1.822	2.012	-10.4	105	0.00	14.86
125 M	p-isopropyltoluene	3.633	4.027	-10.8	109	0.00	14.82
126 M	1,4-dichlorobenzene	2.034	2.064	-1.5	105	0.00	14.94
127 M	1,2-dichlorobenzene	1.794	1.934	-7.8	102	0.00	15.30
128	benzyl chloride	1.847	1.841	0.3	96	0.00	15.06
129	1,4-Diethylbenzene	2.164	2.414	-11.6	110	0.00	15.18
130 M	n-butylbenzene	1.779	2.049	-15.2	109	0.00	15.21

Initial Calibration Verification

Page 4 of 4

Job Number: JA58043

Sample: VY4387-ICV4387

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Lab FileID: Y103264.D

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

131	1,2,4,5-Tetramethylbenzen	3.362	3.713	-10.4	107	0.00	15.88
132 M	1,2-dibromo-3-chloropropa	0.161	0.159	1.2	93	0.00	15.99
133	1,3,5-trichlorobenzene	1.537	1.740	-13.2	105	0.00	16.15
134 M	1,2,4-trichlorobenzene	1.324	1.454	-9.8	101	0.00	16.66
135 M	hexachlorobutadiene	0.793	0.900	-13.5	107	0.00	16.75

		----- True	Calc.	% Drift	-----		
136 M	naphthalene	50.000	48.018	4.0	97	0.00	16.87

		----- AvgRF	CCRF	% Dev	-----		
137 M	1,2,3-trichlorobenzene	1.193	1.280	-7.3	99	0.00	17.07
138 M	hexachloroethane	0.590	0.659	-11.7	107	0.00	15.52

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Y103257.D MYS4387.M

Wed Sep 08 16:05:03 2010 RPT1

Continuing Calibration Summary

Page 1 of 4

Job Number: JA58043
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4442-CC4387
 Lab FileID: Y104434.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\Y104434.D Vial: 24
 Acq On : 7 Oct 2010 8:22 pm Operator: alexm1
 Sample : CC4387-50 Inst : MSY
 Misc : MS3090,VY4442,5,,,,,1 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
 Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 Last Update : Wed Sep 08 15:56:07 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Tert Butyl Alcohol-d9	1.000	1.000	0.0	94	0.00	5.57
2 M	tertiary butyl alcohol	1.811	2.469	-36.3#	130	0.00	5.71
----- True Calc. % Drift -----							
3	1,4-dioxane	1250.000	1795.512	-43.6#	146	0.00	9.87
----- AvgRF CCRF % Dev -----							
4 I	pentafluorobenzene	1.000	1.000	0.0	116	0.00	8.10
5	freon 115			NA			
6	freon 23			NA			
7	freon 143A			NA			
8	freon 152A	0.000	0.000#	0.0	0#	0.00	2.55
9 M	chlorotrifluoroethene			NA			
10 M	chlorodifluoromethane	0.649	0.500	23.0#	95	0.00	2.55
11 M	dichlorodifluoromethane	0.777	0.792	-1.9	124	0.01	2.54
12 M	chloromethane	0.936	0.985	-5.2	128	0.00	2.73
13	freon 114			NA			
14	freon 142B			NA			
15 M	vinyl chloride	0.793	0.823	-3.8	122	0.00	2.91
16	Acetaldehyde	0.000	0.000#	0.0	0#	-0.01	3.08
17 M	bromomethane	0.519	0.574	-10.6	132	0.00	3.38
18 M	chloroethane	0.487	0.504	-3.5	124	0.00	3.54
19	Vinyl Bromide			NA			
20 M	trichlorofluoromethane	0.844	0.892	-5.7	126	0.03	3.96
21	Pentane	1.044	0.713	31.7#	84	0.00	4.01
22 M	ethyl ether	0.398	0.403	-1.3	121	0.00	4.35
23	freon 141B			NA			
24	freon 123A			NA			
25	freon 123			NA			
26 M	acrolein	0.114	0.137	-20.2#	144	-0.01	4.59
27 M	1,1-dichloroethene	0.527	0.485	8.0	110	0.00	4.73
----- True Calc. % Drift -----							
28 M	acetone	50.000	38.793	22.4#	96	0.00	4.85
----- AvgRF CCRF % Dev -----							
29 M	allyl chloride	0.112	0.103	8.0	109	0.00	5.30
30 M	acetonitrile	0.043	0.052	-20.9#	140	0.00	5.29
31 M	iodomethane	0.926	0.980	-5.8	125	0.00	5.00
32 M	iso-butyl alcohol	0.000	0.000#	0.0	0#	0.00	8.50
33 M	carbon disulfide	1.865	1.698	9.0	106	0.00	5.10

Continuing Calibration Summary

Page 2 of 4

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4442-CC4387
Lab FileID: Y104434.D

34 M	methylene chloride	0.635	0.654	-3.0	125	0.00	5.51
35 M	methyl acetate	0.405	0.457	-12.8	130	0.00	5.35
36 M	methyl tert butyl ether	1.556	1.592	-2.3	117	0.00	5.88
37 M	trans-1,2-dichloroethene	0.581	0.574	1.2	117	0.00	5.91
38 M	di-isopropyl ether	2.088	2.073	0.7	120	0.00	6.59
39 M	2-butanone	0.067	0.066	1.5	113	0.00	7.46
40 M	1,1-dichloroethane	1.063	1.057	0.6	116	0.00	6.54
41 M	chloroprene	0.752	0.634	15.7	100	0.01	6.68
42 M	acrylonitrile	0.190	0.218	-14.7	128	0.00	5.90
43 M	vinyl acetate	0.000	0.000#	0.0	0#	0.00	6.63
44 M	ethyl tert-butyl ether	1.700	1.595	6.2	109	0.00	7.12
45 M	ethyl acetate	0.000	0.000#	0.0	0#	0.00	7.50
46 M	2,2-dichloropropane	0.845	0.733	13.3	103	0.00	7.38
47 M	cis-1,2-dichloroethene	0.633	0.675	-6.6	125	0.00	7.41
48 M	propionitrile	0.074	0.085	-14.9	127	0.00	7.52
49 M	bromochloromethane	0.291	0.338	-16.2	137	0.00	7.75
----- True Calc. % Drift -----							
50 M	tetrahydrofuran	50.000	47.890	4.2	123	0.00	7.82
----- AvgRF CCRF % Dev -----							
51 M	chloroform	0.975	1.001	-2.7	122	0.00	7.85
52	tert-butyl formate	0.440	0.380	13.6	97	0.00	7.89
53 S	dibromofluoromethane (s)	0.529	0.509	3.8	117	0.00	8.09
54 S	1,2-dichloroethane-d4 (s)	0.587	0.570	2.9	120	0.00	8.54
55 M	freon 113	0.426	0.428	-0.5	121	0.00	4.74
----- True Calc. % Drift -----							
56 M	methacrylonitrile	50.000	52.924	-5.8	127	0.00	7.74
----- AvgRF CCRF % Dev -----							
57 M	1,1,1-trichloroethane	0.819	0.774	5.5	113	0.00	8.10
58 M	Cyclohexane	1.059	0.835	21.2#	104	0.00	8.16
59 I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	9.09
60 M	epichlorohydrin	0.035	0.043	-22.9#	126	0.00	10.47
61 M	n-butyl alcohol	0.016	0.015	6.3	105	0.00	8.23
62 M	carbon tetrachloride	0.453	0.461	-1.8	115	0.00	8.32
63 M	1,1-dichloropropene	0.494	0.488	1.2	106	0.00	8.32
64 M	hexane	0.090	0.083	7.8	97	0.00	6.27
65	Tert Amyl Alcohol	0.000	0.000#	0.0	127	0.00	8.65
66 M	benzene	1.539	1.670	-8.5	117	0.00	8.60
67	2,2,4-trimethylpentane	1.447	1.351	6.6	104	0.00	8.65
68 M	tert-amyl methyl ether	0.974	0.961	1.3	105	0.00	8.70
69 M	heptane	0.346	0.335	3.2	110	0.00	8.88
70 M	isopropyl acetate	0.187	0.230	-23.0#	128	0.00	8.65
71 M	1,2-dichloroethane	0.398	0.491	-23.4#	124	0.00	8.64
72	Di-isobutylene	0.000	0.000#	0.0	116	-0.01	9.34
73 M	trichloroethene	0.358	0.403	-12.6	119	0.00	9.43
74	Tert Amyl Ethyl Ether	0.000	0.000#	0.0	119	0.00	9.82
75 M	2-nitropropane	0.000	0.000#	0.0	111	0.00	10.30
76 M	2-chloroethyl vinyl ether	0.154	0.153	0.6	100	0.00	10.36
77	ethyl acrylate	0.534	0.483	9.6	102	0.00	9.63
78 M	methyl methacrylate	0.249	0.308	-23.7#	127	0.00	9.81
79 M	1,2-dichloropropane	0.390	0.457	-17.2	121	0.00	9.70
80 M	dibromomethane	0.195	0.253	-29.7#	136	0.00	9.87
81 M	methylcyclohexane	0.647	0.647	0.0	108	0.00	9.63
82 M	bromodichloromethane	0.465	0.559	-20.2#	127	0.00	10.04
83 M	cis-1,3-dichloropropene	0.647	0.737	-13.9	120	0.00	10.55
84 S	toluene-d8 (s)	1.356	1.414	-4.3	114	0.00	10.86

Continuing Calibration Summary

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4442-CC4387
Lab FileID: Y104434.D

		True	Calc.	% Drift			
85 M	4-methyl-2-pentanone	50.000	61.109	-22.2#	133	0.00	10.71
		AvgRF	CCRF	% Dev			
86 M	toluene	0.944	1.046	-10.8	118	0.00	10.93
87 M	3-methyl-1-butanol	0.019	0.021	-10.5	120	0.00	10.80
88 M	trans-1,3-dichloropropene	0.551	0.650	-18.0	122	0.00	11.19
89 M	ethyl methacrylate	0.491	0.550	-12.0	118	0.00	11.24
90 M	1,1,2-trichloroethane	0.258	0.336	-30.2#	134	0.00	11.40
		True	Calc.	% Drift			
91 M	2-hexanone	50.000	53.361	-6.7	114	0.00	11.66
		AvgRF	CCRF	% Dev			
92 I	chlorobenzene-d5	1.000	1.000	0.0	112	0.00	12.49
93 M	tetrachloroethene	0.341	0.390	-14.4	125	0.00	11.56
94 M	1,3-dichloropropane	0.600	0.699	-16.5	127	0.00	11.60
		True	Calc.	% Drift			
95 M	butyl acetate	50.000	53.845	-7.7	125	0.00	11.76
		AvgRF	CCRF	% Dev			
96	3,3-dimethyl-1-butanol	0.045	0.045	0.0	112	0.00	11.87
97 M	dibromochloromethane	0.377	0.476	-26.3#	137	0.00	11.87
98 M	1,2-dibromoethane	0.322	0.415	-28.9#	136	0.00	12.01
99 M	chlorobenzene	1.138	1.281	-12.6	125	0.00	12.52
100	n-butyl ether	0.000	0.000#	0.0	0#	-0.02	12.52
101 M	1,1,1,2-tetrachloroethane	0.400	0.461	-15.3	130	0.00	12.59
102 M	ethylbenzene	1.931	1.987	-2.9	116	0.00	12.61
103 M	m,p-xylene	0.771	0.792	-2.7	118	0.00	12.73
104 M	o-xylene	0.771	0.837	-8.6	122	0.00	13.16
105 M	styrene	1.276	1.419	-11.2	122	0.00	13.19
106 M	bromoform	0.272	0.346	-27.2#	143	0.00	13.44
107 I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	14.92
108 M	isopropylbenzene	4.099	4.137	-0.9	118	0.00	13.54
109 S	4-bromofluorobenzene (s)	1.161	1.130	2.7	116	0.00	13.75
110 M	cyclohexanone	0.000	0.000#	0.0	66	0.00	13.69
111 M	bromobenzene	0.985	1.170	-18.8	134	0.00	13.93
112 M	1,1,2,2-tetrachloroethane	0.970	1.143	-17.8	134	0.00	13.89
113 M	trans-1,4-dichloro-2-bute	0.241	0.256	-6.2	116	0.00	13.94
114 M	1,2,3-trichloropropane	0.248	0.304	-22.6#	137	0.00	13.94
115 M	n-propylbenzene	4.644	4.592	1.1	114	0.00	13.98
116	4-Ethyltoluene			NA			
117 M	2-chlorotoluene	0.951	0.996	-4.7	122	0.10	14.22
118 M	4-chlorotoluene	2.927	2.859	2.3	119	0.00	14.22
119 M	1,3,5-trimethylbenzene	3.476	3.384	2.6	118	0.00	14.15
120 M	tert-butylbenzene	2.919	2.989	-2.4	120	0.00	14.48
121 M	pentachloroethane	0.626	0.723	-15.5	133	0.00	14.55
122 M	1,2,4-trimethylbenzene	3.356	3.465	-3.2	119	0.00	14.53
123 M	sec-butylbenzene	4.488	4.488	0.0	117	0.00	14.70
124 M	1,3-dichlorobenzene	1.822	2.082	-14.3	127	0.00	14.86
125 M	p-isopropyltoluene	3.633	3.727	-2.6	117	0.00	14.82
126 M	1,4-dichlorobenzene	2.034	2.173	-6.8	129	0.00	14.94
127 M	1,2-dichlorobenzene	1.794	2.169	-20.9#	133	0.00	15.30
128	benzyl chloride			NA			
129	1,4-Diethylbenzene			NA			
130 M	n-butylbenzene	1.779	1.816	-2.1	113	0.00	15.21

Continuing Calibration Summary

Page 4 of 4

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: VY4442-CC4387
Lab FileID: Y104434.D

131	1,2,4,5-Tetramethylbenzen				-----NA-----			
132 M	1,2-dibromo-3-chloropropa	0.161	0.193	-19.9	131	0.00	15.98	
133	1,3,5-trichlorobenzene	1.537	1.805	-17.4	127	0.00	16.15	
134 M	1,2,4-trichlorobenzene	1.324	1.553	-17.3	126	0.00	16.66	
135 M	hexachlorobutadiene	0.793	0.869	-9.6	121	0.00	16.75	
----- True Calc. % Drift -----								
136 M	naphthalene	50.000	53.309	-6.6	126	0.00	16.87	
----- AvgRF CCRF % Dev -----								
137 M	1,2,3-trichlorobenzene	1.193	1.433	-20.1#	129	0.00	17.07	
138 M	hexachloroethane	0.590	0.670	-13.6	127	0.00	15.52	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y103257.D MYS4387.M Fri Oct 08 11:49:38 2010 RPT1

5.7.6

5

GC/MS Volatiles

Raw Data

9

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104441.D
Acq On : 7 Oct 2010 11:48 pm
Operator : alexm1
Sample : JA58043-1
Misc : MS3113,VY4442,4.8,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 08 11:51:38 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration

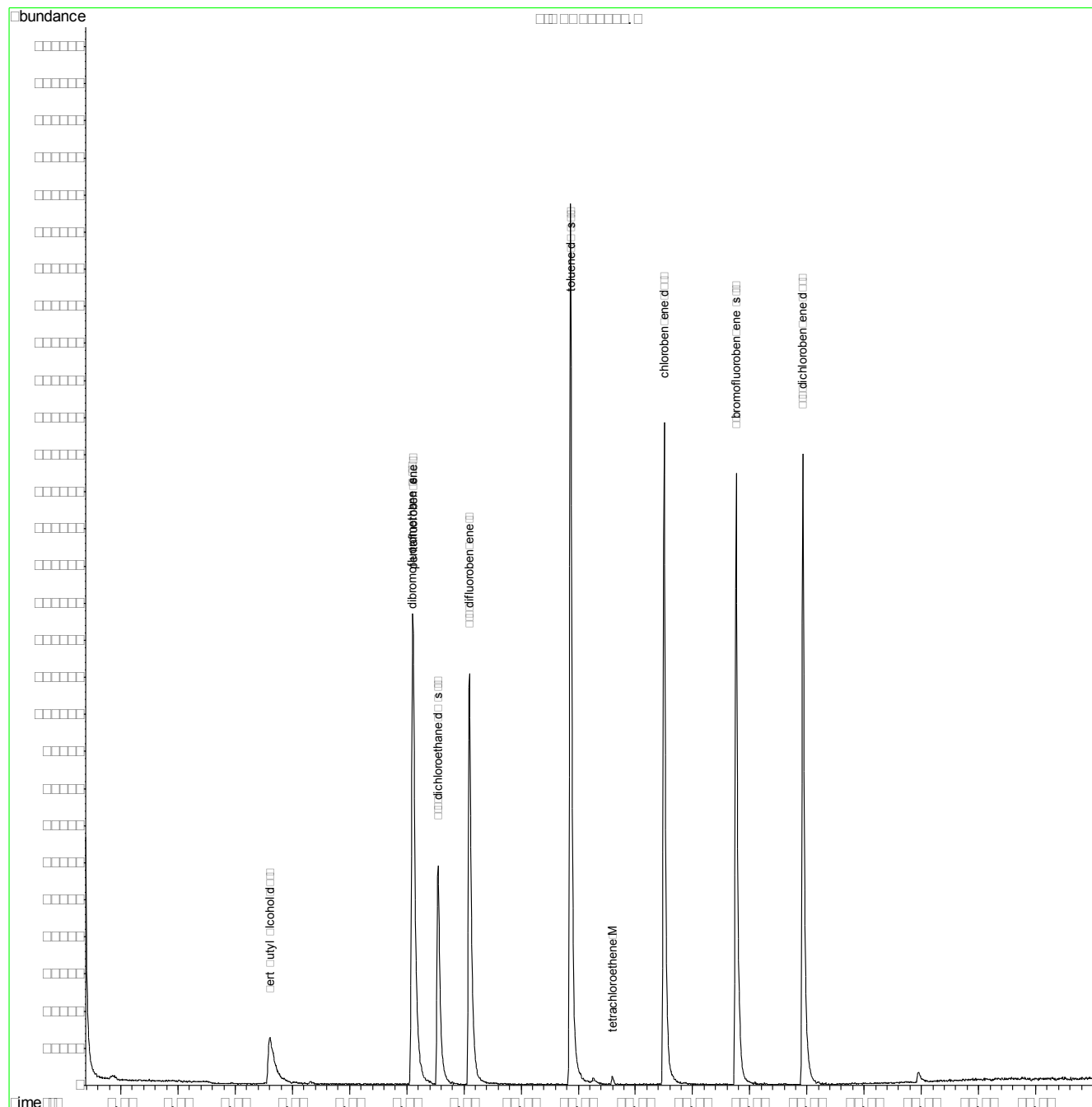
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.61	65	62076	500.00	ug/L	0.03
4) pentafluorobenzene	8.11	168	133468	50.00	ug/L	0.01
59) 1,4-difluorobenzene	9.10	114	191669	50.00	ug/L	0.01
92) chlorobenzene-d5	12.50	117	185662	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.93	152	86351	50.00	ug/L	0.01
System Monitoring Compounds						
53) dibromofluoromethane (s)	8.09	113	73230	51.85	ug/L	0.00
Spiked Amount 50.000	Range 67 - 127		Recovery =	103.70%		
54) 1,2-dichloroethane-d4 (s)	8.55	65	76671	48.90	ug/L	0.01
Spiked Amount 50.000	Range 65 - 132		Recovery =	97.80%		
84) toluene-d8 (s)	10.86	98	273280	52.57	ug/L	0.00
Spiked Amount 50.000	Range 74 - 129		Recovery =	105.14%		
109) 4-bromofluorobenzene (s)	13.76	95	102028	50.88	ug/L	0.00
Spiked Amount 50.000	Range 62 - 138		Recovery =	101.76%		
Target Compounds						
93) tetrachloroethene	11.60	164	1002	0.79	ug/L	Qvalue 92

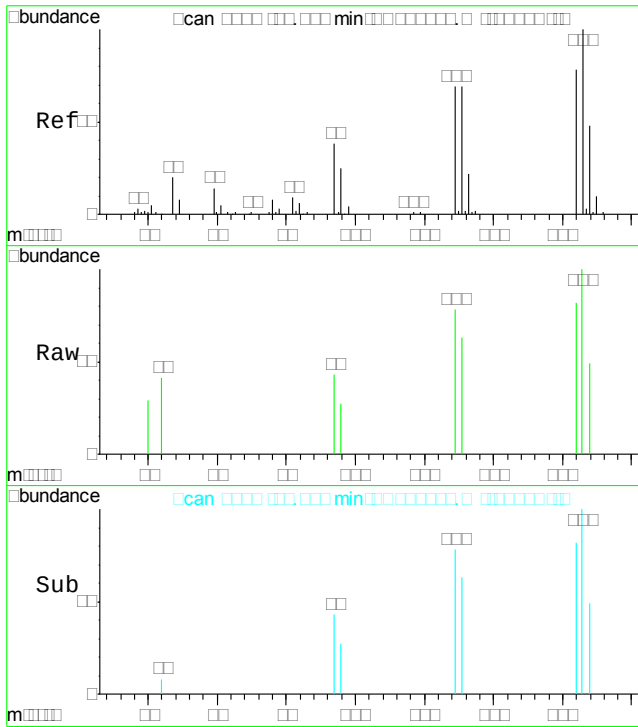
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104441.D
Acq On : 7 Oct 2010 11:48 pm
Operator : alexm1
Sample : JA58043-1
Misc : MS3113,VY4442,4.8,,,,,1
ALS Vial : 31 Sample Multiplier: 1

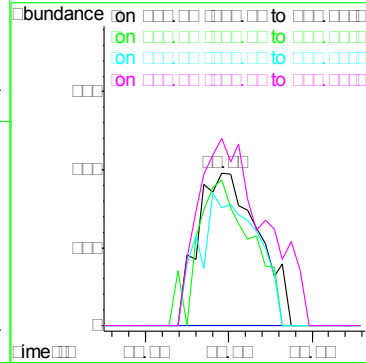
Quant Time: Oct 08 11:51:38 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration





#93
tetrachloroethene
Concen: 0.79 ug/L
RT: 11.60 min Scan# 1762
Delta R.T. 0.03 min
Lab File: Y104441.D
Acq: 7 Oct 2010 11:48 pm

Tgt Ion:	164	Resp:	1002
Ion Ratio	Lower	Upper	
164	100		
129	95.4	57.7	117.7
131	76.8	58.5	118.5
166	122.4	97.5	157.5



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104442.D
Acq On : 8 Oct 2010 12:17 am
Operator : alexm1
Sample : JA58043-3
Misc : MS3113,VY4442,4.9,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 08 11:51:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.60	65	61137	500.00	ug/L	0.03
4) pentafluorobenzene	8.11	168	134360	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	195716	50.00	ug/L	0.00
92) chlorobenzene-d5	12.50	117	192846	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.93	152	89639	50.00	ug/L	0.01
System Monitoring Compounds						
53) dibromofluoromethane (s)	8.09	113	74349	52.30	ug/L	0.00
Spiked Amount 50.000	Range 67 - 127		Recovery =	104.60%		
54) 1,2-dichloroethane-d4 (s)	8.55	65	79130	50.13	ug/L	0.00
Spiked Amount 50.000	Range 65 - 132		Recovery =	100.26%		
84) toluene-d8 (s)	10.86	98	286150	53.91	ug/L	0.00
Spiked Amount 50.000	Range 74 - 129		Recovery =	107.82%		
109) 4-bromofluorobenzene (s)	13.76	95	105999	50.92	ug/L	0.00
Spiked Amount 50.000	Range 62 - 138		Recovery =	101.84%		

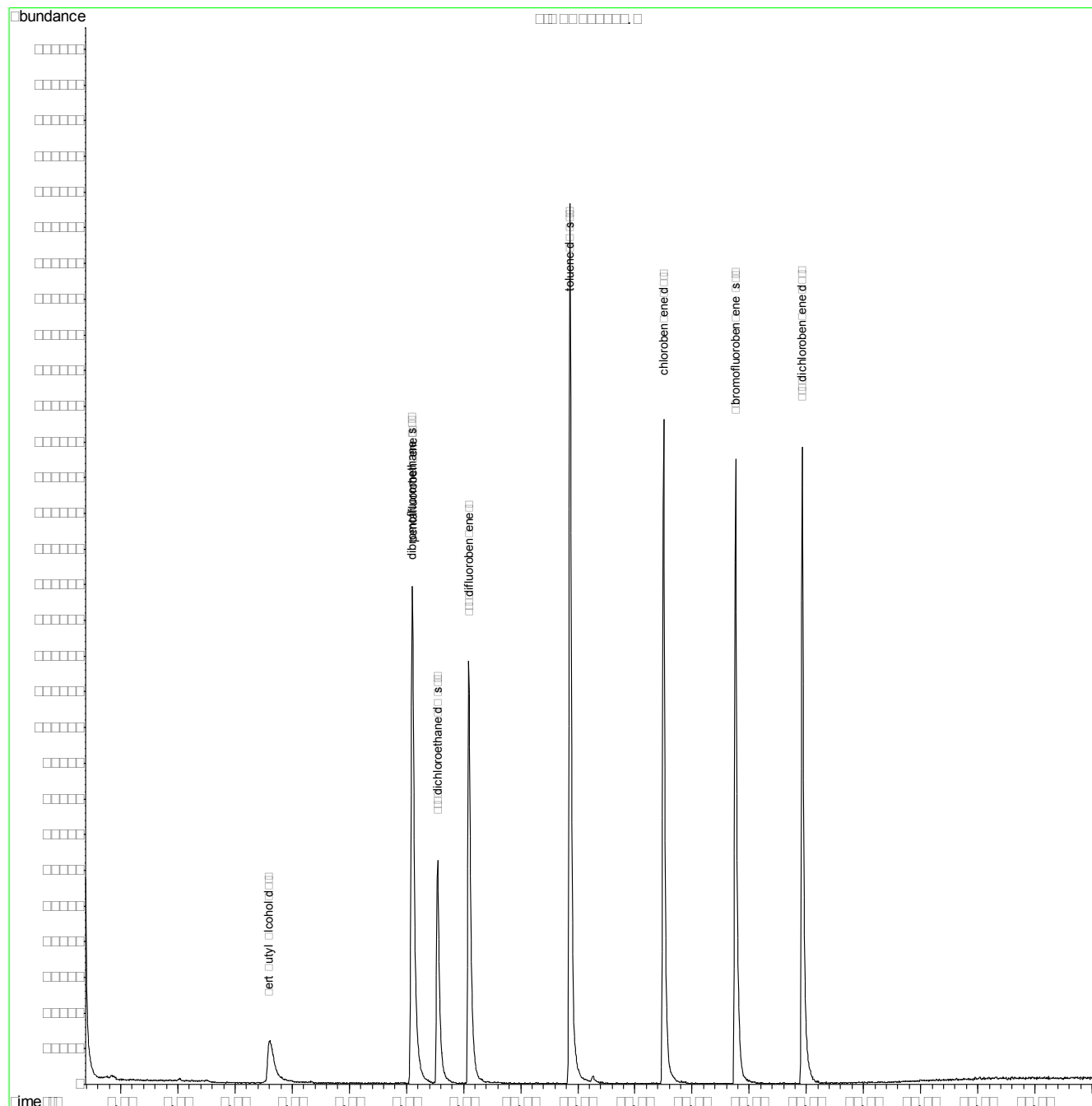
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104442.D
Acq On : 8 Oct 2010 12:17 am
Operator : alexm1
Sample : JA58043-3
Misc : MS3113,VY4442,4.9,,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 08 11:51:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104443.D
Acq On : 8 Oct 2010 12:46 am
Operator : alexm1
Sample : JA58043-4
Misc : MS3113,VY4442,4.6,,,,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 08 11:52:13 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.61	65	60312	500.00	ug/L	0.03
4) pentafluorobenzene	8.11	168	134538	50.00	ug/L	0.01
59) 1,4-difluorobenzene	9.10	114	192654	50.00	ug/L	0.01
92) chlorobenzene-d5	12.50	117	185077	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.93	152	85414	50.00	ug/L	0.01

System Monitoring Compounds						
53) dibromofluoromethane (s)	8.09	113	72687	51.06	ug/L	0.00
Spiked Amount	50.000	Range 67 - 127	Recovery	=	102.12%	
54) 1,2-dichloroethane-d4 (s)	8.55	65	76976	48.70	ug/L	0.00
Spiked Amount	50.000	Range 65 - 132	Recovery	=	97.40%	
84) toluene-d8 (s)	10.86	98	276317	52.89	ug/L	0.00
Spiked Amount	50.000	Range 74 - 129	Recovery	=	105.78%	
109) 4-bromofluorobenzene (s)	13.76	95	100476	50.65	ug/L	0.00
Spiked Amount	50.000	Range 62 - 138	Recovery	=	101.30%	

Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51520.D
 Acq On : 10 Oct 2010 11:20 am
 Operator : TAMIKAG
 Sample : JA58043-5
 Misc : MS3105,V3D2233,W,,,,1
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 12 13:12:47 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Tert Butyl Alcohol-d9	6.994	65	35600	500.00	ug/L	0.00
4) pentafluorobenzene	9.202	168	89930	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	119250	50.00	ug/L	0.00
78) chlorobenzene-d5	13.296	117	98438	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	51036	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.254	113	53964	43.92	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery =	87.84%		
42) 1,2-dichloroethane-d4 (s)	9.668	65	61230	47.98	ug/L	0.00
Spiked Amount 50.000	Range 64 - 135		Recovery =	95.96%		
70) toluene-d8 (s)	11.771	98	167564	45.18	ug/L	0.00
Spiked Amount 50.000	Range 76 - 117		Recovery =	90.36%		
96) 4-bromofluorobenzene (s)	14.455	95	60779	49.28	ug/L	0.00
Spiked Amount 50.000	Range 72 - 122		Recovery =	98.56%		

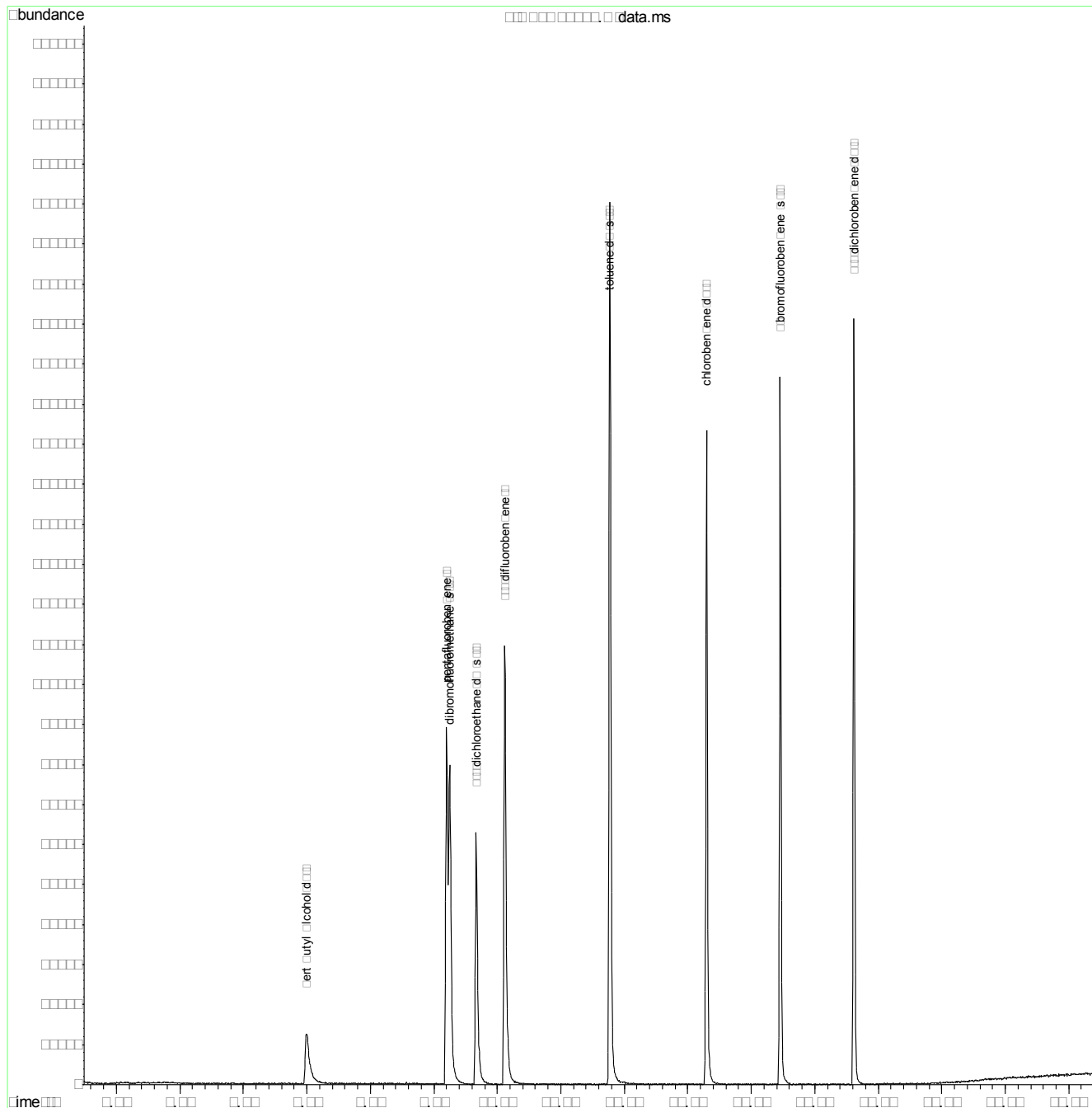
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51520.D
Acq On : 10 Oct 2010 11:20 am
Operator : TAMIKAG
Sample : JA58043-5
Misc : MS3105,V3D2233,W,,,,,1
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 12 13:12:47 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51521.D
Acq On : 10 Oct 2010 11:46 am
Operator : TAMIKAG
Sample : JA58043-6
Misc : MS3105,V3D2233,W,,,,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 12 13:13:06 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	6.994	65	36149	500.00	ug/L	0.00
4) pentafluorobenzene	9.202	168	92939	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	125184	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	101133	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	51758	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.249	113	55674	43.84	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	87.68%
42) 1,2-dichloroethane-d4 (s)	9.668	65	63388	48.06	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	96.12%
70) toluene-d8 (s)	11.771	98	176853	45.43	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	90.86%
96) 4-bromofluorobenzene (s)	14.455	95	62489	49.96	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	99.92%

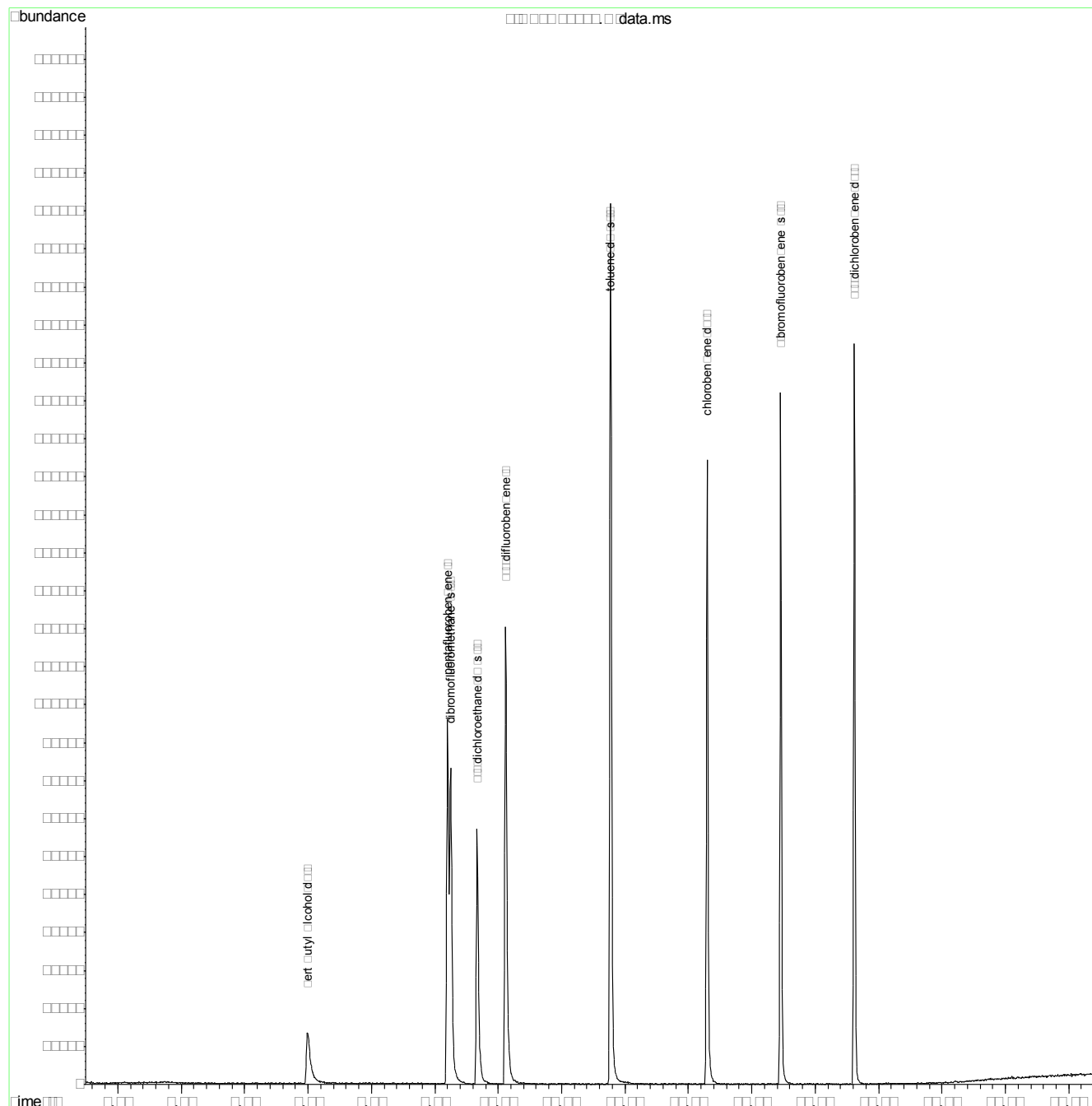
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51521.D
Acq On : 10 Oct 2010 11:46 am
Operator : TAMIKAG
Sample : JA58043-6
Misc : MS3105,V3D2233,W,,,,,1
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 12 13:13:06 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104436.D
Acq On : 7 Oct 2010 9:21 pm
Operator : alexm1
Sample : MB
Misc : MS3090,VY4442,5,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 11:49:33 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.61	65	49923	500.00	ug/L	0.04
4) pentafluorobenzene	8.11	168	128630	50.00	ug/L	0.01
59) 1,4-difluorobenzene	9.10	114	185382	50.00	ug/L	0.01
92) chlorobenzene-d5	12.50	117	176377	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.93	152	78961	50.00	ug/L	0.01

System Monitoring Compounds

53) dibromofluoromethane (s)	8.10	113	69416	51.00	ug/L	0.01
Spiked Amount	50.000	Range 67 - 127	Recovery	=	102.00%	
54) 1,2-dichloroethane-d4 (s)	8.55	65	69376	45.91	ug/L	0.00
Spiked Amount	50.000	Range 65 - 132	Recovery	=	91.82%	
84) toluene-d8 (s)	10.86	98	264308	52.57	ug/L	0.00
Spiked Amount	50.000	Range 74 - 129	Recovery	=	105.14%	
109) 4-bromofluorobenzene (s)	13.76	95	94720	51.66	ug/L	0.00
Spiked Amount	50.000	Range 62 - 138	Recovery	=	103.32%	

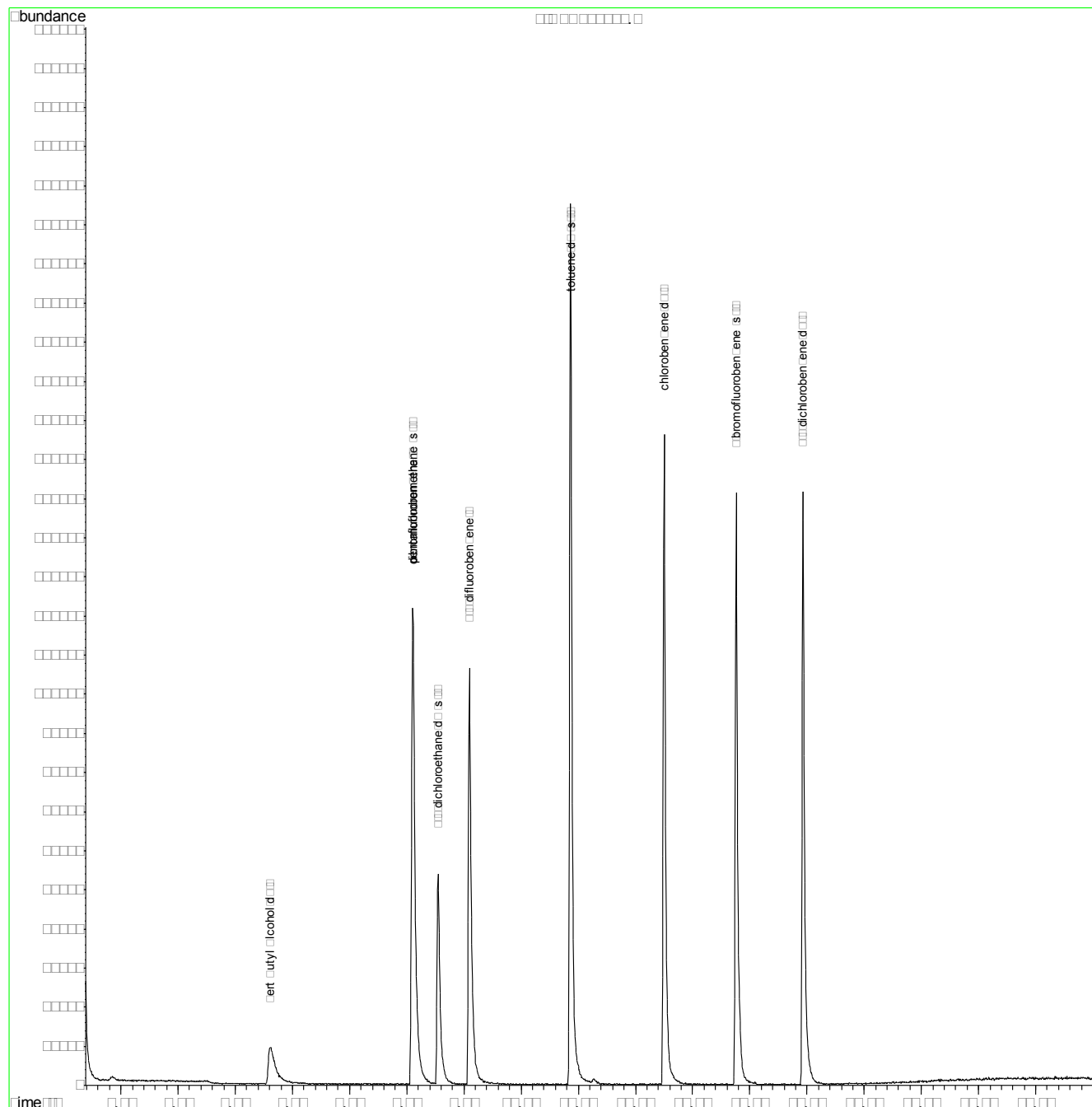
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104436.D
Acq On : 7 Oct 2010 9:21 pm
Operator : alexm1
Sample : MB
Misc : MS3090,VY4442,5,,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 08 11:49:33 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51506.D
Acq On : 10 Oct 2010 5:04 am
Operator : TAMIKAG
Sample : MB
Misc : MS2899,V3D2233,W,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 12 13:07:26 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	6.994	65	44149	500.00	ug/L	0.00
4) pentafluorobenzene	9.201	168	109992	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	148235	50.00	ug/L	0.00
78) chlorobenzene-d5	13.296	117	119933	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	61544	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.249	113	64314	42.79	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	85.58%
42) 1,2-dichloroethane-d4 (s)	9.668	65	69544	44.55	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	89.10%
70) toluene-d8 (s)	11.771	98	208045	45.13	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	90.26%
96) 4-bromofluorobenzene (s)	14.455	95	73277	49.27	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	98.54%

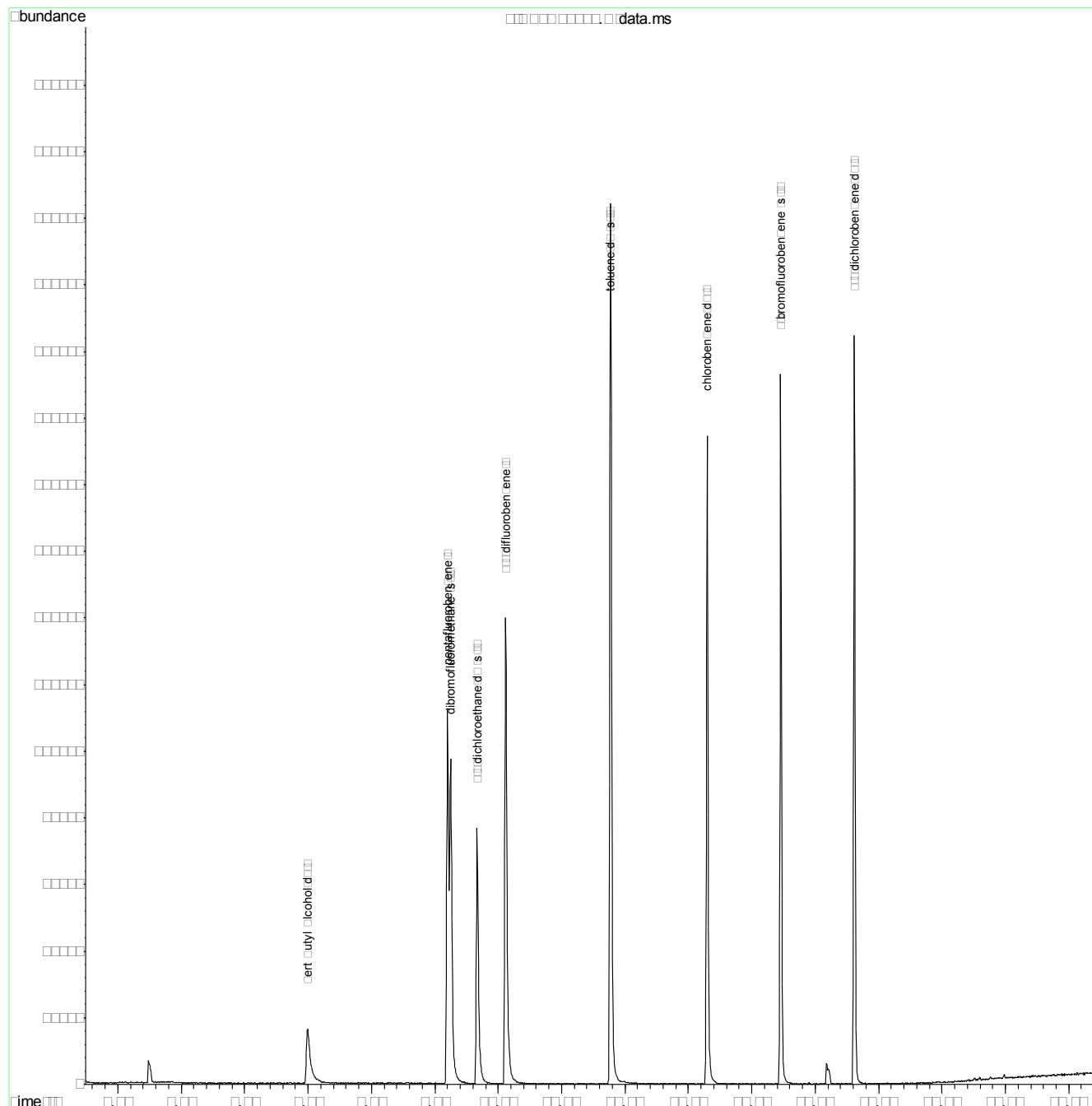
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51506.D
Acq On : 10 Oct 2010 5:04 am
Operator : TAMIKAG
Sample : MB
Misc : MS2899,V3D2233,W,,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Oct 12 13:07:26 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104437.D
 Acq On : 7 Oct 2010 9:50 pm
 Operator : alexm1
 Sample : BS
 Misc : MS3090,VY4442,5,,,1
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 11:50:25 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.58	65	57268	500.00	ug/L	0.00
4) pentafluorobenzene	8.10	168	127355	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	185394	50.00	ug/L	0.00
92) chlorobenzene-d5	12.49	117	178215	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	88945	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.09	113	65071	48.29	ug/L	0.00
Spiked Amount 50.000	Range 67 - 127		Recovery =	96.58%		
54) 1,2-dichloroethane-d4 (s)	8.54	65	73437	49.08	ug/L	0.00
Spiked Amount 50.000	Range 65 - 132		Recovery =	98.16%		
84) toluene-d8 (s)	10.86	98	261892	52.09	ug/L	0.00
Spiked Amount 50.000	Range 74 - 129		Recovery =	104.18%		
109) 4-bromofluorobenzene (s)	13.75	95	100726	48.76	ug/L	0.00
Spiked Amount 50.000	Range 62 - 138		Recovery =	97.52%		

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.71	59	61992	298.79	ug/L	94
3) 1,4-dioxane	9.87	88	22717	1609.43	ug/L #	70
10) chlorodifluoromethane	2.55	51	55913	33.82	ug/L	96
11) dichlorodifluoromethane	2.54	85	60200	30.43	ug/L	99
12) chloromethane	2.72	50	91041	38.19	ug/L	99
15) vinyl chloride	2.91	62	78890	39.08	ug/L	96
17) bromomethane	3.38	94	56593	42.80	ug/L	99
18) chloroethane	3.54	64	50592	40.81	ug/L	100
20) trichlorofluoromethane	3.95	101	90004	41.89	ug/L	96
21) Pentane	4.02	43	82867	31.17	ug/L	98
22) ethyl ether	4.35	74	46569	45.94	ug/L	99
26) acrolein	4.59	56	175776	603.49	ug/L	99
27) 1,1-dichloroethene	4.74	96	57359	42.74	ug/L	93
28) acetone	4.85	58	6652	38.34	ug/L #	90
29) allyl chloride	5.30	78	12196	42.72	ug/L	97
30) acetonitrile	5.30	40	57152	527.42	ug/L #	80
31) iodomethane	4.99	142	114925	48.71	ug/L	99
33) carbon disulfide	5.10	76	201519	42.43	ug/L	98
34) methylene chloride	5.51	84	75264	46.51	ug/L	96
35) methyl acetate	5.36	43	54904	53.17	ug/L	99
36) methyl tert butyl ether	5.88	73	191126	48.22	ug/L	99
37) trans-1,2-dichloroethene	5.91	96	58966	39.83	ug/L	97
38) di-isopropyl ether	6.59	45	239569	45.05	ug/L	98
39) 2-butanone	7.47	72	7877	46.43	ug/L	100
40) 1,1-dichloroethane	6.54	63	121643	44.93	ug/L	99
41) chloroprene	6.67	53	73706	38.47	ug/L	96
42) acrylonitrile	5.90	53	130367	268.79	ug/L	97
44) ethyl tert-butyl ether	7.12	59	183364	42.36	ug/L	98
46) 2,2-dichloropropane	7.38	77	84376	39.18	ug/L	96
47) cis-1,2-dichloroethene	7.41	96	87435	54.23	ug/L	90
48) propionitrile	7.52	54	101652	540.86	ug/L	98
49) bromochloromethane	7.75	128	39536	53.39	ug/L	91
50) tetrahydrofuran	7.82	42	23596	48.67	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104437.D
 Acq On : 7 Oct 2010 9:50 pm
 Operator : alexm1
 Sample : BS
 Misc : MS3090,VY4442,5,,,,,1
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 11:50:25 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.85	83	116902	47.07	ug/L	98
52) tert-butyl formate	7.89	59	44400	39.59	ug/L #	95
55) freon 113	4.75	151	48161	44.43	ug/L	98
56) methacrylonitrile	7.74	67	26712	49.74	ug/L	96
57) 1,1,1-trichloroethane	8.10	97	89552	42.93	ug/L	97
58) Cyclohexane	8.15	84	97092	35.99	ug/L	95
60) epichlorohydrin	10.47	57	35272	269.80	ug/L	99
61) n-butyl alcohol	8.23	56	125871	2159.15	ug/L	97
62) carbon tetrachloride	8.32	117	77340	46.04	ug/L	100
63) 1,1-dichloropropene	8.32	75	84841	46.31	ug/L	98
64) hexane	6.27	86	14079	42.21	ug/L	96
66) benzene	8.60	78	277476	48.63	ug/L	99
67) 2,2,4-trimethylpentane	8.64	57	225780	42.10	ug/L	96
68) tert-amyl methyl ether	8.70	73	158012	43.74	ug/L	95
69) heptane	8.88	57	55220	43.05	ug/L	99
70) isopropyl acetate	8.65	61	36855	53.26	ug/L #	83
71) 1,2-dichloroethane	8.64	62	82722	56.08	ug/L	98
73) trichloroethene	9.43	95	68012	51.26	ug/L	93
76) 2-chloroethyl vinyl ether	10.36	63	126712	221.78	ug/L	98
77) ethyl acrylate	9.63	55	80172	40.46	ug/L #	100
78) methyl methacrylate	9.81	69	50901	55.05	ug/L	95
79) 1,2-dichloropropane	9.70	63	76402	52.78	ug/L	98
80) dibromomethane	9.87	93	42752	59.01	ug/L	97
81) methylcyclohexane	9.63	83	107781	44.91	ug/L	99
82) bromodichloromethane	10.04	83	95166	55.19	ug/L	97
83) cis-1,3-dichloropropene	10.55	75	123877	51.65	ug/L	97
85) 4-methyl-2-pentanone	10.71	58	27232	53.22	ug/L	97
86) toluene	10.93	92	173824	49.66	ug/L	98
87) 3-methyl-1-butanol	10.80	55	70322	997.67	ug/L	99
88) trans-1,3-dichloropropene	11.19	75	110850	54.22	ug/L	96
89) ethyl methacrylate	11.24	69	97750	53.74	ug/L	98
90) 1,1,2-trichloroethane	11.40	83	57233	59.81	ug/L	99
91) 2-hexanone	11.66	58	29111	52.29	ug/L	94
93) tetrachloroethene	11.56	164	62789	51.70	ug/L	96
94) 1,3-dichloropropane	11.60	76	114411	53.52	ug/L	95
95) butyl acetate	11.76	56	43439	48.78	ug/L	99
96) 3,3-dimethyl-1-butanol	11.87	57	75073	473.07	ug/L	99
97) dibromochloromethane	11.87	129	76348	56.81	ug/L	98
98) 1,2-dibromoethane	12.00	107	69502	60.57	ug/L	99
99) chlorobenzene	12.52	112	208587	51.42	ug/L	98
101) 1,1,1,2-tetrachloroethane	12.60	131	75395	52.86	ug/L	97
102) ethylbenzene	12.60	91	317084	46.08	ug/L	97
103) m,p-xylene	12.73	106	257553	93.71	ug/L	97
104) o-xylene	13.16	106	138749	50.51	ug/L	98
105) styrene	13.19	104	225806	49.66	ug/L	99
106) bromoform	13.44	173	57451	59.31	ug/L	98
108) isopropylbenzene	13.54	105	340922	46.75	ug/L	99
111) bromobenzene	13.93	156	94948	54.18	ug/L	95
112) 1,1,2,2-tetrachloroethane	13.89	83	93522	54.20	ug/L	98
113) trans-1,4-dichloro-2-buten	13.94	53	22698	52.86	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104437.D
Acq On : 7 Oct 2010 9:50 pm
Operator : alexm1
Sample : BS
Misc : MS3090,VY4442,5,,,,,1
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 08 11:50:25 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) 1,2,3-trichloropropane	13.94	110	25874	58.63	ug/L #	74
115) n-propylbenzene	13.98	91	362714	43.91	ug/L	98
117) 2-chlorotoluene	14.11	126	85398	50.46	ug/L	88
118) 4-chlorotoluene	14.22	91	230045	44.18	ug/L	98
119) 1,3,5-trimethylbenzene	14.15	105	275100	44.49	ug/L	98
120) tert-butylbenzene	14.48	119	248520	47.86	ug/L	97
121) pentachloroethane	14.55	167	61964	55.63	ug/L	99
122) 1,2,4-trimethylbenzene	14.53	105	277503	46.49	ug/L	99
123) sec-butylbenzene	14.70	105	363658	45.55	ug/L	97
124) 1,3-dichlorobenzene	14.86	146	172424	53.19	ug/L	98
125) p-isopropyltoluene	14.82	119	312200	48.31	ug/L	98
126) 1,4-dichlorobenzene	14.94	146	176358	48.73	ug/L	98
127) 1,2-dichlorobenzene	15.30	146	177627	55.66	ug/L	98
130) n-butylbenzene	15.21	92	148032	46.78	ug/L	97
132) 1,2-dibromo-3-chloropropan	15.98	75	16202	56.51	ug/L	86
133) 1,3,5-trichlorobenzene	16.15	180	145242	53.11	ug/L	100
134) 1,2,4-trichlorobenzene	16.65	180	123243	52.32	ug/L	99
135) hexachlorobutadiene	16.75	225	68593	48.60	ug/L	97
136) naphthalene	16.87	128	233236	49.61	ug/L	99
137) 1,2,3-trichlorobenzene	17.07	180	116299	54.80	ug/L	99
138) hexachloroethane	15.52	201	55116	52.50	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51507.D
 Acq On : 10 Oct 2010 5:30 am
 Operator : TAMIKAG
 Sample : BS
 Misc : MS3105,V3D2233,W,,,,,1
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 11 08:38:29 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.005	65	43955	500.00	ug/L	0.01
4) pentafluorobenzene	9.202	168	110045	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	148483	50.00	ug/L	0.00
78) chlorobenzene-d5	13.291	117	118141	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.614	152	60958	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.249	113	64115	42.64	ug/L	0.00
Spiked Amount 50.000	Range 76	- 120	Recovery	=	85.28%	
42) 1,2-dichloroethane-d4 (s)	9.668	65	73785	47.25	ug/L	0.00
Spiked Amount 50.000	Range 64	- 135	Recovery	=	94.50%	
70) toluene-d8 (s)	11.771	98	209531	45.38	ug/L	0.00
Spiked Amount 50.000	Range 76	- 117	Recovery	=	90.76%	
96) 4-bromofluorobenzene (s)	14.455	95	72917	49.49	ug/L	0.00
Spiked Amount 50.000	Range 72	- 122	Recovery	=	98.98%	
Target Compounds						
2) 1,4-dioxane	10.853	88	15295	1318.63	ug/L	98
3) tertiary butyl alcohol	7.110	59	33994	260.12	ug/L	97
5) chlorodifluoromethane	3.733	51	81056	48.27	ug/L	94
6) dichlorodifluoromethane	3.707	85	73618	29.14	ug/L	99
7) chloromethane	4.037	50	75212	26.20	ug/L	99
8) vinyl chloride	4.273	62	77936	30.01	ug/L	99
9) bromomethane	4.887	94	58389	36.74	ug/L	97
10) chloroethane	5.055	64	44139	36.31	ug/L	96
12) trichlorofluoromethane	5.474	101	107928	45.72	ug/L	95
13) ethyl ether	5.888	74	33557	42.07	ug/L	98
14) acrolein	6.145	56	107727	401.58	ug/L	99
15) 1,1-dichloroethene	6.297	96	63553	43.62	ug/L	95
16) acetone	6.428	43	17997	42.93	ug/L	95
17) allyl chloride	6.816	76	30779	38.51	ug/L	88
18) acetonitrile	6.811	40	53079	433.75	ug/L	94
19) iodomethane	6.570	142	122475	42.47	ug/L	94
20) iso-butyl alcohol	9.370	41	141922	430.14	ug/L	98
21) carbon disulfide	6.685	76	226551	41.08	ug/L	98
22) methylene chloride	7.010	84	72697	42.35	ug/L	94
23) methyl acetate	6.832	43	42100	41.00	ug/L	98
24) methyl tert butyl ether	7.320	73	210432	47.12	ug/L	97
25) trans-1,2-dichloroethene	7.372	96	63393	39.40	ug/L	98
26) di-isopropyl ether	7.912	45	209548	40.40	ug/L	96
27) ethyl tert-butyl ether	8.373	59	216181	44.38	ug/L	98
28) 2-butanone	8.683	72	6647	46.89	ug/L	78
29) 1,1-dichloroethane	7.938	63	124128	42.74	ug/L	98
30) chloroprene	8.048	53	84544	47.07	ug/L	96
31) acrylonitrile	7.351	53	114001	213.54	ug/L	98
32) vinyl acetate	7.959	86	6795	35.99	ug/L	80
33) ethyl acetate	8.683	45	8537	43.30	ug/L	58
34) 2,2-dichloropropane	8.667	77	75319	32.95	ug/L	98
35) cis-1,2-dichloroethene	8.678	96	84810	48.73	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51507.D
Acq On : 10 Oct 2010 5:30 am
Operator : TAMIKAG
Sample : BS
Misc : MS3105,V3D2233,W,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 11 08:38:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) propionitrile	8.756	54	87628	436.53	ug/L	96
37) bromochloromethane	8.987	128	37887	44.95	ug/L	97
38) tetrahydrofuran	9.039	42	20229	40.43	ug/L	96
39) chloroform	9.045	83	129676	48.99	ug/L	99
40) Tert-Butyl Formate	9.071	59	55366	39.95	ug/L	95
43) freon 113	6.266	151	56126	47.43	ug/L	100
44) methacrylonitrile	8.945	41	34033	40.60	ug/L	99
45) 1,1,1-trichloroethane	9.286	97	115860	48.87	ug/L	98
47) 2,2,4-Trimethylpentane	9.716	57	210334	37.10	ug/L	96
48) tert-amyl methyl ether	9.758	73	208633	44.12	ug/L	99
50) epichlorohydrin	11.404	57	24008	206.66	ug/L	95
51) n-butyl alcohol	10.266	56	77645	2215.03	ug/L	97
52) cyclohexane	9.343	84	97051	46.46	ug/L	99
53) carbon tetrachloride	9.485	117	102523	56.18	ug/L	99
54) 1,1-dichloropropene	9.469	75	94400	51.41	ug/L	99
55) hexane	7.666	57	66167	44.15	ug/L	99
56) benzene	9.731	78	274421	48.82	ug/L	99
57) heptane	9.899	57	33576	39.14	ug/L	94
58) isopropyl acetate	9.668	43	117261	46.84	ug/L	98
59) 1,2-dichloroethane	9.758	62	92117	55.12	ug/L	98
60) trichloroethene	10.455	95	74352	52.35	ug/L	98
63) 2-chloroethyl vinyl ether	11.262	63	183583	237.68	ug/L	99
64) methyl methacrylate	10.738	41	95023	49.86	ug/L	99
65) 1,2-dichloropropane	10.722	63	67983	47.65	ug/L	95
66) methylcyclohexane	10.659	83	104219	47.65	ug/L	99
67) dibromomethane	10.890	93	44277	50.47	ug/L	95
68) bromodichloromethane	11.021	83	94733	51.54	ug/L	100
69) cis-1,3-dichloropropene	11.483	75	100962	44.34	ug/L	94
71) 4-methyl-2-pentanone	11.587	58	23444	52.31	ug/L	97
72) toluene	11.844	92	160547	47.12	ug/L	99
73) 3-methyl-1-butanol	11.619	70	27106	932.06	ug/L	95
74) trans-1,3-dichloropropene	12.059	75	90013	47.41	ug/L	96
75) ethyl methacrylate	12.049	69	73088	47.24	ug/L	99
76) 1,1,2-trichloroethane	12.269	83	48431	47.05	ug/L	98
77) 2-hexanone	12.458	58	21716	48.08	ug/L	99
79) tetrachloroethene	12.432	166	118332	81.55	ug/L	98
80) 1,3-dichloropropane	12.452	76	88075	48.53	ug/L	99
81) butyl acetate	12.526	56	32083	48.11	ug/L	98
82) 3,3-Dimethyl-1-Butanol	12.620	57	50526	425.21	ug/L	98
83) dibromochloromethane	12.715	129	70023	50.00	ug/L	98
84) 1,2-dibromoethane	12.861	107	58721	50.12	ug/L	99
86) chlorobenzene	13.323	112	169067	49.68	ug/L	95
87) 1,1,1,2-tetrachloroethane	13.386	131	68667	51.76	ug/L	97
88) ethylbenzene	13.375	91	288301	50.87	ug/L	99
89) m,p-xylene	13.485	106	221798	98.36	ug/L	95
90) o-xylene	13.905	106	111228	50.10	ug/L	92
91) styrene	13.921	104	175503	47.49	ug/L	98
93) bromoform	14.183	173	46861	50.02	ug/L	97
95) isopropylbenzene	14.246	105	291701	53.15	ug/L	99
97) bromobenzene	14.644	156	75481	51.70	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51507.D
Acq On : 10 Oct 2010 5:30 am
Operator : TAMIKAG
Sample : BS
Misc : MS3105,V3D2233,W,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 11 08:38:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

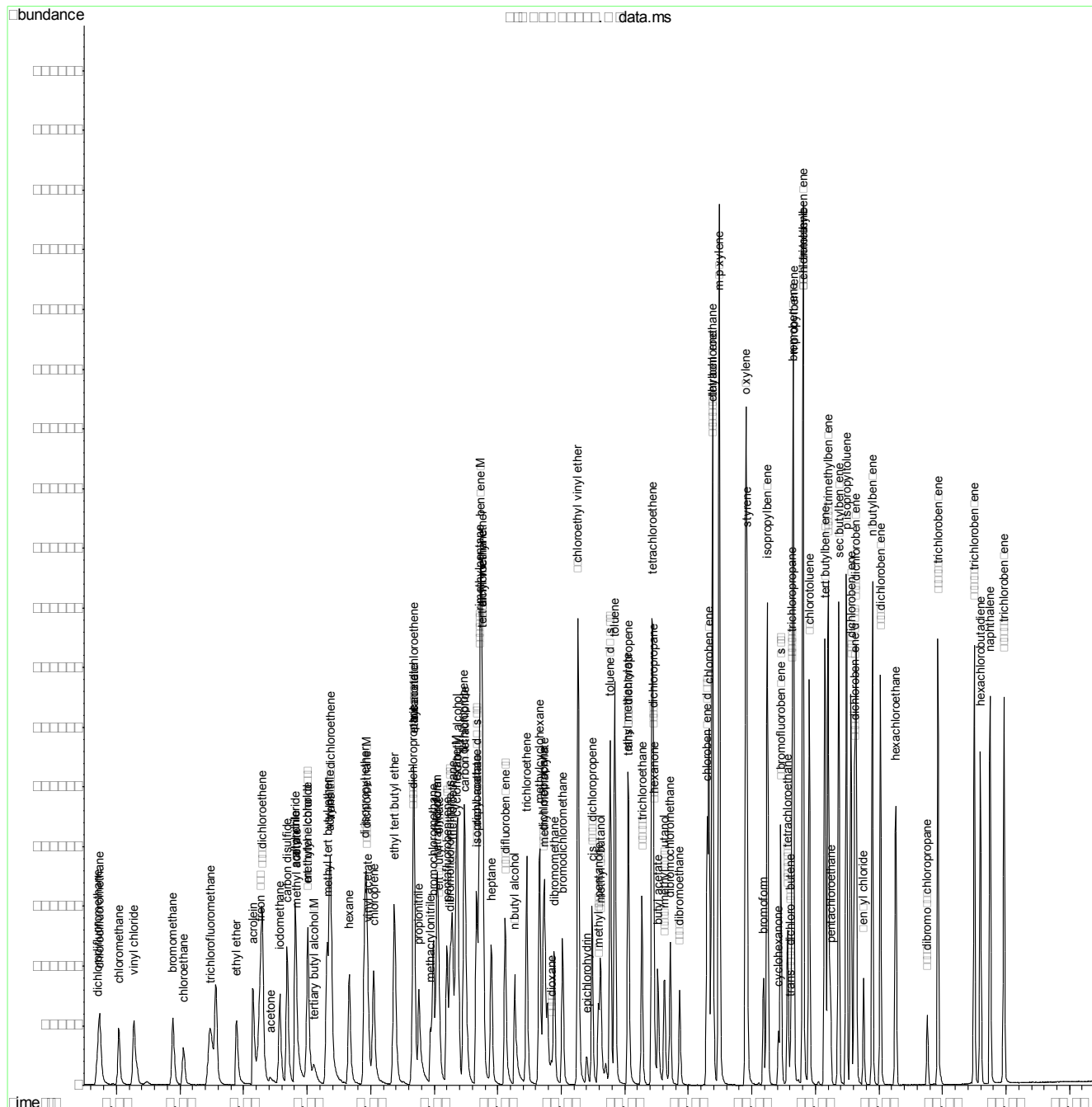
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) cyclohexanone	14.419	55	20306	157.41	ug/L	95
99) 1,1,2,2-tetrachloroethane	14.560	83	69150	46.97	ug/L	99
100) trans-1,4-dichloro-2-b...	14.607	53	6371	19.84	ug/L	97
101) 1,2,3-trichloropropane	14.634	110	17487	54.47	ug/L	96
102) n-propylbenzene	14.655	91	326072	51.91	ug/L	99
104) 2-chlorotoluene	14.801	126	68340	51.46	ug/L	92
105) 4-chlorotoluene	14.901	126	67077	50.10	ug/L	88
106) 1,3,5-trimethylbenzene	14.807	105	246926	56.06	ug/L	97
107) tert-butylbenzene	15.153	119	204041	53.37	ug/L	96
108) pentachloroethane	15.237	167	16425	16.75	ug/L	92
109) 1,2,4-trimethylbenzene	15.200	105	243698	55.21	ug/L	97
110) sec-butylbenzene	15.368	105	308154	51.47	ug/L	100
111) 1,3-dichlorobenzene	15.562	146	143731	54.11	ug/L	98
112) p-isopropyltoluene	15.488	119	261297	55.45	ug/L	97
113) 1,4-dichlorobenzene	15.640	146	147267	52.07	ug/L	99
114) 1,2-dichlorobenzene	16.023	146	142143	53.06	ug/L	98
116) n-butylbenzene	15.897	92	133236	51.56	ug/L	97
118) 1,2-dibromo-3-chloropr...	16.762	75	14360	56.68	ug/L	89
119) 1,3,5-trichlorobenzene	16.930	180	120544	51.05	ug/L	99
120) 1,2,4-trichlorobenzene	17.502	180	114059	51.83	ug/L	98
121) hexachlorobutadiene	17.596	225	61001	50.91	ug/L	93
122) naphthalene	17.748	128	241615	51.62	ug/L	100
123) 1,2,3-trichlorobenzene	17.968	180	101652	50.76	ug/L	99
124) hexachloroethane	16.264	119	49011	47.00	ug/L	98
125) Benzyl chloride	15.756	91	67655	24.62	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51507.D
Acq On : 10 Oct 2010 5:30 am
Operator : TAMIKAG
Sample : BS
Misc : MS3105,V3D2233,W,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 11 08:38:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104438.D
 Acq On : 7 Oct 2010 10:20 pm
 Operator : alexm1
 Sample : JA58043-1MS
 Misc : MS3113,VY4442,4.9,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 11:51:01 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.58	65	61870	500.00	ug/L	0.00
4) pentafluorobenzene	8.11	168	130643	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	197237	50.00	ug/L	0.00
92) chlorobenzene-d5	12.49	117	189691	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	94284	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.09	113	72072	52.14	ug/L	0.00
Spiked Amount	50.000	Range	67 - 127	Recovery	=	104.28%
54) 1,2-dichloroethane-d4 (s)	8.54	65	81152	52.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 132	Recovery	=	105.74%
84) toluene-d8 (s)	10.86	98	277367	51.85	ug/L	0.00
Spiked Amount	50.000	Range	74 - 129	Recovery	=	103.70%
109) 4-bromofluorobenzene (s)	13.75	95	106452	48.62	ug/L	0.00
Spiked Amount	50.000	Range	62 - 138	Recovery	=	97.24%

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.71	59	52951	236.23	ug/L	92
3) 1,4-dioxane	9.87	88	22405	1477.43	ug/L #	16
10) chlorodifluoromethane	2.55	51	46436	27.38	ug/L	93
11) dichlorodifluoromethane	2.54	85	45466	22.40	ug/L	98
12) chloromethane	2.71	50	72568	29.67	ug/L	97
15) vinyl chloride	2.90	62	62253	30.06	ug/L	99
17) bromomethane	3.38	94	44710	32.96	ug/L	96
18) chloroethane	3.54	64	40101	31.54	ug/L	98
20) trichlorofluoromethane	3.95	101	63691	28.90	ug/L	98
21) Pentane	4.02	43	41632	15.27	ug/L	98
22) ethyl ether	4.36	74	39206	37.71	ug/L	96
26) acrolein	4.60	56	122178	408.91	ug/L	95
27) 1,1-dichloroethene	4.73	96	41902	30.44	ug/L	93
28) acetone	4.84	58	8281	46.03	ug/L #	82
29) allyl chloride	5.31	78	9071	30.98	ug/L	87
30) acetonitrile	5.30	40	50071	450.45	ug/L #	69
31) iodomethane	5.00	142	86417	35.71	ug/L	99
33) carbon disulfide	5.11	76	126859	26.04	ug/L	98
34) methylene chloride	5.51	84	58398	35.18	ug/L	95
35) methyl acetate	5.35	43	76686	72.39	ug/L	98
36) methyl tert butyl ether	5.89	73	163064	40.10	ug/L	98
37) trans-1,2-dichloroethene	5.92	96	40450	26.63	ug/L	95
38) di-isopropyl ether	6.59	45	190469	34.91	ug/L	98
39) 2-butanone	7.47	72	8484	48.75	ug/L	47
40) 1,1-dichloroethane	6.54	63	91986	33.12	ug/L	97
41) chloroprene	6.68	53	50655	25.78	ug/L	95
42) acrylonitrile	5.90	53	112407	225.93	ug/L	95
44) ethyl tert-butyl ether	7.12	59	151874	34.20	ug/L	98
46) 2,2-dichloropropane	7.39	77	59802	27.07	ug/L	94
47) cis-1,2-dichloroethene	7.41	96	61978	37.47	ug/L	88
48) propionitrile	7.52	54	93185	483.33	ug/L	97
49) bromochloromethane	7.76	128	30062	39.58	ug/L	88
50) tetrahydrofuran	7.82	42	18779	37.54	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104438.D
 Acq On : 7 Oct 2010 10:20 pm
 Operator : alexm1
 Sample : JA58043-1MS
 Misc : MS3113,VY4442,4.9,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 11:51:01 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.86	83	85887	33.71	ug/L	99
52) tert-butyl formate	7.91	59	8147	7.08	ug/L #	92
55) freon 113	4.74	151	29371	26.41	ug/L	92
56) methacrylonitrile	7.75	67	21047	38.82	ug/L	97
57) 1,1,1-trichloroethane	8.09	97	60272	28.17	ug/L	99
58) Cyclohexane	8.15	84	49305	17.81	ug/L	96
60) epichlorohydrin	10.48	57	32268	232.00	ug/L	97
61) n-butyl alcohol	8.23	56	82171	1324.90	ug/L	99
62) carbon tetrachloride	8.32	117	48033	26.87	ug/L	99
63) 1,1-dichloropropene	8.32	75	49533	25.41	ug/L	98
64) hexane	6.29	86	4754	13.40	ug/L #	77
66) benzene	8.60	78	191488	31.54	ug/L	99
67) 2,2,4-trimethylpentane	8.65	57	62427	10.94	ug/L #	1
68) tert-amyl methyl ether	8.70	73	131428	34.20	ug/L	94
69) heptane	8.89	57	13225	9.69	ug/L	97
70) isopropyl acetate	8.65	61	29231	39.71	ug/L #	64
71) 1,2-dichloroethane	8.64	62	64339	41.00	ug/L	97
73) trichloroethene	9.43	95	42929	30.41	ug/L	99
76) 2-chloroethyl vinyl ether	10.37	63	94869	156.08	ug/L	99
77) ethyl acrylate	9.63	55	29191	13.85	ug/L #	100
78) methyl methacrylate	9.82	69	45147	45.90	ug/L	94
79) 1,2-dichloropropane	9.70	63	54135	35.15	ug/L	98
80) dibromomethane	9.87	93	31560	40.94	ug/L	94
81) methylcyclohexane	9.63	83	39301	15.39	ug/L	95
82) bromodichloromethane	10.04	83	65313	35.60	ug/L	100
83) cis-1,3-dichloropropene	10.56	75	81954	32.12	ug/L	96
85) 4-methyl-2-pentanone	10.71	58	26279	48.40	ug/L	96
86) toluene	10.94	92	104261	28.00	ug/L	100
87) 3-methyl-1-butanol	10.80	55	69935	932.61	ug/L	100
88) trans-1,3-dichloropropene	11.20	75	71782	33.00	ug/L	97
89) ethyl methacrylate	11.25	69	65143	33.66	ug/L	97
90) 1,1,2-trichloroethane	11.41	83	41351	40.62	ug/L	97
91) 2-hexanone	11.67	58	28329	47.51	ug/L	97
93) tetrachloroethene	11.56	164	45393	35.11	ug/L	94
94) 1,3-dichloropropane	11.60	76	82435	36.23	ug/L	94
95) butyl acetate	11.77	56	21761	24.09	ug/L	93
96) 3,3-dimethyl-1-butanol	11.88	57	68893	407.86	ug/L	98
97) dibromochloromethane	11.87	129	50354	35.20	ug/L	97
98) 1,2-dibromoethane	12.01	107	47792	39.13	ug/L	99
99) chlorobenzene	12.53	112	111059	25.72	ug/L	98
101) 1,1,1,2-tetrachloroethane	12.60	131	45310	29.85	ug/L	96
102) ethylbenzene	12.61	91	161234	22.01	ug/L	98
103) m,p-xylene	12.73	106	128711	44.00	ug/L	100
104) o-xylene	13.17	106	69962	23.93	ug/L	95
105) styrene	13.20	104	112343	23.21	ug/L	98
106) bromoform	13.44	173	36153	35.06	ug/L	97
108) isopropylbenzene	13.55	105	147671	19.10	ug/L	98
111) bromobenzene	13.93	156	45173	24.32	ug/L	99
112) 1,1,2,2-tetrachloroethane	13.89	83	58038	31.73	ug/L	97
113) trans-1,4-dichloro-2-buten	13.94	53	14132	31.05	ug/L #	77

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104438.D
 Acq On : 7 Oct 2010 10:20 pm
 Operator : alexm1
 Sample : JA58043-1MS
 Misc : MS3113,VY4442,4.9,,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 08 11:51:01 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) 1,2,3-trichloropropane	13.94	110	17638	37.71	ug/L #	65
115) n-propylbenzene	13.98	91	144742	16.53	ug/L	100
117) 2-chlorotoluene	14.11	126	36163	20.16	ug/L	88
118) 4-chlorotoluene	14.22	91	95630	17.33	ug/L	98
119) 1,3,5-trimethylbenzene	14.15	105	111537	17.02	ug/L	98
120) tert-butylbenzene	14.49	119	91095	16.55	ug/L	96
121) pentachloroethane	14.55	167	13231	11.21	ug/L	97
122) 1,2,4-trimethylbenzene	14.54	105	111609	17.64	ug/L	99
123) sec-butylbenzene	14.70	105	120241	14.21	ug/L	99
124) 1,3-dichlorobenzene	14.86	146	65919	19.18	ug/L	96
125) p-isopropyltoluene	14.82	119	102695	14.99	ug/L	98
126) 1,4-dichlorobenzene	14.94	146	66498	17.33	ug/L	97
127) 1,2-dichlorobenzene	15.30	146	70461	20.83	ug/L	97
130) n-butylbenzene	15.22	92	40377	12.04	ug/L	99
132) 1,2-dibromo-3-chloropropan	15.98	75	9481	31.19	ug/L	94
133) 1,3,5-trichlorobenzene	16.16	180	35707	12.32	ug/L	99
134) 1,2,4-trichlorobenzene	16.66	180	27678	11.09	ug/L	97
135) hexachlorobutadiene	16.75	225	14407	9.63	ug/L	99
136) naphthalene	16.88	128	95005	20.51	ug/L	100
137) 1,2,3-trichlorobenzene	17.08	180	26951	11.98	ug/L	98
138) hexachloroethane	15.52	201	17491	15.72	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104439.D
 Acq On : 7 Oct 2010 10:49 pm
 Operator : alexm1
 Sample : JA58043-1MSD
 Misc : MS3113,VY4442,4.9,,,1
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 08 11:51:14 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.58	65	70914	500.00	ug/L	0.00
4) pentafluorobenzene	8.11	168	132365	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	194748	50.00	ug/L	0.00
92) chlorobenzene-d5	12.49	117	188768	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	92054	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.08	113	71478	51.04	ug/L	0.00
Spiked Amount	50.000	Range	67 - 127	Recovery	=	102.08%
54) 1,2-dichloroethane-d4 (s)	8.54	65	80465	51.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 132	Recovery	=	103.48%
84) toluene-d8 (s)	10.86	98	274373	51.95	ug/L	0.00
Spiked Amount	50.000	Range	74 - 129	Recovery	=	103.90%
109) 4-bromofluorobenzene (s)	13.75	95	104455	48.86	ug/L	0.00
Spiked Amount	50.000	Range	62 - 138	Recovery	=	97.72%

Target Compounds

Qvalue

2) tertiary butyl alcohol	5.70	59	54691	212.88	ug/L	93
3) 1,4-dioxane	9.87	88	22039	1281.26	ug/L #	14
10) chlorodifluoromethane	2.55	51	44412	25.85	ug/L	95
11) dichlorodifluoromethane	2.54	85	44628	21.70	ug/L	97
12) chloromethane	2.72	50	70666	28.52	ug/L	97
15) vinyl chloride	2.90	62	60195	28.69	ug/L	95
17) bromomethane	3.38	94	43342	31.54	ug/L	97
18) chloroethane	3.55	64	38648	30.00	ug/L	98
20) trichlorofluoromethane	3.94	101	60639	27.15	ug/L	99
21) Pentane	4.01	43	37636	13.62	ug/L	98
22) ethyl ether	4.35	74	39231	37.24	ug/L	99
26) acrolein	4.59	56	120669	398.61	ug/L	96
27) 1,1-dichloroethene	4.74	96	40609	29.11	ug/L	90
28) acetone	4.86	58	8759	47.95	ug/L #	94
29) allyl chloride	5.30	78	8802	29.67	ug/L	88
30) acetonitrile	5.30	40	49246	437.26	ug/L #	59
31) iodomethane	4.99	142	84217	34.34	ug/L	100
33) carbon disulfide	5.10	76	118049	23.91	ug/L	96
34) methylene chloride	5.51	84	57743	34.34	ug/L	91
35) methyl acetate	5.35	43	82211	76.60	ug/L	99
36) methyl tert butyl ether	5.89	73	160635	38.99	ug/L	99
37) trans-1,2-dichloroethene	5.91	96	38429	24.97	ug/L	96
38) di-isopropyl ether	6.60	45	187757	33.97	ug/L	96
39) 2-butanone	7.47	72	8858	50.23	ug/L #	32
40) 1,1-dichloroethane	6.55	63	89214	31.70	ug/L	99
41) chloroprene	6.68	53	48063	24.14	ug/L	96
42) acrylonitrile	5.91	53	114432	227.00	ug/L	98
44) ethyl tert-butyl ether	7.12	59	147799	32.85	ug/L	99
46) 2,2-dichloropropane	7.38	77	57595	25.73	ug/L	93
47) cis-1,2-dichloroethene	7.41	96	59769	35.67	ug/L	91
48) propionitrile	7.53	54	96019	491.55	ug/L	97
49) bromochloromethane	7.76	128	29688	38.57	ug/L	86
50) tetrahydrofuran	7.82	42	20174	39.86	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104439.D
 Acq On : 7 Oct 2010 10:49 pm
 Operator : alexm1
 Sample : JA58043-1MSD
 Misc : MS3113,VY4442,4.9,,,1
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 08 11:51:14 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.86	83	83908	32.50	ug/L	98
52) tert-butyl formate	7.91	59	6951	5.96	ug/L #	96
55) freon 113	4.75	151	27495	24.41	ug/L	98
56) methacrylonitrile	7.75	67	22715	41.18	ug/L	87
57) 1,1,1-trichloroethane	8.10	97	57936	26.72	ug/L	96
58) Cyclohexane	8.16	84	44812	15.98	ug/L	95
60) epichlorohydrin	10.48	57	33389	243.13	ug/L	97
61) n-butyl alcohol	8.23	56	76653	1251.72	ug/L	96
62) carbon tetrachloride	8.32	117	45857	25.99	ug/L	98
63) 1,1-dichloropropene	8.33	75	50205	26.09	ug/L	100
64) hexane	6.29	86	4268	12.18	ug/L #	55
66) benzene	8.60	78	187298	31.25	ug/L	100
67) 2,2,4-trimethylpentane	8.65	57	54634	9.70	ug/L #	1
68) tert-amyl methyl ether	8.70	73	129037	34.01	ug/L	94
69) heptane	8.89	57	12796	9.50	ug/L	93
70) isopropyl acetate	8.65	61	28473	39.17	ug/L #	68
71) 1,2-dichloroethane	8.64	62	63950	41.27	ug/L	96
73) trichloroethene	9.44	95	41025	29.43	ug/L	95
76) 2-chloroethyl vinyl ether	10.36	63	95298	158.79	ug/L	98
77) ethyl acrylate	9.63	55	27901	13.40	ug/L #	97
78) methyl methacrylate	9.81	69	47718	49.13	ug/L	92
79) 1,2-dichloropropane	9.70	63	53451	35.15	ug/L	97
80) dibromomethane	9.87	93	31560	41.47	ug/L	97
81) methylcyclohexane	9.63	83	33778	13.40	ug/L	96
82) bromodichloromethane	10.04	83	64524	35.62	ug/L	96
83) cis-1,3-dichloropropene	10.56	75	82146	32.61	ug/L	96
85) 4-methyl-2-pentanone	10.71	58	26930	50.18	ug/L	96
86) toluene	10.94	92	99447	27.05	ug/L	99
87) 3-methyl-1-butanol	10.80	55	70169	947.69	ug/L	97
88) trans-1,3-dichloropropene	11.20	75	70035	32.61	ug/L	95
89) ethyl methacrylate	11.25	69	68093	35.63	ug/L	97
90) 1,1,2-trichloroethane	11.41	83	41385	41.17	ug/L	98
91) 2-hexanone	11.66	58	29663	50.61	ug/L	99
93) tetrachloroethene	11.56	164	41232	32.05	ug/L	97
94) 1,3-dichloropropane	11.60	76	82658	36.50	ug/L	97
95) butyl acetate	11.77	56	19474	21.87	ug/L	94
96) 3,3-dimethyl-1-butanol	11.87	57	71872	427.58	ug/L	97
97) dibromochloromethane	11.87	129	50120	35.21	ug/L	99
98) 1,2-dibromoethane	12.01	107	47449	39.04	ug/L	97
99) chlorobenzene	12.53	112	104663	24.36	ug/L	95
101) 1,1,1,2-tetrachloroethane	12.60	131	42728	28.28	ug/L	96
102) ethylbenzene	12.61	91	147820	20.28	ug/L	97
103) m,p-xylene	12.73	106	117131	40.23	ug/L	97
104) o-xylene	13.17	106	64021	22.00	ug/L	100
105) styrene	13.20	104	104972	21.80	ug/L	98
106) bromoform	13.44	173	35663	34.76	ug/L	98
108) isopropylbenzene	13.55	105	131759	17.46	ug/L	99
111) bromobenzene	13.93	156	41732	23.01	ug/L	97
112) 1,1,2,2-tetrachloroethane	13.89	83	57277	32.07	ug/L	97
113) trans-1,4-dichloro-2-buten	13.94	53	14159	31.86	ug/L #	82

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104439.D
 Acq On : 7 Oct 2010 10:49 pm
 Operator : alexm1
 Sample : JA58043-1MSD
 Misc : MS3113,VY4442,4.9,,,,,1
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 08 11:51:14 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

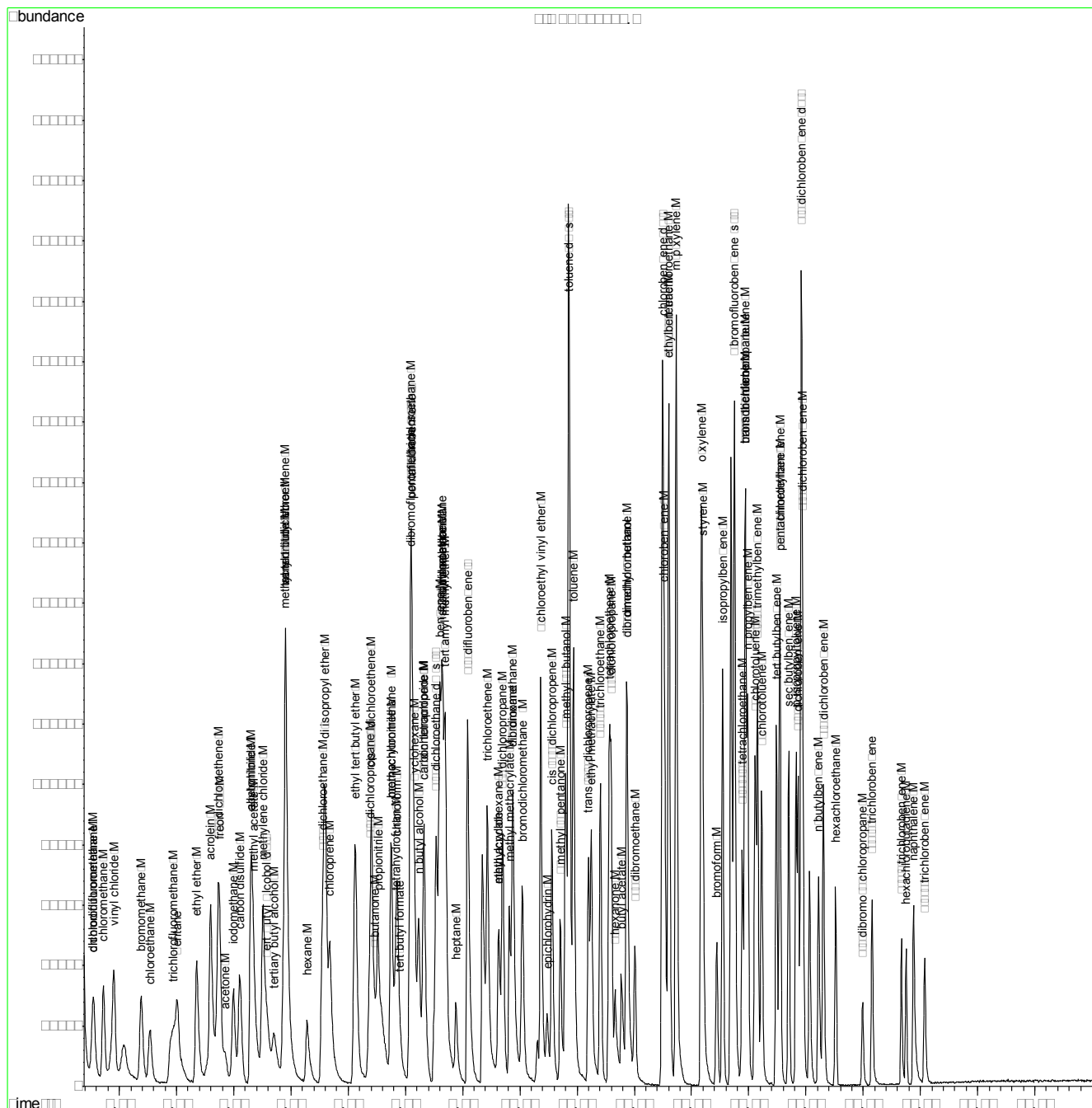
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) 1,2,3-trichloropropane	13.94	110	17772	38.91	ug/L #	61
115) n-propylbenzene	13.99	91	125060	14.63	ug/L	98
117) 2-chlorotoluene	14.11	126	31881	18.20	ug/L	92
118) 4-chlorotoluene	14.23	91	87005	16.15	ug/L	94
119) 1,3,5-trimethylbenzene	14.15	105	95560	14.93	ug/L	98
120) tert-butylbenzene	14.49	119	79374	14.77	ug/L	97
121) pentachloroethane	14.55	167	11930	10.35	ug/L	98
122) 1,2,4-trimethylbenzene	14.54	105	97045	15.71	ug/L	100
123) sec-butylbenzene	14.70	105	102688	12.43	ug/L	97
124) 1,3-dichlorobenzene	14.86	146	57547	17.15	ug/L	98
125) p-isopropyltoluene	14.83	119	89275	13.35	ug/L	98
126) 1,4-dichlorobenzene	14.94	146	60422	16.13	ug/L	98
127) 1,2-dichlorobenzene	15.30	146	62939	19.06	ug/L	100
130) n-butylbenzene	15.22	92	33848	10.33	ug/L	97
132) 1,2-dibromo-3-chloropropan	15.99	75	9399	31.67	ug/L	89
133) 1,3,5-trichlorobenzene	16.16	180	30782	10.88	ug/L	100
134) 1,2,4-trichlorobenzene	16.67	180	23338	9.57	ug/L	96
135) hexachlorobutadiene	16.75	225	12066	8.26	ug/L	94
136) naphthalene	16.88	128	86821	19.35	ug/L	99
137) 1,2,3-trichlorobenzene	17.08	180	22309	10.16	ug/L	98
138) hexachloroethane	15.52	201	15222	14.01	ug/L	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104439.D
Acq On : 7 Oct 2010 10:49 pm
Operator : alexm1
Sample : JA58043-1MSD
Misc : MS3113,VY4442,4.9,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 08 11:51:14 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51508.D
 Acq On : 10 Oct 2010 5:57 am
 Operator : TAMIKAG
 Sample : JA57971-5MS
 Misc : MS3124,V3D2233,W,,,1
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 11 08:38:40 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	6.989	65	42689	500.00	ug/L	0.00
4) pentafluorobenzene	9.202	168	110671	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.114	114	152352	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	120183	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	60586	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.249	113	64161	42.43	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	84.86%
42) 1,2-dichloroethane-d4 (s)	9.663	65	73701	46.93	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	93.86%
70) toluene-d8 (s)	11.771	98	212614	44.88	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	89.76%
96) 4-bromofluorobenzene (s)	14.455	95	73337	50.09	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	100.18%
Target Compounds						
2) 1,4-dioxane	10.843	88	16592	1472.87	ug/L	99
3) tertiary butyl alcohol	7.105	59	40658	320.34	ug/L	95
5) chlorodifluoromethane	3.728	51	39897	23.62	ug/L	94
6) dichlorodifluoromethane	3.702	85	42858	16.87	ug/L	97
7) chloromethane	4.032	50	78224	27.10	ug/L	99
8) vinyl chloride	4.268	62	57525	22.03	ug/L	99
9) bromomethane	4.882	94	60356	37.76	ug/L	98
10) chloroethane	5.049	64	39347	32.19	ug/L	98
12) trichlorofluoromethane	5.469	101	60535	25.50	ug/L	98
13) ethyl ether	5.888	74	23133	28.84	ug/L	100
14) acrolein	6.145	56	94137	348.93	ug/L	100
15) 1,1-dichloroethene	6.292	96	19588	13.37	ug/L	91
16) acetone	6.418	43	15809	36.91	ug/L	95
17) allyl chloride	6.816	76	15772	19.62	ug/L	# 39
18) acetonitrile	6.800	40	50570	410.91	ug/L	# 30
19) iodomethane	6.570	142	59661	20.57	ug/L	94
20) iso-butyl alcohol	9.375	41	49656	149.65	ug/L	91
21) carbon disulfide	6.690	76	66398	11.97	ug/L	98
22) methylene chloride	7.010	84	46562	26.97	ug/L	89
23) methyl acetate	6.832	43	34497	34.11	ug/L	98
24) methyl tert butyl ether	7.320	73	152331	33.92	ug/L	96
25) trans-1,2-dichloroethene	7.372	96	34302	21.20	ug/L	97
26) di-isopropyl ether	7.907	45	203229	38.96	ug/L	96
27) ethyl tert-butyl ether	8.373	59	216682	44.23	ug/L	98
28) 2-butanone	8.688	72	5378	37.72	ug/L	93
29) 1,1-dichloroethane	7.938	63	72659	24.88	ug/L	100
30) chloroprene	8.048	53	51950	28.76	ug/L	96
31) acrylonitrile	7.351	53	89564	166.82	ug/L	97
32) vinyl acetate	7.959	86	6196	33.25	ug/L	94
33) ethyl acetate	8.683	45	7489	37.77	ug/L	61
34) 2,2-dichloropropane	8.667	77	37440	16.29	ug/L	98
35) cis-1,2-dichloroethene	8.683	96	49878	28.50	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51508.D
Acq On : 10 Oct 2010 5:57 am
Operator : TAMIKAG
Sample : JA57971-5MS
Misc : MS3124,V3D2233,W,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 11 08:38:40 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) propionitrile	8.756	54	75848	375.71	ug/L	83
37) bromochloromethane	8.987	128	28047	33.09	ug/L	96
38) tetrahydrofuran	9.039	42	13610	27.05	ug/L	85
39) chloroform	9.044	83	86063	32.33	ug/L	99
40) Tert-Butyl Formate	9.286	59	678	0.49	ug/L #	24
43) freon 113	6.255	151	20909	17.57	ug/L	97
44) methacrylonitrile	8.950	41	37975	45.04	ug/L	96
45) 1,1,1-trichloroethane	9.286	97	54203	22.73	ug/L	97
47) 2,2,4-Trimethylpentane	9.716	57	79835	14.00	ug/L #	63
48) tert-amyl methyl ether	9.758	73	209510	44.06	ug/L	99
50) epichlorohydrin	11.420	57	4454	37.37	ug/L	98
51) n-butyl alcohol	10.261	56	86731	2411.40	ug/L	97
52) cyclohexane	9.349	84	24563	11.46	ug/L #	48
53) carbon tetrachloride	9.485	117	41903	22.38	ug/L	97
54) 1,1-dichloropropene	9.469	75	40960	21.74	ug/L	99
55) hexane	7.666	57	23192	15.08	ug/L	93
56) benzene	9.731	78	169019	29.31	ug/L	99
57) heptane	9.899	57	13977	15.88	ug/L	96
58) isopropyl acetate	9.668	43	97312	38.22	ug/L	95
59) 1,2-dichloroethane	9.752	62	71687	41.80	ug/L	98
60) trichloroethene	10.455	95	40921	28.08	ug/L	97
64) methyl methacrylate	10.738	41	78445	40.12	ug/L	96
65) 1,2-dichloropropane	10.722	63	49984	34.15	ug/L	90
66) methylcyclohexane	10.659	83	40371	17.99	ug/L	98
67) dibromomethane	10.890	93	35833	39.81	ug/L	96
68) bromodichloromethane	11.021	83	71747	38.04	ug/L	100
69) cis-1,3-dichloropropene	11.488	75	79746	34.13	ug/L	95
71) 4-methyl-2-pentanone	11.587	58	20593	44.78	ug/L	90
72) toluene	11.844	92	104281	29.83	ug/L	96
73) 3-methyl-1-butanol	11.619	70	29850	1000.34	ug/L	96
74) trans-1,3-dichloropropene	12.059	75	74483	38.24	ug/L	95
75) ethyl methacrylate	12.049	69	61789	38.92	ug/L	96
76) 1,1,2-trichloroethane	12.269	83	40978	38.80	ug/L	97
77) 2-hexanone	12.452	58	19420	41.90	ug/L	96
79) tetrachloroethene	12.431	166	38337	25.97	ug/L	97
80) 1,3-dichloropropane	12.452	76	73762	39.95	ug/L	99
81) butyl acetate	12.526	56	28522	42.04	ug/L	92
82) 3,3-Dimethyl-1-Butanol	12.625	57	55204	456.69	ug/L	99
83) dibromochloromethane	12.715	129	56451	39.62	ug/L	97
84) 1,2-dibromoethane	12.861	107	49462	41.50	ug/L	99
86) chlorobenzene	13.323	112	125794	36.33	ug/L	96
87) 1,1,1,2-tetrachloroethane	13.386	131	54124	40.10	ug/L	97
88) ethylbenzene	13.380	91	188162	32.64	ug/L	99
89) m,p-xylene	13.485	106	142648	62.18	ug/L	94
90) o-xylene	13.905	106	75955	33.63	ug/L	87
91) styrene	13.921	104	128030	34.06	ug/L	96
93) bromoform	14.188	173	36669	38.48	ug/L	99
95) isopropylbenzene	14.246	105	174301	31.95	ug/L	99
97) bromobenzene	14.644	156	61137	42.13	ug/L	97
98) cyclohexanone	14.419	55	16672	103.02	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51508.D
Acq On : 10 Oct 2010 5:57 am
Operator : TAMIKAG
Sample : JA57971-5MS
Misc : MS3124,V3D2233,W,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 11 08:38:40 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

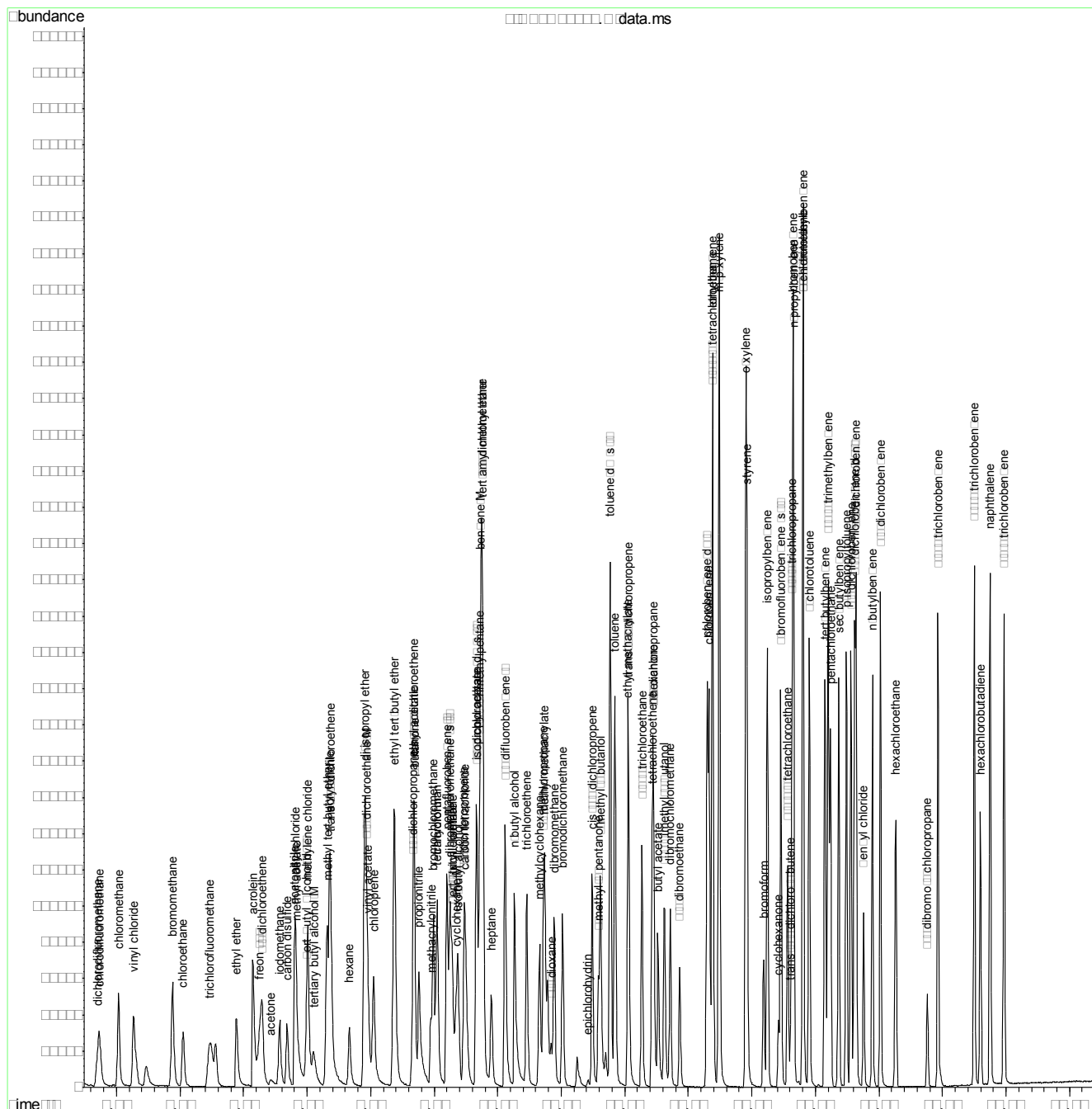
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
99)	1,1,2,2-tetrachloroethane	14.565	83	66116	45.19	ug/L	94
100)	trans-1,4-dichloro-2-b...	14.607	53	6858	21.49	ug/L	97
101)	1,2,3-trichloropropane	14.634	110	15562	48.77	ug/L	95
102)	n-propylbenzene	14.655	91	200441	32.10	ug/L	100
104)	2-chlorotoluene	14.801	126	47577	36.05	ug/L	97
105)	4-chlorotoluene	14.906	126	49360	37.09	ug/L	96
106)	1,3,5-trimethylbenzene	14.807	105	155171	35.45	ug/L	96
107)	tert-butylbenzene	15.153	119	121828	32.06	ug/L	96
108)	pentachloroethane	15.236	167	42488	43.59	ug/L	96
109)	1,2,4-trimethylbenzene	15.200	105	163220	37.20	ug/L	96
110)	sec-butylbenzene	15.368	105	168366	28.29	ug/L	99
111)	1,3-dichlorobenzene	15.562	146	105517	39.97	ug/L	99
112)	p-isopropyltoluene	15.488	119	148148	31.63	ug/L	97
113)	1,4-dichlorobenzene	15.640	146	113740	40.46	ug/L	96
114)	1,2-dichlorobenzene	16.023	146	111714	41.96	ug/L	98
116)	n-butylbenzene	15.897	92	70135	27.31	ug/L	100
118)	1,2-dibromo-3-chloropr...	16.762	75	12741	50.60	ug/L	96
119)	1,3,5-trichlorobenzene	16.930	180	84483	35.99	ug/L	99
120)	1,2,4-trichlorobenzene	17.502	180	87846	40.16	ug/L	99
121)	hexachlorobutadiene	17.601	225	33442	28.08	ug/L	95
122)	naphthalene	17.748	128	211088	45.37	ug/L	99
123)	1,2,3-trichlorobenzene	17.968	180	83416	41.91	ug/L	99
124)	hexachloroethane	16.264	119	31319	30.22	ug/L	100
125)	Benzyl chloride	15.756	91	72672	26.60	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51508.D
Acq On : 10 Oct 2010 5:57 am
Operator : TAMIKAG
Sample : JA57971-5MS
Misc : MS3124,V3D2233,W,,,,,1
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 11 08:38:40 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51509.D
 Acq On : 10 Oct 2010 6:24 am
 Operator : TAMIKAG
 Sample : JA57971-5MSD
 Misc : MS3124,V3D2233,W,,,1
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 11 08:38:43 2010

Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M

Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um

QLast Update : Thu Sep 16 16:32:30 2010

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	6.994	65	46101	500.00	ug/L	0.00
4) pentafluorobenzene	9.202	168	110011	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	149748	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	118686	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	60266	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.249	113	64257	42.75	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery =	85.50%		
42) 1,2-dichloroethane-d4 (s)	9.668	65	72805	46.64	ug/L	0.00
Spiked Amount 50.000	Range 64 - 135		Recovery =	93.28%		
70) toluene-d8 (s)	11.771	98	210451	45.19	ug/L	0.00
Spiked Amount 50.000	Range 76 - 117		Recovery =	90.38%		
96) 4-bromofluorobenzene (s)	14.455	95	72508	49.78	ug/L	0.00
Spiked Amount 50.000	Range 72 - 122		Recovery =	99.56%		
Target Compounds						
2) 1,4-dioxane	10.848	88	17338	1425.19	ug/L	98
3) tertiary butyl alcohol	7.105	59	43549	317.73	ug/L	93
5) chlorodifluoromethane	3.733	51	40064	23.86	ug/L	98
6) dichlorodifluoromethane	3.718	85	43608	17.27	ug/L	95
7) chloromethane	4.037	50	79178	27.59	ug/L	99
8) vinyl chloride	4.279	62	58347	22.48	ug/L	98
9) bromomethane	4.887	94	61929	38.98	ug/L	100
10) chloroethane	5.049	64	40224	33.10	ug/L	96
12) trichlorofluoromethane	5.479	101	61595	26.10	ug/L	97
13) ethyl ether	5.888	74	23218	29.12	ug/L	94
14) acrolein	6.150	56	90240	336.49	ug/L	98
15) 1,1-dichloroethene	6.297	96	19988	13.72	ug/L	99
16) acetone	6.433	43	16500	38.98	ug/L	99
17) allyl chloride	6.816	76	14554	18.21	ug/L	# 9
18) acetonitrile	6.806	40	52155	426.33	ug/L	# 37
19) iodomethane	6.570	142	60846	21.11	ug/L	94
20) iso-butyl alcohol	9.380	41	50204	152.21	ug/L	88
21) carbon disulfide	6.690	76	64599	11.72	ug/L	98
22) methylene chloride	7.015	84	47042	27.41	ug/L	93
23) methyl acetate	6.837	43	35322	35.02	ug/L	97
24) methyl tert butyl ether	7.320	73	154996	34.72	ug/L	97
25) trans-1,2-dichloroethene	7.372	96	35090	21.81	ug/L	96
26) di-isopropyl ether	7.907	45	204245	39.39	ug/L	96
27) ethyl tert-butyl ether	8.379	59	217533	44.67	ug/L	99
28) 2-butanone	8.688	72	5483	38.69	ug/L	90
29) 1,1-dichloroethane	7.938	63	73296	25.24	ug/L	100
30) chloroprene	8.048	53	52889	29.46	ug/L	95
31) acrylonitrile	7.351	53	92565	173.44	ug/L	98
32) vinyl acetate	7.964	86	6439	34.46	ug/L	77
33) ethyl acetate	8.683	45	7676	38.94	ug/L	58
34) 2,2-dichloropropane	8.667	77	37810	16.55	ug/L	98
35) cis-1,2-dichloroethene	8.683	96	48908	28.11	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51509.D
 Acq On : 10 Oct 2010 6:24 am
 Operator : TAMIKAG
 Sample : JA57971-5MSD
 Misc : MS3124,V3D2233,W,,,,1
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 11 08:38:43 2010

Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M

Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um

QLast Update : Thu Sep 16 16:32:30 2010

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) propionitrile	8.756	54	77443	385.91	ug/L	79
37) bromochloromethane	8.992	128	27498	32.64	ug/L	96
38) tetrahydrofuran	9.039	42	14504	29.00	ug/L	86
39) chloroform	9.050	83	86946	32.86	ug/L	99
43) freon 113	6.260	151	21516	18.19	ug/L	97
44) methacrylonitrile	8.945	41	37792	45.10	ug/L	94
45) 1,1,1-trichloroethane	9.286	97	55706	23.50	ug/L	96
47) 2,2,4-Trimethylpentane	9.721	57	81801	14.43	ug/L #	63
48) tert-amyl methyl ether	9.758	73	211531	44.75	ug/L	99
50) epichlorohydrin	11.420	57	3919	33.45	ug/L	96
51) n-butyl alcohol	10.266	56	90212	2551.80	ug/L	99
52) cyclohexane	9.349	84	25227	11.97	ug/L #	1
53) carbon tetrachloride	9.485	117	42395	23.04	ug/L	99
54) 1,1-dichloropropene	9.474	75	40410	21.82	ug/L	96
55) hexane	7.666	57	22966	15.19	ug/L	99
56) benzene	9.731	78	169498	29.90	ug/L	99
57) heptane	9.904	57	14274	16.50	ug/L	97
58) isopropyl acetate	9.668	43	99996	39.88	ug/L	96
59) 1,2-dichloroethane	9.758	62	71134	42.20	ug/L	97
60) trichloroethene	10.455	95	41493	28.97	ug/L	94
64) methyl methacrylate	10.738	41	76136	39.62	ug/L	99
65) 1,2-dichloropropane	10.722	63	49241	34.22	ug/L	90
66) methylcyclohexane	10.665	83	41635	18.88	ug/L	95
67) dibromomethane	10.890	93	36058	40.75	ug/L	98
68) bromodichloromethane	11.021	83	70527	38.05	ug/L	98
69) cis-1,3-dichloropropene	11.488	75	78247	34.07	ug/L	95
71) 4-methyl-2-pentanone	11.587	58	20897	46.23	ug/L	89
72) toluene	11.844	92	102789	29.91	ug/L	99
73) 3-methyl-1-butanol	11.619	70	31133	1061.48	ug/L	97
74) trans-1,3-dichloropropene	12.059	75	73246	38.25	ug/L	95
75) ethyl methacrylate	12.049	69	59592	38.19	ug/L	99
76) 1,1,2-trichloroethane	12.269	83	40667	39.17	ug/L	99
77) 2-hexanone	12.452	58	19227	42.21	ug/L	92
79) tetrachloroethene	12.432	166	38439	26.37	ug/L	98
80) 1,3-dichloropropane	12.452	76	72776	39.92	ug/L	99
81) butyl acetate	12.526	56	27681	41.32	ug/L	98
82) 3,3-Dimethyl-1-Butanol	12.620	57	58705	491.77	ug/L	98
83) dibromochloromethane	12.720	129	55261	39.28	ug/L	99
84) 1,2-dibromoethane	12.867	107	49875	42.38	ug/L	99
86) chlorobenzene	13.323	112	123641	36.16	ug/L	95
87) 1,1,1,2-tetrachloroethane	13.386	131	53615	40.22	ug/L	99
88) ethylbenzene	13.375	91	184967	32.49	ug/L	98
89) m,p-xylene	13.485	106	140375	61.97	ug/L	95
90) o-xylene	13.905	106	75371	33.79	ug/L	93
91) styrene	13.921	104	125395	33.78	ug/L	97
93) bromoform	14.188	173	35377	37.59	ug/L	99
95) isopropylbenzene	14.246	105	176245	32.48	ug/L	99
97) bromobenzene	14.644	156	60289	41.77	ug/L	95
98) cyclohexanone	14.419	55	17657	119.74	ug/L	96
99) 1,1,2,2-tetrachloroethane	14.565	83	66769	45.88	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File : 3D51509.D
Acq On : 10 Oct 2010 6:24 am
Operator : TAMIKAG
Sample : JA57971-5MSD
Misc : MS3124,V3D2233,W,,,,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 11 08:38:43 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

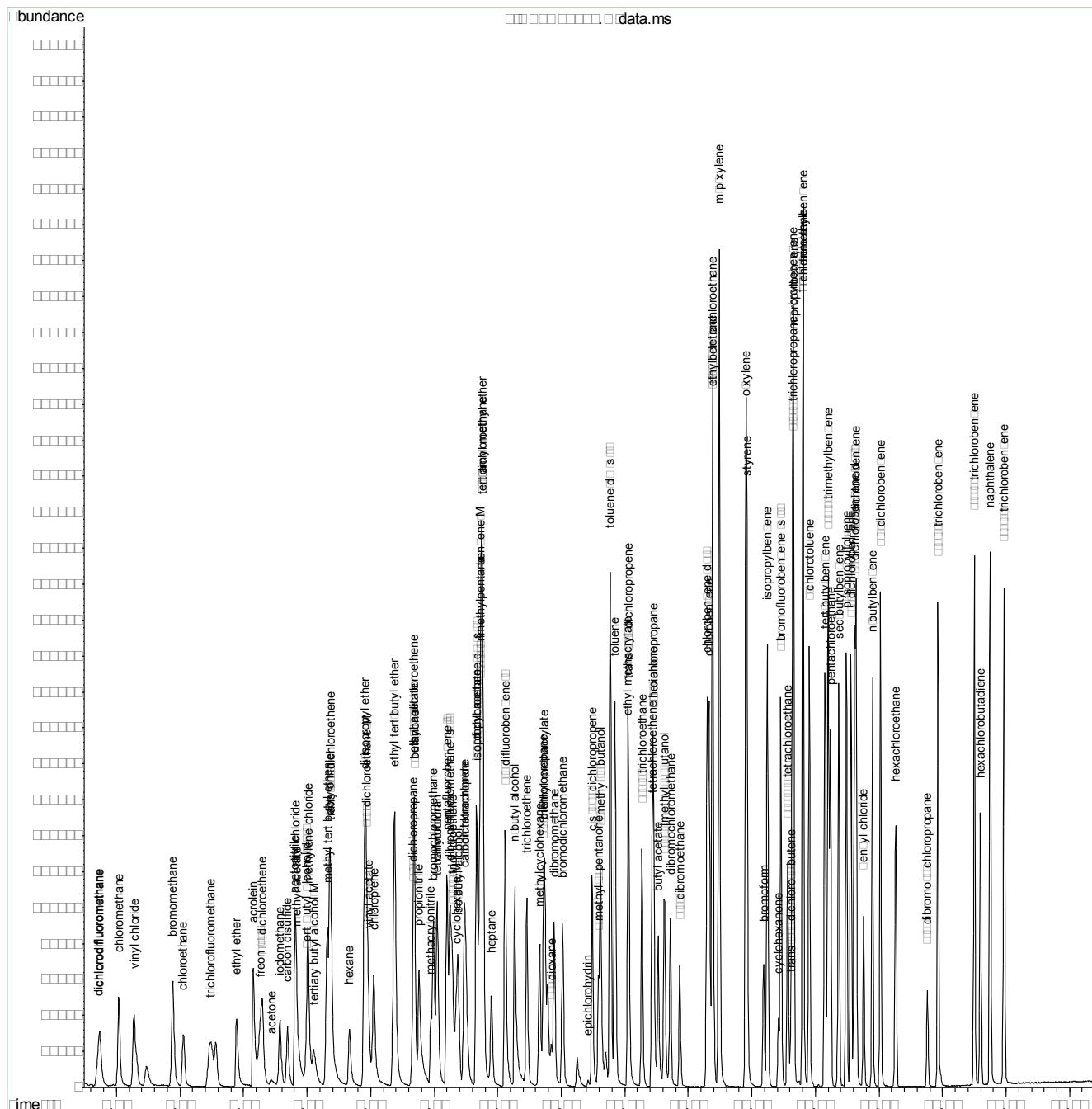
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
100) trans-1,4-dichloro-2-b...	14.613	53	5874	18.51	ug/L #	39
101) 1,2,3-trichloropropane	14.639	110	16019	50.47	ug/L	94
102) n-propylbenzene	14.655	91	201069	32.37	ug/L	99
104) 2-chlorotoluene	14.801	126	47440	36.13	ug/L	93
105) 4-chlorotoluene	14.901	126	49514	37.41	ug/L	93
106) 1,3,5-trimethylbenzene	14.807	105	155983	35.82	ug/L	96
107) tert-butylbenzene	15.153	119	123124	32.57	ug/L	95
108) pentachloroethane	15.237	167	41878	43.19	ug/L	96
109) 1,2,4-trimethylbenzene	15.200	105	162377	37.21	ug/L	98
110) sec-butylbenzene	15.368	105	170827	28.86	ug/L	99
111) 1,3-dichlorobenzene	15.562	146	104671	39.86	ug/L	99
112) p-isopropyltoluene	15.488	119	149323	32.05	ug/L	97
113) 1,4-dichlorobenzene	15.640	146	112039	40.07	ug/L	98
114) 1,2-dichlorobenzene	16.023	146	113150	42.72	ug/L	99
116) n-butylbenzene	15.897	92	71227	27.88	ug/L	99
118) 1,2-dibromo-3-chloropr...	16.762	75	13052	52.11	ug/L	94
119) 1,3,5-trichlorobenzene	16.930	180	85335	36.55	ug/L	99
120) 1,2,4-trichlorobenzene	17.502	180	88878	40.85	ug/L	99
121) hexachlorobutadiene	17.601	225	34405	29.05	ug/L	97
122) naphthalene	17.748	128	221300	47.82	ug/L	99
123) 1,2,3-trichlorobenzene	17.968	180	86373	43.63	ug/L	98
124) hexachloroethane	16.264	119	31400	30.46	ug/L	99
125) Benzyl chloride	15.756	91	72344	26.63	ug/L	98

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

Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\  
Data File : 3D51509.D  
Acq On    : 10 Oct 2010    6:24 am  
Operator  : TAMIKAG  
Sample    : JA57971-5MSD  
Misc      : MS3124,V3D2233,W,,,,,1  
ALS Vial  : 33    Sample Multiplier: 1
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Quant Time: Oct 11 08:38:43 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration

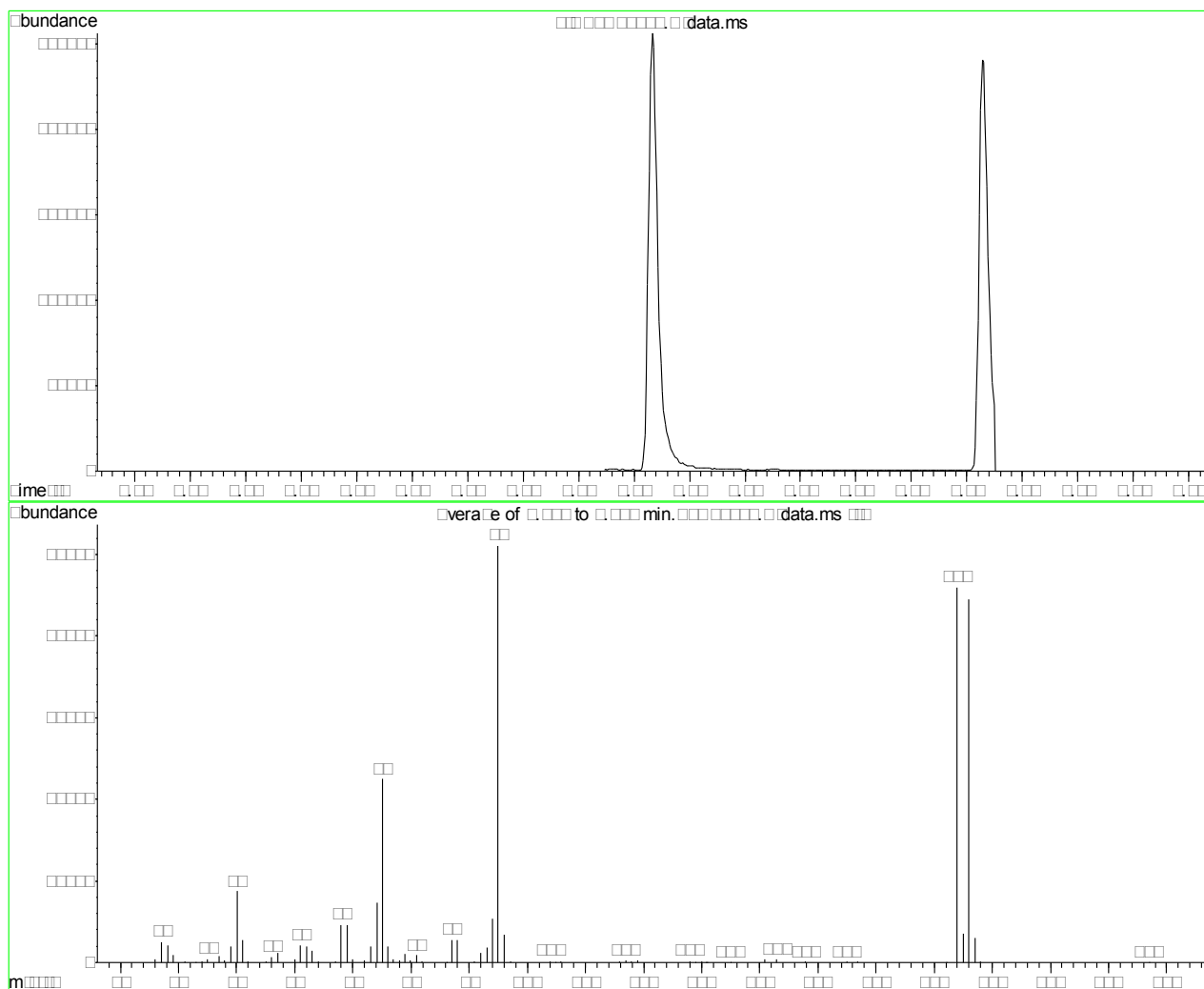


SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3D50534.D
Acq On : 16 Sep 2010 9:17 am
Sample : BFB
Misc : MS2005,V3D2195,W,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: TAMIKAG
Inst : MS3D
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\MBFB.M (RTE Integrator)
Title : SW-846 Method 8260



AutoFind: Scans 33, 34, 35; Background Corrected with Scan 23

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	8724	PASS
75	95	30	60	44.0	22496	PASS
95	95	100	100	100.0	51117	PASS
96	95	5	9	6.8	3453	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	90.0	46000	PASS
175	174	5	9	7.6	3484	PASS
176	174	95	101	96.7	44490	PASS
177	176	5	9	6.7	2980	PASS

Average of 7.260 to 7.270 min.: 3D50534.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	460	50.10	8724	66.95	138	78.90	1029
37.10	2488	51.05	2732	68.00	4639	79.95	294
38.10	2096	52.00	121	69.00	4576	80.95	916
39.05	860	55.05	157	70.00	335	81.95	196
41.05	71	56.00	666	72.05	260	86.10	34
43.00	31	57.05	1187	73.05	1929	87.00	2803
44.00	77	60.00	450	74.10	7397	88.00	2723
45.00	440	61.00	2150	75.00	22496	90.95	184
47.05	827	62.00	1950	76.05	1979	92.00	1230
47.95	264	63.00	1464	77.00	340	93.00	1860
49.00	1965	64.05	144	78.05	240	94.05	5317

Average of 7.260 to 7.270 min.: 3D50534.D\data.ms

BFB

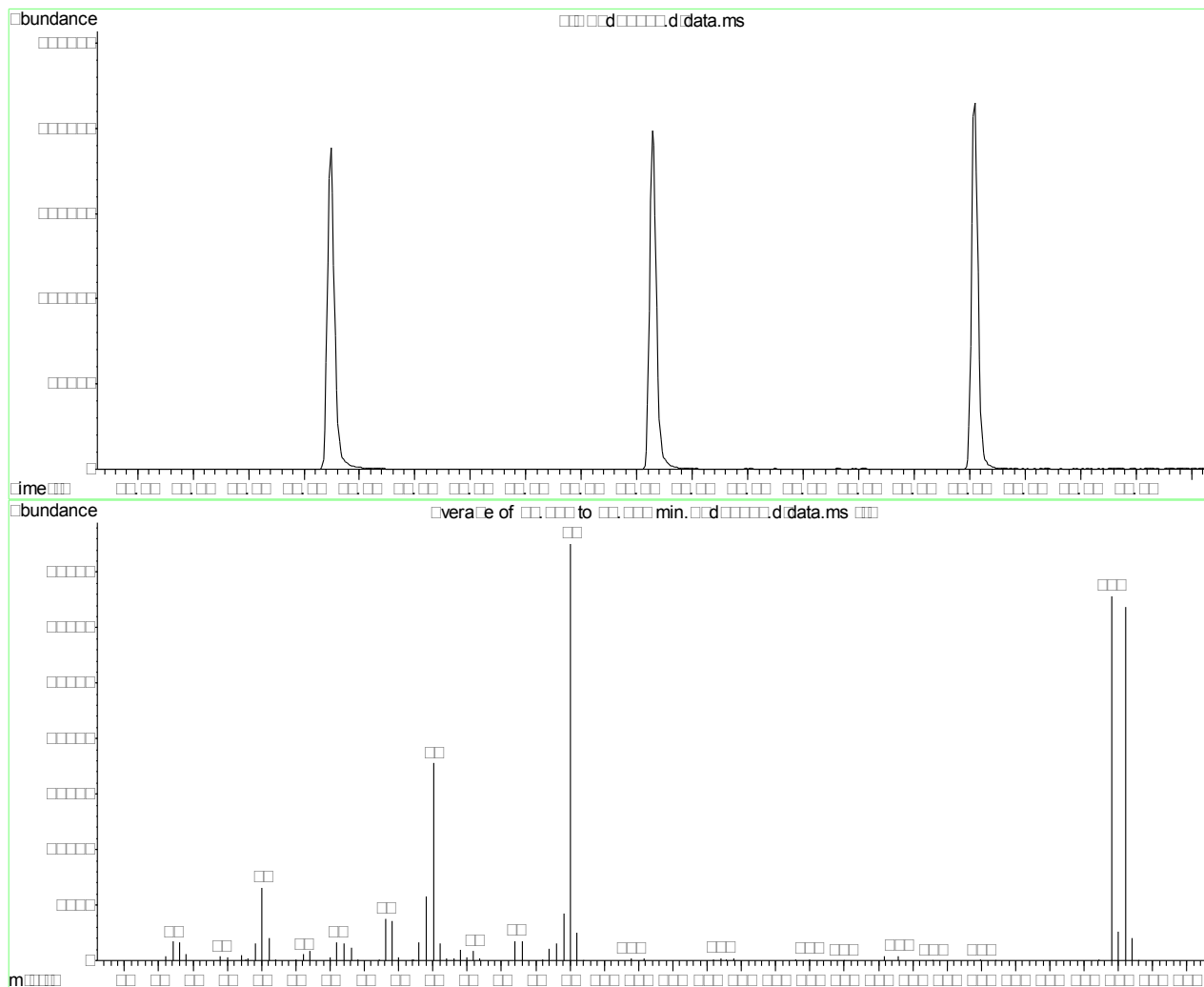
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	51117	128.90	53	173.95	46000		
96.10	3453	129.95	157	175.00	3484		
97.05	94	130.80	31	175.90	44490		
103.95	172	131.00	29	176.95	2980		
104.90	27	134.90	57	177.90	75		
105.85	155	140.90	385	206.90	26		
115.95	133	142.90	391				
116.95	258	147.85	75				
117.90	141	154.95	130				
118.95	225	156.90	94				
127.90	165	172.05	57				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\3D...\V3D2233-35\3d51503.d Vial: 27
Acq On : 10 Oct 2010 3:43 am Operator: TAMIKAG
Sample : BFB Inst : MS3D
Misc : MS3105,V3D2233,W,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M3D2195.M (RTE Integrator)
Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um



AutoFind: Scans 2091, 2092, 2093; Background Corrected with Scan 2084

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	6579	PASS
75	95	30	60	47.3	17781	PASS
95	95	100	100	100.0	37586	PASS
96	95	5	9	6.7	2525	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	87.3	32829	PASS
175	174	5	9	8.1	2647	PASS
176	174	95	101	97.2	31909	PASS
177	176	5	9	6.3	2002	PASS

Average of 14.450 to 14.460 min.: 3d51503.d\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	398	51.05	2026	68.05	3769	78.95	933
37.10	1707	52.00	66	69.00	3612	80.00	296
38.05	1631	54.95	100	70.05	269	80.90	906
39.05	620	56.05	544	71.95	134	81.85	210
44.00	368	57.05	906	72.20	76	87.00	1780
45.05	286	60.00	323	73.00	1599	88.00	1716
47.05	509	61.00	1667	74.05	5792	90.95	140
47.70	56	62.05	1519	75.10	17781	92.00	1046
48.05	205	63.05	1165	76.05	1537	93.00	1581
49.10	1546	64.00	117	77.05	201	94.05	4193
50.10	6579	67.10	99	78.00	165	95.10	37586

Average of 14.450 to 14.460 min.: 3d51503.d\data.ms

BFB

Modified:subtracted

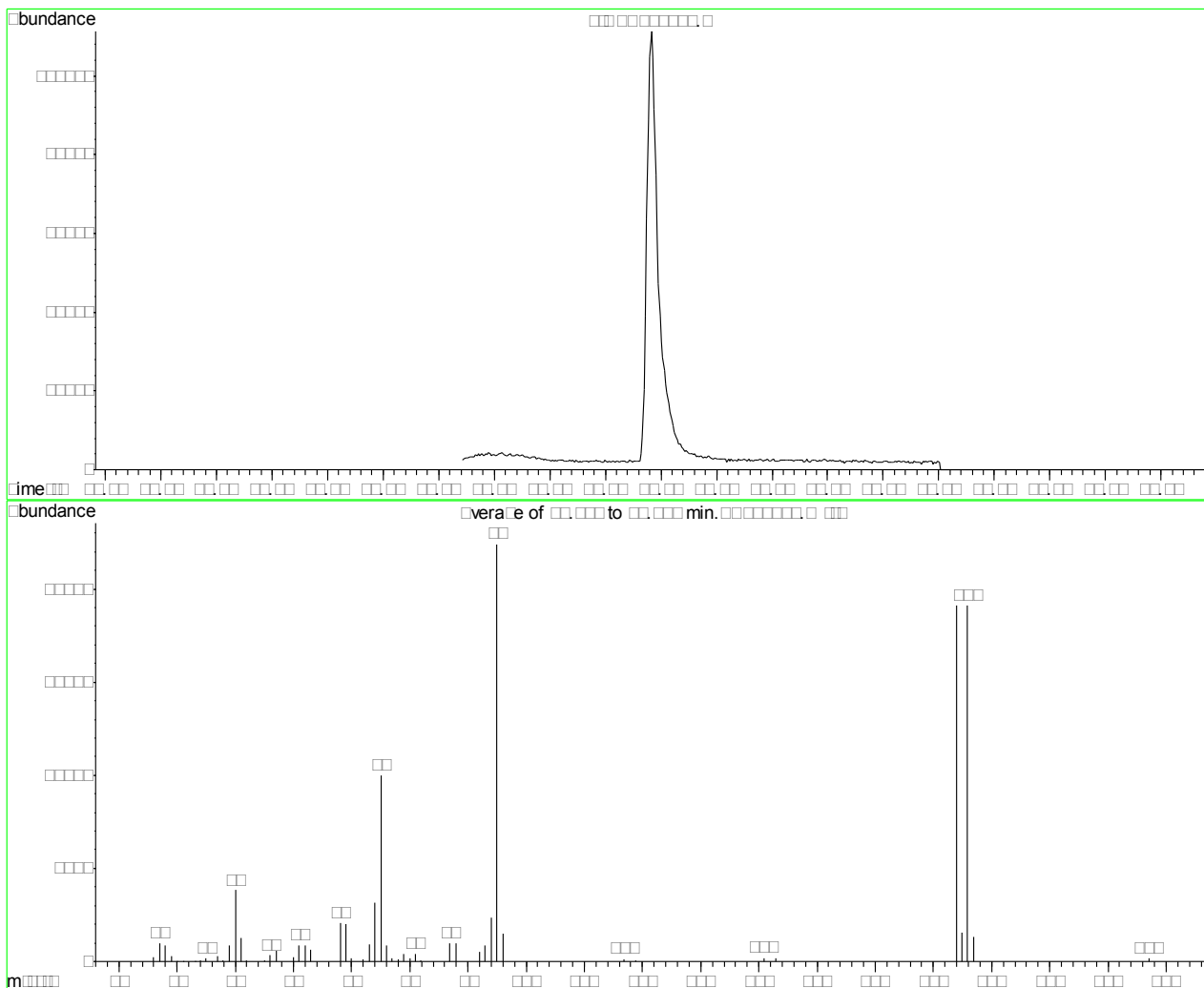
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.05	2525	140.85	385				
97.00	26	142.95	390				
103.90	159	147.90	28				
105.85	148	154.90	80				
115.90	95	157.00	26				
116.95	231	172.15	77				
117.85	136	174.00	32829				
118.95	191	175.00	2647				
127.85	117	176.00	31909				
129.95	119	177.00	2002				
134.90	27	177.90	25				

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\Y103250.D
Acq On : 1 Sep 2010 8:36 am
Sample : BFB
Misc : MS1403,VY4387,5,,,,,1
MS Integration Params: RTEINT.P

Vial: 1
Operator: alexm1
Inst : MSY
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\MYBFB.M (RTE Integrator)
Title : SW-846 Method 8260



AutoFind: Scans 130, 131, 132; Background Corrected with Scan 120

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.1	3826	PASS
75	95	30	60	44.6	10003	PASS
95	95	100	100	100.0	22410	PASS
96	95	5	9	6.6	1479	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	85.2	19093	PASS
175	174	5	9	8.1	1556	PASS
176	174	95	101	100.1	19106	PASS
177	176	5	9	7.0	1328	PASS

Average of 13.760 to 13.770 min.: Y103250.D

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	220	49.00	858	68.00	2056	79.95	153
37.00	979	50.00	3826	69.00	2012	80.90	428
38.00	860	51.00	1279	70.00	180	81.90	45
39.00	302	52.00	43	72.00	95	86.90	988
39.95	9	55.00	52	73.00	895	87.95	985
41.00	9	56.00	320	74.00	3145	92.00	511
43.00	19	57.00	558	75.00	10003	93.00	859
44.00	60	60.00	250	76.00	878	94.00	2356
45.00	148	61.00	884	77.00	196	95.00	22410
46.95	310	62.00	876	77.95	143	96.00	1479
47.90	42	63.00	648	78.90	383	116.85	143

Average of 13.760 to 13.770 min.: Y103250.D

BFB

Modified:subtracted

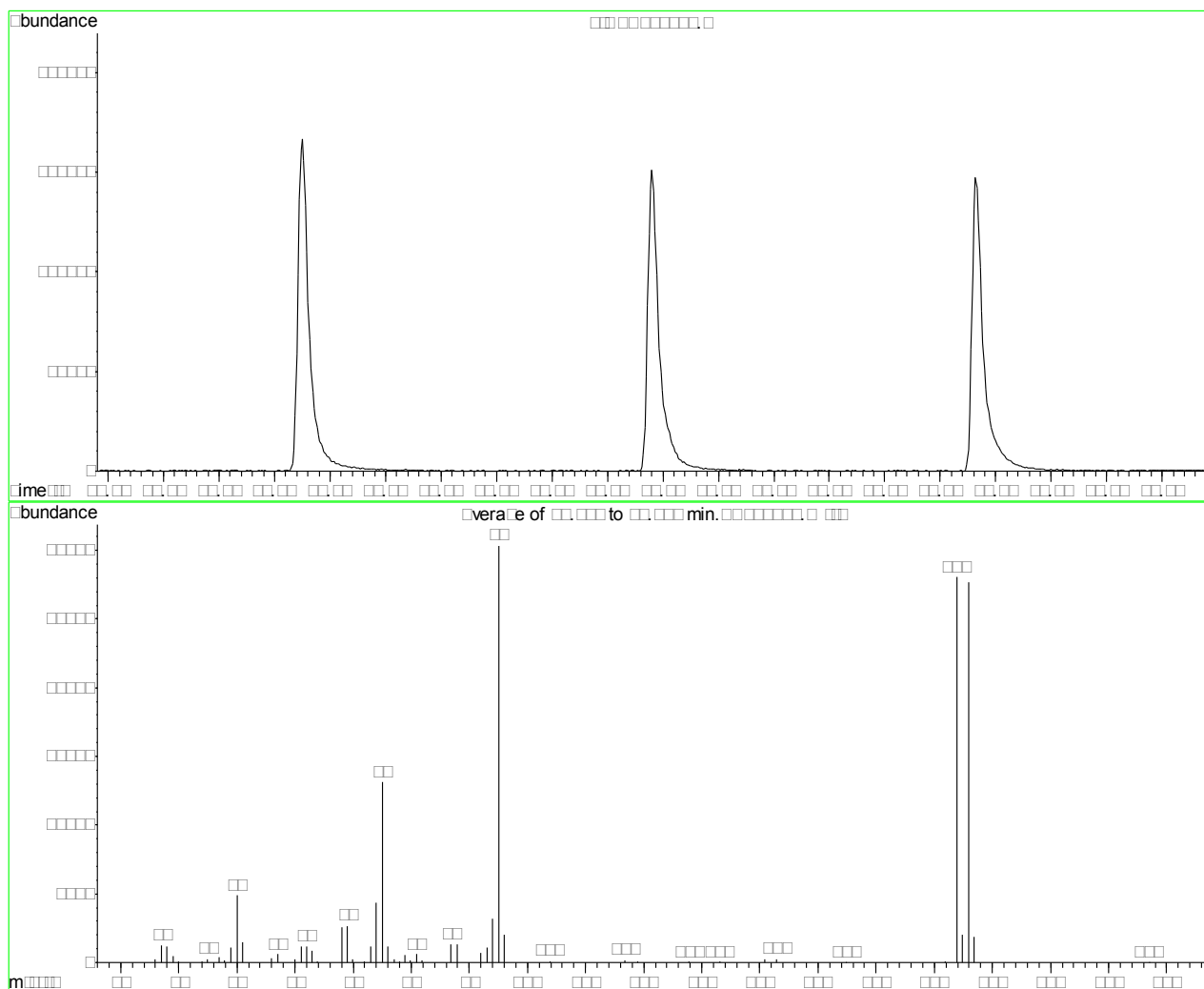
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.80	85						
140.85	192						
142.90	182						
173.90	19093						
174.90	1556						
175.90	19106						
176.90	1328						
207.00	153						

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\Y104433.D
Acq On : 7 Oct 2010 7:53 pm
Sample : BFB
Misc : MS3090,VY4442,5,,,1
MS Integration Params: RTEINT.P

Vial: 23
Operator: alexm1
Inst : MSY
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\MYBFB.M (RTE Integrator)
Title : SW-846 Method 8260



AutoFind: Scans 2175, 2176, 2177; Background Corrected with Scan 2165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.1	4882	PASS
75	95	30	60	43.2	13110	PASS
95	95	100	100	100.0	30354	PASS
96	95	5	9	6.7	2041	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	92.3	28029	PASS
175	174	5	9	7.3	2047	PASS
176	174	95	101	98.8	27682	PASS
177	176	5	9	6.8	1885	PASS

Average of 13.756 to 13.766 min.: Y104433.D

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	236	51.00	1501	71.95	94	86.90	1354
37.05	1245	55.95	344	73.00	1204	87.90	1327
38.00	1131	57.00	617	74.00	4384	91.95	713
39.00	464	60.00	250	75.00	13110	93.00	1081
40.00	46	61.00	1185	76.00	1147	94.00	3172
43.95	103	62.00	1203	77.00	207	95.00	30354
45.00	258	63.00	890	77.90	84	96.00	2041
47.00	423	63.90	43	78.90	537	103.85	86
47.95	156	68.00	2568	79.85	162	116.85	170
49.00	1057	69.00	2659	80.90	619	118.90	99
50.00	4882	69.95	214	81.90	147	127.80	50

Average of 13.756 to 13.766 min.: Y104433.D

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
133.10	50						
140.90	257						
142.90	259						
154.80	40						
171.90	46						
173.90	28029						
174.90	2047						
175.90	27682						
176.90	1885						
206.90	40						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50535.D
 Acq On : 16 Sep 2010 9:50 am
 Operator : TAMIKAG
 Sample : IC2195-1
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 14:57:58 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:21:55 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	6.994	65	49604	500.00	ug/L	0.00
4) pentafluorobenzene	9.207	168	100163	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	151499	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	126912	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	68818	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.259	113	1397	1.14	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	2.28%#
42) 1,2-dichloroethane-d4 (s)	9.705	65	1432	1.12	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	2.24%#
70) toluene-d8 (s)	11.797	98	5286	1.24	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	2.48%#
96) 4-bromofluorobenzene (s)	14.471	95	2247	1.41	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	2.82%#

Target Compounds

						Qvalue
3) tertiary butyl alcohol	7.141	59	703	4.83	ug/L	# 35
5) chlorodifluoromethane	3.733	51	1480	0.98	ug/L	71
6) dichlorodifluoromethane	3.728	85	2155	0.95	ug/L	87
7) chloromethane	4.022	50	2530	0.98	ug/L	93
8) vinyl chloride	4.263	62	2186	0.94	ug/L	99
9) bromomethane	4.887	94	1303	0.93	ug/L	91
10) chloroethane	5.070	64	1077	1.00	ug/L	91
12) trichlorofluoromethane	5.484	101	2036	0.95	ug/L	87
13) ethyl ether	5.946	74	471	0.72	ug/L	# 39
14) acrolein	6.302	56	2228	9.72	ug/L	88
15) 1,1-dichloroethene	6.308	96	1399	1.05	ug/L	93
17) allyl chloride	6.869	76	722	1.02	ug/L	# 36
19) iodomethane	6.585	142	2863	1.08	ug/L	89
21) carbon disulfide	6.701	76	5595	1.10	ug/L	93
22) methylene chloride	7.036	84	1867	1.18	ug/L	99
24) methyl tert butyl ether	7.346	73	4520	1.10	ug/L	86
25) trans-1,2-dichloroethene	7.414	96	1486	1.01	ug/L	97
26) di-isopropyl ether	7.949	45	4227	0.92	ug/L	89
27) ethyl tert-butyl ether	8.400	59	3942	0.92	ug/L	92
29) 1,1-dichloroethane	7.959	63	2632	1.03	ug/L	89
30) chloroprene	8.095	53	1408	0.86	ug/L	90
31) acrylonitrile	7.545	53	2244	4.53	ug/L	85
34) 2,2-dichloropropane	8.688	77	2384	1.13	ug/L	94
35) cis-1,2-dichloroethene	8.719	96	1683	1.05	ug/L	# 80
36) propionitrile	8.898	54	1745	9.58	ug/L	# 36
37) bromochloromethane	9.008	128	736	0.98	ug/L	# 79
39) chloroform	9.065	83	2660	1.10	ug/L	95
40) Tert-Butyl Formate	9.097	59	1068	0.87	ug/L	# 87
43) freon 113	6.266	151	966	0.91	ug/L	95
45) 1,1,1-trichloroethane	9.296	97	2186	1.05	ug/L	# 55
47) 2,2,4-Trimethylpentane	9.726	57	4729	0.94	ug/L	89
48) tert-amyl methyl ether	9.778	73	3964	0.92	ug/L	95
50) epichlorohydrin	11.461	57	529	4.51	ug/L	56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50535.D
 Acq On : 16 Sep 2010 9:50 am
 Operator : TAMIKAG
 Sample : IC2195-1
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 14:57:58 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:21:55 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) n-butyl alcohol	10.418	56	1955	54.57	ug/L	70
52) cyclohexane	9.359	84	2436	1.14	ug/L #	1
53) carbon tetrachloride	9.495	117	1984	1.06	ug/L	95
54) 1,1-dichloropropene	9.495	75	1915	1.02	ug/L	91
55) hexane	7.697	57	1403	0.89	ug/L	83
56) benzene	9.758	78	6313	1.10	ug/L	97
57) heptane	9.920	57	833	0.91	ug/L	96
59) 1,2-dichloroethane	9.789	62	1631	1.00	ug/L	85
60) trichloroethene	10.476	95	1443	1.03	ug/L	85
63) 2-chloroethyl vinyl ether	11.309	63	3461	4.42	ug/L	92
65) 1,2-dichloropropane	10.743	63	1594	1.09	ug/L	94
66) methylcyclohexane	10.670	83	2025	0.91	ug/L	91
67) dibromomethane	10.911	93	978	1.12	ug/L	83
68) bromodichloromethane	11.037	83	1945	1.08	ug/L	96
69) cis-1,3-dichloropropene	11.503	75	2482	1.09	ug/L	97
71) 4-methyl-2-pentanone	11.645	58	359	0.79	ug/L #	1
72) toluene	11.865	92	3608	1.08	ug/L	98
73) 3-methyl-1-butanol	11.676	70	589	19.99	ug/L #	65
74) trans-1,3-dichloropropene	12.091	75	2073	1.07	ug/L	97
75) ethyl methacrylate	12.106	69	1769	1.13	ug/L	90
76) 1,1,2-trichloroethane	12.285	83	1106	1.09	ug/L	95
79) tetrachloroethene	12.442	166	1572	1.04	ug/L	89
80) 1,3-dichloropropane	12.473	76	1932	1.03	ug/L	92
81) butyl acetate	12.578	56	676	0.95	ug/L #	28
82) 3,3-Dimethyl-1-Butanol	12.641	57	1670	12.97	ug/L #	93
83) dibromochloromethane	12.730	129	1507	1.04	ug/L	96
84) 1,2-dibromoethane	12.888	107	1254	1.03	ug/L	97
86) chlorobenzene	13.333	112	4012	1.09	ug/L	82
87) 1,1,1,2-tetrachloroethane	13.391	131	1408	1.03	ug/L	82
88) ethylbenzene	13.391	91	6379	1.05	ug/L	97
89) m,p-xylene	13.501	106	4809	2.06	ug/L	89
90) o-xylene	13.915	106	2400	1.03	ug/L	94
91) styrene	13.941	104	3941	1.03	ug/L	96
92) Butyl Acrylate	13.297	55	1162	3.46	ug/L #	97
93) bromoform	14.198	173	1174	1.16	ug/L	93
95) isopropylbenzene	14.256	105	6258	1.04	ug/L	98
97) bromobenzene	14.660	156	1761	1.10	ug/L	95
98) cyclohexanone	14.429	55	4210	22.19	ug/L	97
99) 1,1,2,2-tetrachloroethane	14.571	83	2134	1.25	ug/L	98
100) trans-1,4-dichloro-2-b...	14.628	53	418	1.15	ug/L #	40
101) 1,2,3-trichloropropane	14.644	110	453	1.23	ug/L	91
102) n-propylbenzene	14.665	91	7762	1.08	ug/L	100
104) 2-chlorotoluene	14.807	126	1487	1.02	ug/L	87
105) 4-chlorotoluene	14.917	126	1569	1.06	ug/L	95
106) 1,3,5-trimethylbenzene	14.812	105	5292	1.06	ug/L	99
107) tert-butylbenzene	15.158	119	4334	1.03	ug/L	97
108) pentachloroethane	15.242	167	1243	1.14	ug/L	92
109) 1,2,4-trimethylbenzene	15.210	105	5372	1.07	ug/L	99
110) sec-butylbenzene	15.373	105	6873	1.05	ug/L	96
111) 1,3-dichlorobenzene	15.567	146	3296	1.09	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3D50535.D
Acq On : 16 Sep 2010 9:50 am
Operator : TAMIKAG
Sample : IC2195-1
Misc : MS2005,V3D2195,W,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 16 14:57:58 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 14:21:55 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) p-isopropyltoluene	15.493	119	5582	1.04	ug/L	98
113) 1,4-dichlorobenzene	15.645	146	3630	1.13	ug/L	87
114) 1,2-dichlorobenzene	16.033	146	3402	1.11	ug/L	97
116) n-butylbenzene	15.902	92	2801	0.99	ug/L	91
118) 1,2-dibromo-3-chloropr...	16.773	75	369	1.27	ug/L #	69
119) 1,3,5-trichlorobenzene	16.935	180	2707	1.01	ug/L	96
120) 1,2,4-trichlorobenzene	17.507	180	2432	0.97	ug/L	92
121) hexachlorobutadiene	17.601	225	1449	1.06	ug/L	91
122) naphthalene	17.758	128	5503	1.03	ug/L	99
123) 1,2,3-trichlorobenzene	17.973	180	2273	0.99	ug/L	97
124) hexachloroethane	16.264	119	1281	1.11	ug/L	91
125) Benzyl chloride	15.766	91	3704	1.18	ug/L	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50536.D
 Acq On : 16 Sep 2010 10:16 am
 Operator : TAMIKAG
 Sample : IC2195-2
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 16 15:06:52 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:25:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	6.989	65	47680	500.00	ug/L	0.00
4) pentafluorobenzene	9.207	168	98030	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	147824	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	125176	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	68142	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.265	113	2811	2.34	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	4.68%#
42) 1,2-dichloroethane-d4 (s)	9.689	65	2745	2.19	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	4.38%#
70) toluene-d8 (s)	11.787	98	9749	2.35	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	4.70%#
96) 4-bromofluorobenzene (s)	14.471	95	3606	2.28	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	4.56%#

Target Compounds

						Qvalue
2) 1,4-dioxane	10.885	88	610	55.62	ug/L	# 74
3) tertiary butyl alcohol	7.126	59	1441	10.29	ug/L	# 10
5) chlorodifluoromethane	3.733	51	3664	2.49	ug/L	95
6) dichlorodifluoromethane	3.707	85	4674	2.10	ug/L	94
7) chloromethane	4.027	50	5756	2.28	ug/L	95
8) vinyl chloride	4.263	62	4930	2.18	ug/L	98
9) bromomethane	4.887	94	3070	2.24	ug/L	98
10) chloroethane	5.065	64	2433	2.30	ug/L	91
12) trichlorofluoromethane	5.484	101	4583	2.19	ug/L	90
13) ethyl ether	5.935	74	1014	1.57	ug/L	93
14) acrolein	6.255	56	4762	21.23	ug/L	93
15) 1,1-dichloroethene	6.308	96	2917	2.23	ug/L	88
17) allyl chloride	6.848	76	1644	2.37	ug/L	# 42
19) iodomethane	6.575	142	5521	2.12	ug/L	93
20) iso-butyl alcohol	9.385	41	7075	22.82	ug/L	91
21) carbon disulfide	6.701	76	10726	2.16	ug/L	96
22) methylene chloride	7.031	84	3257	2.10	ug/L	83
24) methyl tert butyl ether	7.335	73	7953	1.98	ug/L	94
25) trans-1,2-dichloroethene	7.409	96	3344	2.32	ug/L	92
26) di-isopropyl ether	7.933	45	10728	2.40	ug/L	99
27) ethyl tert-butyl ether	8.394	59	9692	2.31	ug/L	94
29) 1,1-dichloroethane	7.959	63	5215	2.09	ug/L	98
30) chloroprene	8.075	53	3997	2.50	ug/L	96
31) acrylonitrile	7.482	53	4467	9.22	ug/L	83
34) 2,2-dichloropropane	8.672	77	4646	2.25	ug/L	96
35) cis-1,2-dichloroethene	8.704	96	3444	2.20	ug/L	84
36) propionitrile	8.861	54	3227	18.10	ug/L	# 38
37) bromochloromethane	9.008	128	1459	1.98	ug/L	91
39) chloroform	9.060	83	4857	2.05	ug/L	98
40) Tert-Butyl Formate	9.097	59	2530	2.11	ug/L	# 81
43) freon 113	6.281	151	2569	2.47	ug/L	85
45) 1,1,1-trichloroethane	9.291	97	4319	2.11	ug/L	84
47) 2,2,4-Trimethylpentane	9.726	57	12574	2.54	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50536.D
 Acq On : 16 Sep 2010 10:16 am
 Operator : TAMIKAG
 Sample : IC2195-2
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 16 15:06:52 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:25:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) tert-amyl methyl ether	9.773	73	10012	2.38	ug/L	97
50) epichlorohydrin	11.446	57	1348	11.78	ug/L	92
51) n-butyl alcohol	10.387	56	3587	102.61	ug/L	86
52) cyclohexane	9.343	84	4380	2.11	ug/L #	56
53) carbon tetrachloride	9.485	117	3998	2.19	ug/L	94
54) 1,1-dichloropropene	9.490	75	3963	2.17	ug/L	98
55) hexane	7.676	57	4014	2.61	ug/L	94
56) benzene	9.747	78	12065	2.15	ug/L	97
57) heptane	9.910	57	2376	2.67	ug/L	97
58) isopropyl acetate	9.721	43	6438	3.40	ug/L #	85
59) 1,2-dichloroethane	9.778	62	3133	1.96	ug/L	91
60) trichloroethene	10.476	95	2957	2.16	ug/L	95
63) 2-chloroethyl vinyl ether	11.289	63	8795	11.51	ug/L	97
65) 1,2-dichloropropane	10.738	63	2820	1.98	ug/L	93
66) methylcyclohexane	10.665	83	5536	2.56	ug/L	98
67) dibromomethane	10.911	93	1651	1.93	ug/L	92
68) bromodichloromethane	11.032	83	3522	2.00	ug/L	98
69) cis-1,3-dichloropropene	11.503	75	4349	1.97	ug/L	93
71) 4-methyl-2-pentanone	11.624	58	788	1.78	ug/L #	1
72) toluene	11.860	92	6945	2.13	ug/L	98
73) 3-methyl-1-butanol	11.676	70	1191	41.43	ug/L	88
74) trans-1,3-dichloropropene	12.085	75	3771	1.99	ug/L	96
75) ethyl methacrylate	12.085	69	2851	1.87	ug/L	93
76) 1,1,2-trichloroethane	12.279	83	1926	1.95	ug/L	96
77) 2-hexanone	12.531	58	779	1.70	ug/L #	59
79) tetrachloroethene	12.437	166	3202	2.15	ug/L	98
80) 1,3-dichloropropane	12.463	76	3595	1.95	ug/L	96
81) butyl acetate	12.563	56	1404	1.99	ug/L #	78
82) 3,3-Dimethyl-1-Butanol	12.646	57	2545	20.04	ug/L #	91
83) dibromochloromethane	12.730	129	2739	1.92	ug/L	94
84) 1,2-dibromoethane	12.877	107	2274	1.90	ug/L	94
86) chlorobenzene	13.328	112	7572	2.09	ug/L	87
87) 1,1,1,2-tetrachloroethane	13.391	131	2747	2.04	ug/L	96
88) ethylbenzene	13.391	91	13125	2.18	ug/L	99
89) m,p-xylene	13.496	106	9778	4.25	ug/L	95
90) o-xylene	13.915	106	4868	2.13	ug/L	91
91) styrene	13.936	104	7651	2.02	ug/L	92
93) bromoform	14.188	173	1807	1.81	ug/L	99
95) isopropylbenzene	14.251	105	13100	2.19	ug/L	98
97) bromobenzene	14.660	156	3153	1.99	ug/L	92
98) cyclohexanone	14.429	55	4540	24.17	ug/L	97
99) 1,1,2,2-tetrachloroethane	14.571	83	3222	1.91	ug/L	97
100) trans-1,4-dichloro-2-b...	14.618	53	583	1.62	ug/L	91
101) 1,2,3-trichloropropane	14.644	110	640	1.75	ug/L	76
102) n-propylbenzene	14.660	91	15994	2.25	ug/L	97
103) 4-Ethyltoluene	14.812	105	10918	2.20	ug/L	97
104) 2-chlorotoluene	14.812	126	3260	2.26	ug/L	92
105) 4-chlorotoluene	14.911	126	3084	2.11	ug/L	93
106) 1,3,5-trimethylbenzene	14.812	105	10918	2.20	ug/L	99
107) tert-butylbenzene	15.153	119	9360	2.24	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50536.D
 Acq On : 16 Sep 2010 10:16 am
 Operator : TAMIKAG
 Sample : IC2195-2
 Misc : MS2005,V3D2195,W,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

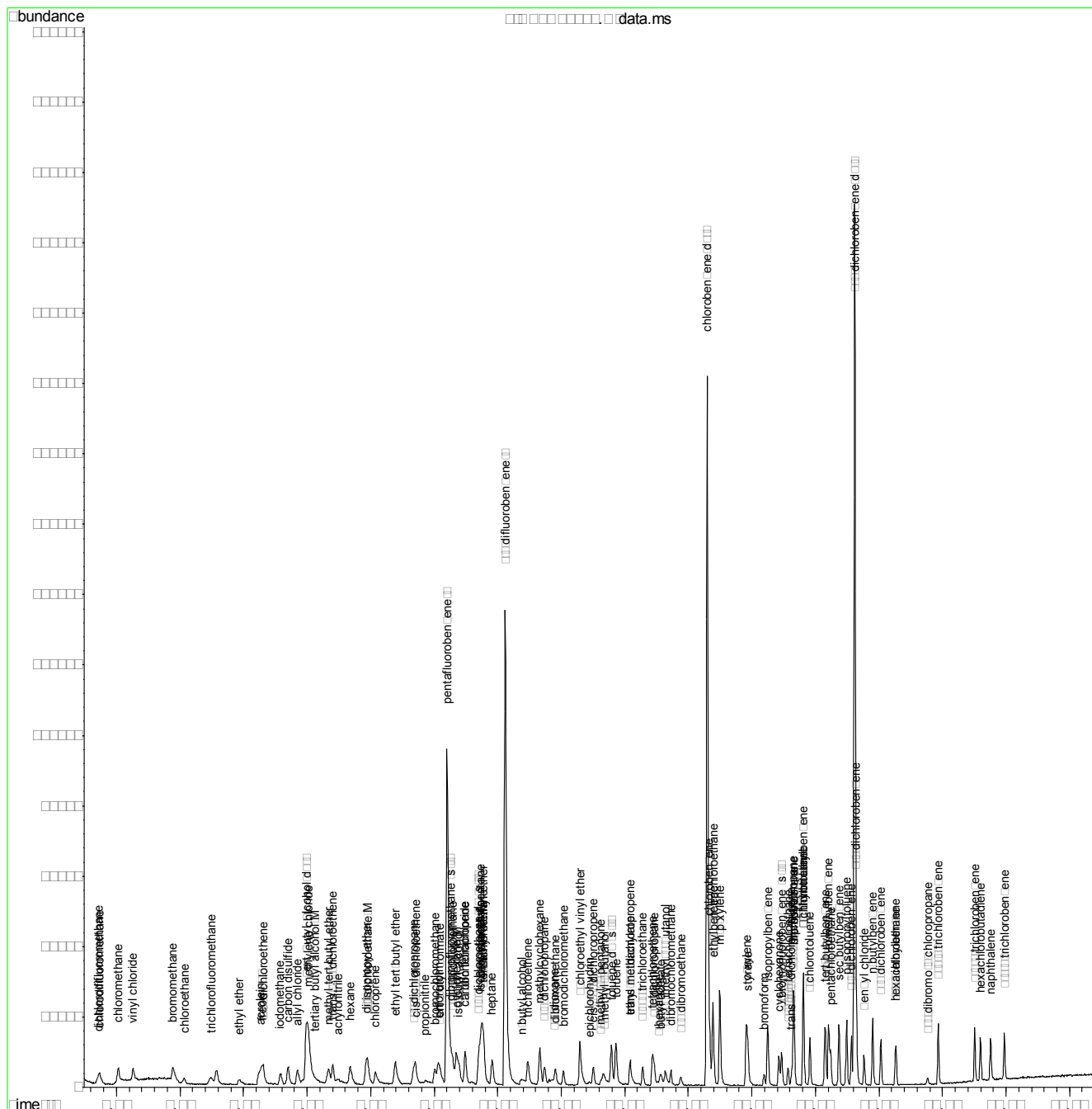
Quant Time: Sep 16 15:06:52 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:25:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
108) pentachloroethane	15.242	167	2182	2.02	ug/L	92
109) 1,2,4-trimethylbenzene	15.210	105	11074	2.22	ug/L	96
110) sec-butylbenzene	15.368	105	14794	2.27	ug/L	98
111) 1,3-dichlorobenzene	15.567	146	6582	2.19	ug/L	94
112) p-isopropyltoluene	15.493	119	12034	2.27	ug/L	99
113) 1,4-dichlorobenzene	15.645	146	6899	2.17	ug/L	98
114) 1,2-dichlorobenzene	16.033	146	6385	2.11	ug/L	96
115) 1,4-Diethylbenzene	16.264	119	2474	3.88	ug/L #	1
116) n-butylbenzene	15.902	92	6366	2.28	ug/L	92
118) 1,2-dibromo-3-chloropr...	16.762	75	453	1.58	ug/L	81
119) 1,3,5-trichlorobenzene	16.935	180	6056	2.29	ug/L	98
120) 1,2,4-trichlorobenzene	17.507	180	5164	2.09	ug/L	98
121) hexachlorobutadiene	17.601	225	3030	2.25	ug/L	99
122) naphthalene	17.758	128	9822	1.86	ug/L	96
123) 1,2,3-trichlorobenzene	17.973	180	4636	2.05	ug/L	98
124) hexachloroethane	16.264	119	2474	2.16	ug/L	98
125) Benzyl chloride	15.766	91	7042	2.27	ug/L	96

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

6.6.2

Quant Time: Sep 16 15:06:52 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 14:25:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50539.D
 Acq On : 16 Sep 2010 11:39 am
 Operator : TAMIKAG
 Sample : IC2195-10
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 15:10:01 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon May 24 11:37:33 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.000	65	49928	500.00	ug/L	-0.01
4) pentafluorobenzene	9.207	168	100676	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	152159	50.00	ug/L	0.00
78) chlorobenzene-d5	13.296	117	124337	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	67821	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.259	113	14231	10.92	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	21.84%#
42) 1,2-dichloroethane-d4 (s)	9.679	65	14980	10.89	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	21.78%#
70) toluene-d8 (s)	11.776	98	47669	9.16	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	18.32%#
96) 4-bromofluorobenzene (s)	14.460	95	17014	9.89	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	19.78%#

Target Compounds

						Qvalue
2) 1,4-dioxane	10.869	88	3121	221.83	ug/L	# 99
3) tertiary butyl alcohol	7.146	59	6672	45.27	ug/L	71
5) chlorodifluoromethane	3.738	51	13799	10.35	ug/L	97
6) dichlorodifluoromethane	3.712	85	24313	12.17	ug/L	99
7) chloromethane	4.032	50	26296	11.13	ug/L	96
8) vinyl chloride	4.273	62	24051	11.98	ug/L	99
9) bromomethane	4.892	94	14763	11.64	ug/L	95
10) chloroethane	5.060	64	11233	11.29	ug/L	97
12) trichlorofluoromethane	5.495	101	22686	11.67	ug/L	99
13) ethyl ether	5.904	74	8131	12.07	ug/L	100
14) acrolein	6.182	56	23259	98.42	ug/L	97
15) 1,1-dichloroethene	6.302	96	14264	12.92	ug/L	92
16) acetone	6.528	43	5574	15.48	ug/L	95
17) allyl chloride	6.837	76	6906	11.18	ug/L	# 41
18) acetonitrile	6.858	40	10269	96.14	ug/L	95
19) iodomethane	6.580	142	28806	12.49	ug/L	97
20) iso-butyl alcohol	9.380	41	32572	116.72	ug/L	94
21) carbon disulfide	6.695	76	54428	13.25	ug/L	99
22) methylene chloride	7.021	84	16662	12.44	ug/L	95
23) methyl acetate	6.916	43	6478	8.09	ug/L	93
24) methyl tert butyl ether	7.330	73	45483	12.80	ug/L	97
25) trans-1,2-dichloroethene	7.388	96	15548	12.49	ug/L	96
26) di-isopropyl ether	7.922	45	42855	9.73	ug/L	98
27) ethyl tert-butyl ether	8.389	59	40746	9.88	ug/L	98
28) 2-butanone	8.735	72	1168	11.75	ug/L	90
29) 1,1-dichloroethane	7.949	63	27967	12.53	ug/L	98
30) chloroprene	8.059	53	15242	9.09	ug/L	99
31) acrylonitrile	7.388	53	29100	66.62	ug/L	98
32) vinyl acetate	8.017	86	1076	10.39	ug/L	# 10
33) ethyl acetate	8.725	45	1729	11.18	ug/L	# 1
34) 2,2-dichloropropane	8.677	77	22650	13.23	ug/L	99
35) cis-1,2-dichloroethene	8.693	96	17366	13.14	ug/L	90
36) propionitrile	8.787	54	21309	125.27	ug/L	# 54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50539.D
 Acq On : 16 Sep 2010 11:39 am
 Operator : TAMIKAG
 Sample : IC2195-10
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 15:10:01 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon May 24 11:37:33 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.997	128	8411	12.63	ug/L	95
38) tetrahydrofuran	9.065	42	5472	12.26	ug/L	89
39) chloroform	9.055	83	26270	12.87	ug/L	97
40) Tert-Butyl Formate	9.092	59	11958	10.53	ug/L #	86
43) freon 113	6.271	151	9957	10.55	ug/L	94
44) methacrylonitrile	8.981	41	8400	12.05	ug/L	96
45) 1,1,1-trichloroethane	9.291	97	22807	13.08	ug/L	96
47) 2,2,4-Trimethylpentane	9.726	57	45908	9.18	ug/L	99
48) tert-amyl methyl ether	9.768	73	40410	10.25	ug/L	98
50) epichlorohydrin	11.419	57	6065	50.95	ug/L	94
51) n-butyl alcohol	10.303	56	17030	518.50	ug/L	98
52) cyclohexane	9.354	84	23100	12.03	ug/L	93
53) carbon tetrachloride	9.490	117	20590	13.12	ug/L	95
54) 1,1-dichloropropene	9.480	75	20437	12.34	ug/L	98
55) hexane	7.676	57	14487	8.94	ug/L	92
56) benzene	9.742	78	61372	12.36	ug/L	99
57) heptane	9.904	57	8578	8.74	ug/L	96
58) isopropyl acetate	9.700	43	21633	8.46	ug/L	96
59) 1,2-dichloroethane	9.768	62	18622	12.28	ug/L	97
60) trichloroethene	10.465	95	15213	12.33	ug/L	95
63) 2-chloroethyl vinyl ether	11.278	63	37323	50.57	ug/L	99
64) methyl methacrylate	10.764	41	21257	11.80	ug/L	85
65) 1,2-dichloropropane	10.733	63	16036	11.67	ug/L	97
66) methylcyclohexane	10.664	83	20861	9.47	ug/L	97
67) dibromomethane	10.900	93	9719	12.59	ug/L	92
68) bromodichloromethane	11.031	83	19678	12.30	ug/L	96
69) cis-1,3-dichloropropene	11.493	75	24663	11.68	ug/L	96
71) 4-methyl-2-pentanone	11.603	58	5423	10.82	ug/L	90
72) toluene	11.849	92	35947	11.36	ug/L	96
73) 3-methyl-1-butanol	11.640	70	5547	204.18	ug/L	92
74) trans-1,3-dichloropropene	12.070	75	21138	11.36	ug/L	95
75) ethyl methacrylate	12.059	69	17267	10.49	ug/L	95
76) 1,1,2-trichloroethane	12.274	83	11387	11.71	ug/L	96
77) 2-hexanone	12.479	58	5212	12.10	ug/L	98
79) tetrachloroethene	12.437	166	15637	11.52	ug/L	96
80) 1,3-dichloropropane	12.458	76	20355	12.26	ug/L	97
81) butyl acetate	12.536	56	6684	9.49	ug/L	91
82) 3,3-Dimethyl-1-Butanol	12.631	57	11492	105.16	ug/L #	99
83) dibromochloromethane	12.720	129	15643	12.31	ug/L	97
84) 1,2-dibromoethane	12.872	107	13155	12.03	ug/L	96
86) chlorobenzene	13.328	112	38590	12.01	ug/L	99
87) 1,1,1,2-tetrachloroethane	13.386	131	14557	12.32	ug/L	97
88) ethylbenzene	13.380	91	63607	11.66	ug/L	99
89) m,p-xylene	13.490	106	49536	23.43	ug/L	99
90) o-xylene	13.910	106	24450	11.70	ug/L	96
91) styrene	13.926	104	40767	11.43	ug/L	99
93) bromoform	14.188	173	10773	11.69	ug/L	99
95) isopropylbenzene	14.245	105	63147	12.03	ug/L	99
97) bromobenzene	14.654	156	16703	11.45	ug/L	98
98) cyclohexanone	14.424	55	14800	394.34	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50539.D
 Acq On : 16 Sep 2010 11:39 am
 Operator : TAMIKAG
 Sample : IC2195-10
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 15:10:01 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon May 24 11:37:33 2010
 Response via : Initial Calibration

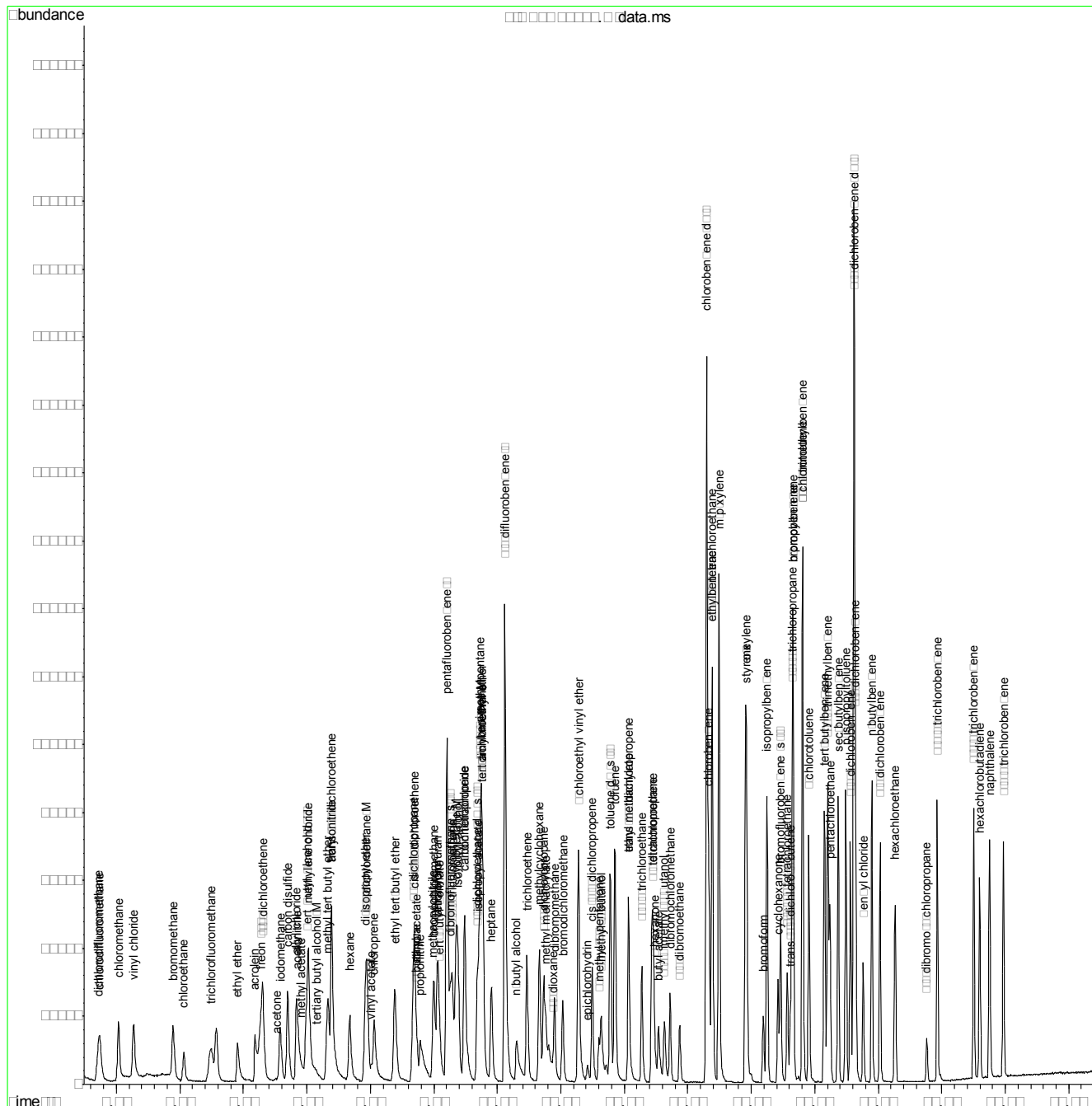
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) 1,1,2,2-tetrachloroethane	14.565	83	18064	12.64	ug/L	96
100) trans-1,4-dichloro-2-b...	14.612	53	3994	11.96	ug/L	98
101) 1,2,3-trichloropropane	14.639	110	4083	12.73	ug/L	99
102) n-propylbenzene	14.654	91	74737	11.88	ug/L	99
104) 2-chlorotoluene	14.806	126	15216	11.58	ug/L	94
105) 4-chlorotoluene	14.906	126	15395	11.05	ug/L	97
106) 1,3,5-trimethylbenzene	14.812	105	52032	11.92	ug/L	99
107) tert-butylbenzene	15.152	119	43478	11.86	ug/L	97
108) pentachloroethane	15.242	167	10984	11.29	ug/L	94
109) 1,2,4-trimethylbenzene	15.205	105	52342	12.31	ug/L	99
110) sec-butylbenzene	15.367	105	67597	11.81	ug/L	100
111) 1,3-dichlorobenzene	15.561	146	31389	11.65	ug/L	97
112) p-isopropyltoluene	15.488	119	55179	11.63	ug/L	98
113) 1,4-dichlorobenzene	15.645	146	33343	11.70	ug/L	99
114) 1,2-dichlorobenzene	16.028	146	31767	11.78	ug/L	98
116) n-butylbenzene	15.897	92	29303	11.37	ug/L	99
118) 1,2-dibromo-3-chloropr...	16.762	75	3122	12.87	ug/L	93
119) 1,3,5-trichlorobenzene	16.930	180	27262	11.37	ug/L	98
120) 1,2,4-trichlorobenzene	17.501	180	25836	11.49	ug/L	97
121) hexachlorobutadiene	17.601	225	13489	10.98	ug/L	96
122) naphthalene	17.753	128	56088	12.45	ug/L	99
123) 1,2,3-trichlorobenzene	17.973	180	23661	11.38	ug/L	100
124) hexachloroethane	16.264	119	11558	11.67	ug/L	96
125) Benzyl chloride	15.761	91	27407	10.45	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3D50539.D
Acq On : 16 Sep 2010 11:39 am
Operator : TAMIKAG
Sample : IC2195-10
Misc : MS2005,V3D2195,W,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 16 15:10:01 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon May 24 11:37:33 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50540.D
 Acq On : 16 Sep 2010 12:06 pm
 Operator : TAMIKAG
 Sample : IC2195-20
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 15:11:33 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon May 24 11:37:33 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	6.994	65	48258	500.00	ug/L	-0.02
4) pentafluorobenzene	9.202	168	102328	50.00	ug/L	-0.01
49) 1,4-difluorobenzene	10.119	114	155873	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	126179	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	68377	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.254	113	29056	21.93	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	43.86%#
42) 1,2-dichloroethane-d4 (s)	9.674	65	31029	22.20	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	44.40%#
70) toluene-d8 (s)	11.776	98	98243	18.44	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	36.88%#
96) 4-bromofluorobenzene (s)	14.455	95	34286	19.78	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	39.56%#

Target Compounds

						Qvalue
2) 1,4-dioxane	10.853	88	7075	520.26	ug/L	# 97
3) tertiary butyl alcohol	7.120	59	15270	107.20	ug/L	82
5) chlorodifluoromethane	3.744	51	29471	21.75	ug/L	97
6) dichlorodifluoromethane	3.712	85	46029	22.66	ug/L	96
7) chloromethane	4.032	50	49709	20.70	ug/L	98
8) vinyl chloride	4.273	62	46306	22.70	ug/L	97
9) bromomethane	4.887	94	27506	21.34	ug/L	92
10) chloroethane	5.060	64	20652	20.42	ug/L	97
12) trichlorofluoromethane	5.495	101	43046	21.78	ug/L	93
13) ethyl ether	5.904	74	14546	21.24	ug/L	97
14) acrolein	6.166	56	46647	194.19	ug/L	99
15) 1,1-dichloroethene	6.302	96	26185	23.33	ug/L	96
16) acetone	6.481	43	8983	24.55	ug/L	95
17) allyl chloride	6.827	76	13361	21.28	ug/L	# 72
18) acetonitrile	6.832	40	23061	212.41	ug/L	# 85
19) iodomethane	6.580	142	52024	22.20	ug/L	96
20) iso-butyl alcohol	9.375	41	58756	207.15	ug/L	95
21) carbon disulfide	6.696	76	98273	23.53	ug/L	99
22) methylene chloride	7.021	84	30788	22.62	ug/L	93
23) methyl acetate	6.869	43	16985	20.88	ug/L	98
24) methyl tert butyl ether	7.330	73	81583	22.59	ug/L	98
25) trans-1,2-dichloroethene	7.382	96	28873	22.82	ug/L	94
26) di-isopropyl ether	7.917	45	94311	21.06	ug/L	97
27) ethyl tert-butyl ether	8.384	59	88980	21.22	ug/L	98
28) 2-butanone	8.714	72	2436	20.58	ug/L	84
29) 1,1-dichloroethane	7.949	63	51529	22.72	ug/L	98
30) chloroprene	8.054	53	33804	19.83	ug/L	98
31) acrylonitrile	7.372	53	49419	111.32	ug/L	99
32) vinyl acetate	7.991	86	3350	20.81	ug/L	# 26
33) ethyl acetate	8.704	45	3917	22.19	ug/L	68
34) 2,2-dichloropropane	8.672	77	40085	23.03	ug/L	98
35) cis-1,2-dichloroethene	8.693	96	31147	23.18	ug/L	93
36) propionitrile	8.772	54	38077	220.22	ug/L	# 59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50540.D
 Acq On : 16 Sep 2010 12:06 pm
 Operator : TAMIKAG
 Sample : IC2195-20
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 15:11:33 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon May 24 11:37:33 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.997	128	15373	22.72	ug/L	96
38) tetrahydrofuran	9.055	42	8415	18.55	ug/L	98
39) chloroform	9.050	83	47565	22.93	ug/L	99
40) Tert-Butyl Formate	9.076	59	25810	22.35	ug/L	98
43) freon 113	6.266	151	22100	23.03	ug/L	96
44) methacrylonitrile	8.966	41	14015	19.78	ug/L	98
45) 1,1,1-trichloroethane	9.286	97	40897	23.08	ug/L	99
47) 2,2,4-Trimethylpentane	9.726	57	100719	19.82	ug/L	100
48) tert-amyl methyl ether	9.763	73	87799	21.90	ug/L	99
50) epichlorohydrin	11.409	57	11861	97.26	ug/L	98
51) n-butyl alcohol	10.277	56	37977	1128.70	ug/L	98
52) cyclohexane	9.354	84	41523	21.11	ug/L	94
53) carbon tetrachloride	9.490	117	36368	22.63	ug/L	95
54) 1,1-dichloropropene	9.474	75	37502	22.10	ug/L	99
55) hexane	7.671	57	32611	19.64	ug/L	99
56) benzene	9.737	78	112862	22.19	ug/L	99
57) heptane	9.904	57	18315	18.22	ug/L	98
58) isopropyl acetate	9.679	43	52446	20.01	ug/L	98
59) 1,2-dichloroethane	9.763	62	33784	21.75	ug/L	99
60) trichloroethene	10.460	95	28135	22.26	ug/L	96
63) 2-chloroethyl vinyl ether	11.273	63	83080	109.88	ug/L	98
64) methyl methacrylate	10.748	41	39433	19.94	ug/L	99
65) 1,2-dichloropropane	10.727	63	29401	20.89	ug/L	99
66) methylcyclohexane	10.665	83	45050	19.96	ug/L	95
67) dibromomethane	10.895	93	17456	22.07	ug/L	94
68) bromodichloromethane	11.026	83	36092	22.03	ug/L	99
69) cis-1,3-dichloropropene	11.488	75	45995	21.26	ug/L	99
71) 4-methyl-2-pentanone	11.593	58	9857	19.19	ug/L	97
72) toluene	11.850	92	65956	20.35	ug/L	97
73) 3-methyl-1-butanol	11.624	70	12671	455.29	ug/L	94
74) trans-1,3-dichloropropene	12.064	75	39702	20.84	ug/L	95
75) ethyl methacrylate	12.054	69	31752	18.82	ug/L	99
76) 1,1,2-trichloroethane	12.274	83	20343	20.42	ug/L	100
77) 2-hexanone	12.468	58	9748	22.10	ug/L	90
79) tetrachloroethene	12.431	166	29456	21.38	ug/L	96
80) 1,3-dichloropropane	12.458	76	36756	21.82	ug/L	99
81) butyl acetate	12.531	56	15164	21.22	ug/L	99
82) 3,3-Dimethyl-1-Butanol	12.625	57	24322	219.31	ug/L	99
83) dibromochloromethane	12.720	129	28793	22.34	ug/L	99
84) 1,2-dibromoethane	12.867	107	24237	21.84	ug/L	97
86) chlorobenzene	13.328	112	69930	21.45	ug/L	98
87) 1,1,1,2-tetrachloroethane	13.386	131	26518	22.11	ug/L	97
88) ethylbenzene	13.380	91	116222	21.00	ug/L	99
89) m,p-xylene	13.491	106	89791	41.84	ug/L	99
90) o-xylene	13.905	106	44874	21.17	ug/L	97
91) styrene	13.921	104	75046	20.73	ug/L	100
93) bromoform	14.188	173	19349	20.69	ug/L	98
95) isopropylbenzene	14.246	105	114947	21.73	ug/L	99
97) bromobenzene	14.649	156	30816	20.95	ug/L	96
98) cyclohexanone	14.419	55	29516	780.06	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50540.D
 Acq On : 16 Sep 2010 12:06 pm
 Operator : TAMIKAG
 Sample : IC2195-20
 Misc : MS2005,V3D2195,W,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 15:11:33 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Mon May 24 11:37:33 2010
 Response via : Initial Calibration

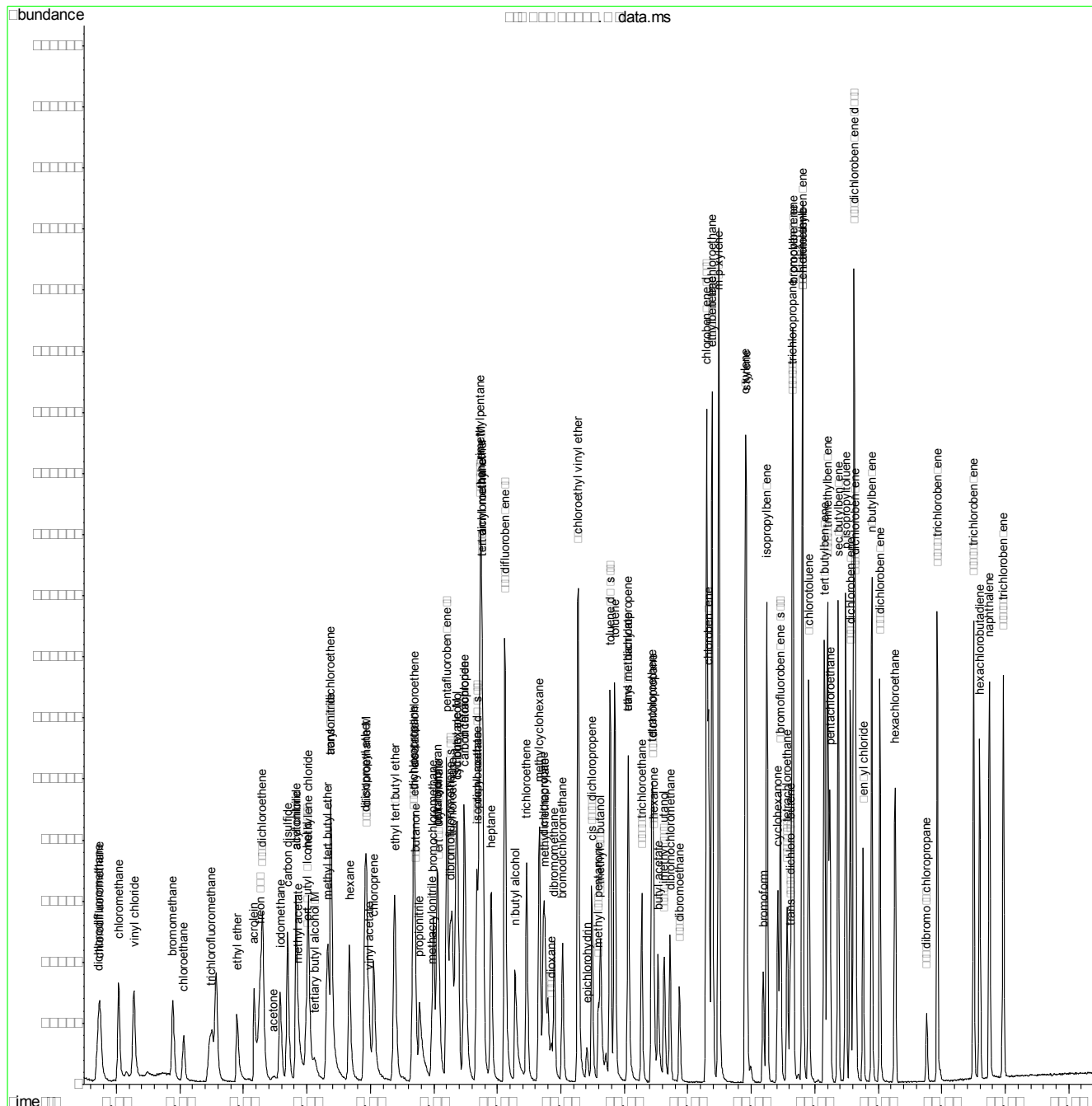
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) 1,1,2,2-tetrachloroethane	14.565	83	31539	21.89	ug/L	97
100) trans-1,4-dichloro-2-b...	14.607	53	7256	21.56	ug/L	93
101) 1,2,3-trichloropropane	14.639	110	6994	21.63	ug/L	96
102) n-propylbenzene	14.655	91	135134	21.31	ug/L	99
104) 2-chlorotoluene	14.807	126	28012	21.15	ug/L	97
105) 4-chlorotoluene	14.906	126	28582	20.35	ug/L	100
106) 1,3,5-trimethylbenzene	14.807	105	94382	21.44	ug/L	100
107) tert-butylbenzene	15.153	119	79246	21.43	ug/L	98
108) pentachloroethane	15.236	167	20388	20.78	ug/L	95
109) 1,2,4-trimethylbenzene	15.200	105	94979	22.16	ug/L	97
110) sec-butylbenzene	15.368	105	123224	21.36	ug/L	100
111) 1,3-dichlorobenzene	15.562	146	56681	20.87	ug/L	98
112) p-isopropyltoluene	15.488	119	100900	21.10	ug/L	97
113) 1,4-dichlorobenzene	15.645	146	59949	20.87	ug/L	99
114) 1,2-dichlorobenzene	16.028	146	57265	21.06	ug/L	98
116) n-butylbenzene	15.897	92	53145	20.46	ug/L	99
118) 1,2-dibromo-3-chloropr...	16.762	75	5394	22.06	ug/L	94
119) 1,3,5-trichlorobenzene	16.930	180	49756	20.59	ug/L	99
120) 1,2,4-trichlorobenzene	17.502	180	47994	21.18	ug/L	100
121) hexachlorobutadiene	17.601	225	25215	20.36	ug/L	96
122) naphthalene	17.753	128	103741	22.84	ug/L	99
123) 1,2,3-trichlorobenzene	17.968	180	43640	20.81	ug/L	99
124) hexachloroethane	16.264	119	21340	21.38	ug/L	96
125) Benzyl chloride	15.761	91	59122	22.37	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3D50540.D
Acq On : 16 Sep 2010 12:06 pm
Operator : TAMIKAG
Sample : IC2195-20
Misc : MS2005,V3D2195,W,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 16 15:11:33 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Mon May 24 11:37:33 2010
Response via : Initial Calibration



M3D2195.M Thu Sep 16 16:43:49 2010 MS3D

Page: 4

6.6.4

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50541.D
 Acq On : 16 Sep 2010 12:34 pm
 Operator : TAMIKAG
 Sample : ICC2195-50
 Misc : MS2005,V3D2195,W,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 16 15:14:29 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 12:46:01 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	6.994	65	44601	500.00	ug/L	0.00
4) pentafluorobenzene	9.202	168	101869	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	155869	50.00	ug/L	0.00
78) chlorobenzene-d5	13.296	117	125059	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	66500	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.254	113	66855	50.29	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	100.58%
42) 1,2-dichloroethane-d4 (s)	9.668	65	71853	51.22	ug/L	0.00
Spiked Amount	50.000	Range	64 - 135	Recovery	=	102.44%
70) toluene-d8 (s)	11.771	98	226196	46.69	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	93.38%
96) 4-bromofluorobenzene (s)	14.455	95	78725	45.50	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	91.00%

Target Compounds

						Qvalue
2) 1,4-dioxane	10.848	88	14565	1631.39	ug/L	# 99
3) tertiary butyl alcohol	7.115	59	34398	305.25	ug/L	91
5) chlorodifluoromethane	3.738	51	73532	46.36	ug/L	99
6) dichlorodifluoromethane	3.707	85	110817	47.97	ug/L	98
7) chloromethane	4.037	50	123256	46.99	ug/L	100
8) vinyl chloride	4.284	62	114128	48.87	ug/L	97
9) bromomethane	4.887	94	67893	47.45	ug/L	96
10) chloroethane	5.049	64	50600	46.84	ug/L	97
12) trichlorofluoromethane	5.500	101	102897	48.07	ug/L	92
13) ethyl ether	5.893	74	37176	57.23	ug/L	94
14) acrolein	6.150	56	120546	546.14	ug/L	99
15) 1,1-dichloroethene	6.297	96	62125	46.09	ug/L	99
16) acetone	6.423	43	19316	102.22	ug/L	97
17) allyl chloride	6.816	76	35560	58.99	ug/L	99
18) acetonitrile	6.811	40	55662	423.55	ug/L	91
19) iodomethane	6.575	142	124776	47.98	ug/L	98
20) iso-butyl alcohol	9.369	41	138617	418.27	ug/L	97
21) carbon disulfide	6.690	76	234102	46.17	ug/L	99
22) methylene chloride	7.015	84	72448	44.39	ug/L	97
23) methyl acetate	6.832	43	47428	155.03	ug/L	98
24) methyl tert butyl ether	7.319	73	193404	47.45	ug/L	99
25) trans-1,2-dichloroethene	7.377	96	68199	45.33	ug/L	97
26) di-isopropyl ether	7.912	45	230004	48.14	ug/L	99
27) ethyl tert-butyl ether	8.378	59	218359	49.79	ug/L	99
28) 2-butanone	8.683	72	6671	49.89	ug/L	77
29) 1,1-dichloroethane	7.943	63	121602	48.28	ug/L	100
30) chloroprene	8.048	53	82624	50.47	ug/L	98
31) acrylonitrile	7.351	53	122573	240.11	ug/L	98
32) vinyl acetate	7.954	86	9157	46.35	ug/L	36
33) ethyl acetate	8.683	45	9889	47.88	ug/L	46
34) 2,2-dichloropropane	8.667	77	95311	44.43	ug/L	98
35) cis-1,2-dichloroethene	8.683	96	74649	46.86	ug/L	97
36) propionitrile	8.756	54	90217	581.00	ug/L	56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50541.D
 Acq On : 16 Sep 2010 12:34 pm
 Operator : TAMIKAG
 Sample : ICC2195-50
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 16 15:14:29 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 12:46:01 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.992	128	37177	53.02	ug/L	96
38) tetrahydrofuran	9.039	42	20773	52.72	ug/L	99
39) chloroform	9.050	83	115169	48.17	ug/L	98
40) Tert-Butyl Formate	9.070	59	64771	53.53	ug/L	98
43) freon 113	6.265	151	52607	48.02	ug/L	98
44) methacrylonitrile	8.945	41	37227	36.22	ug/L	97
45) 1,1,1-trichloroethane	9.285	97	98208	47.62	ug/L	97
47) 2,2,4-Trimethylpentane	9.721	57	247818	46.41	ug/L	100
48) tert-amyl methyl ether	9.763	73	215776	47.84	ug/L	99
50) epichlorohydrin	11.404	57	28762	248.19	ug/L	100
51) n-butyl alcohol	10.266	56	86194	2270.05	ug/L	99
52) cyclohexane	9.354	84	96334	44.21	ug/L	98
53) carbon tetrachloride	9.490	117	86679	45.86	ug/L	95
54) 1,1-dichloropropene	9.474	75	89043	47.92	ug/L	99
55) hexane	7.665	57	78086	47.13	ug/L	96
56) benzene	9.731	78	272449	47.49	ug/L	100
57) heptane	9.899	57	44691	46.26	ug/L	99
58) isopropyl acetate	9.668	43	129532	69.27	ug/L	98
59) 1,2-dichloroethane	9.757	62	80236	50.73	ug/L	99
60) trichloroethene	10.455	95	67078	47.51	ug/L	98
63) 2-chloroethyl vinyl ether	11.267	63	207018	258.05	ug/L	98
64) methyl methacrylate	10.738	41	95182	46.84	ug/L	97
65) 1,2-dichloropropane	10.727	63	69683	47.42	ug/L	97
66) methylcyclohexane	10.659	83	108712	46.10	ug/L	96
67) dibromomethane	10.890	93	41909	49.52	ug/L	99
68) bromodichloromethane	11.021	83	87301	48.86	ug/L	96
69) cis-1,3-dichloropropene	11.488	75	110705	49.76	ug/L	96
71) 4-methyl-2-pentanone	11.587	58	24030	51.95	ug/L	95
72) toluene	11.844	92	158190	46.99	ug/L	99
73) 3-methyl-1-butanol	11.619	70	29528	943.44	ug/L	99
74) trans-1,3-dichloropropene	12.059	75	95257	50.20	ug/L	98
75) ethyl methacrylate	12.049	69	74731	52.24	ug/L	99
76) 1,1,2-trichloroethane	12.269	83	48583	49.46	ug/L	99
77) 2-hexanone	12.452	58	22107	54.06	ug/L	97
79) tetrachloroethene	12.431	166	70143	49.56	ug/L	96
80) 1,3-dichloropropane	12.452	76	88999	51.30	ug/L	99
81) butyl acetate	12.526	56	36073	55.71	ug/L	99
82) 3,3-Dimethyl-1-Butanol	12.625	57	58450	398.30	ug/L	99
83) dibromochloromethane	12.720	129	69047	50.78	ug/L	98
84) 1,2-dibromoethane	12.866	107	58403	52.59	ug/L	98
86) chlorobenzene	13.328	112	169752	48.43	ug/L	100
87) 1,1,1,2-tetrachloroethane	13.386	131	63987	49.69	ug/L	97
88) ethylbenzene	13.380	91	281198	48.24	ug/L	99
89) m,p-xylene	13.485	106	215979	97.00	ug/L	99
90) o-xylene	13.905	106	107676	49.23	ug/L	99
91) styrene	13.920	104	182205	50.60	ug/L	100
93) bromoform	14.188	173	46546	49.52	ug/L	98
95) isopropylbenzene	14.245	105	274583	49.04	ug/L	100
97) bromobenzene	14.644	156	74826	50.81	ug/L	99
98) cyclohexanone	14.418	55	57795	296.27	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3D50541.D
Acq On : 16 Sep 2010 12:34 pm
Operator : TAMIKAG
Sample : ICC2195-50
Misc : MS2005,V3D2195,W,,,1
ALS Vial : 8 Sample Multiplier: 1

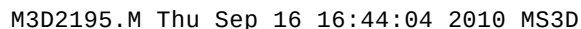
Quant Time: Sep 16 15:14:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 12:46:01 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) 1,1,2,2-tetrachloroethane	14.565	83	74311	46.49	ug/L	98
100) trans-1,4-dichloro-2-b...	14.607	53	16876	47.80	ug/L	99
101) 1,2,3-trichloropropane	14.633	110	16408	51.19	ug/L	98
102) n-propylbenzene	14.654	91	318737	47.17	ug/L	99
104) 2-chlorotoluene	14.801	126	65949	48.44	ug/L	99
105) 4-chlorotoluene	14.906	126	67529	49.90	ug/L	97
106) 1,3,5-trimethylbenzene	14.806	105	226675	48.50	ug/L	99
107) tert-butylbenzene	15.152	119	191385	49.23	ug/L	98
108) pentachloroethane	15.242	167	50107	51.23	ug/L	97
109) 1,2,4-trimethylbenzene	15.200	105	225196	47.84	ug/L	98
110) sec-butylbenzene	15.367	105	295192	48.18	ug/L	99
111) 1,3-dichlorobenzene	15.561	146	135947	47.82	ug/L	98
112) p-isopropyltoluene	15.488	119	241444	48.24	ug/L	98
113) 1,4-dichlorobenzene	15.640	146	142901	46.79	ug/L	99
114) 1,2-dichlorobenzene	16.023	146	136880	48.38	ug/L	98
116) n-butylbenzene	15.897	92	127670	48.99	ug/L	99
118) 1,2-dibromo-3-chloropr...	16.762	75	13104	51.91	ug/L	96
119) 1,3,5-trichlorobenzene	16.930	180	122792	49.62	ug/L	99
120) 1,2,4-trichlorobenzene	17.501	180	120359	53.36	ug/L	98
121) hexachlorobutadiene	17.601	225	62266	49.36	ug/L	100
122) naphthalene	17.748	128	260118	55.08	ug/L	99
123) 1,2,3-trichlorobenzene	17.968	180	111557	54.56	ug/L	99
124) hexachloroethane	16.264	119	52922	50.32	ug/L	99
125) Benzyl chloride	15.755	91	145112	44.68	ug/L	100

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

6.6.5

Quant Time: Sep 16 15:14:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 12:46:01 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50543.D
 Acq On : 16 Sep 2010 1:27 pm
 Operator : TAMIKAG
 Sample : IC2195-100
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 16 15:17:32 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 12:46:01 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.000	65	49716	500.00	ug/L	0.00
4) pentafluorobenzene	9.202	168	101780	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	155139	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	127049	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	69660	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.249	113	125587	94.56	ug/L	0.00
Spiked Amount	50.000	Range	76 - 120	Recovery	=	189.12%#
42) 1,2-dichloroethane-d4 (s)	9.663	65	133792	95.46	ug/L	-0.01
Spiked Amount	50.000	Range	64 - 135	Recovery	=	190.92%#
70) toluene-d8 (s)	11.771	98	426455	88.43	ug/L	0.00
Spiked Amount	50.000	Range	76 - 117	Recovery	=	176.86%#
96) 4-bromofluorobenzene (s)	14.455	95	148899	82.16	ug/L	0.00
Spiked Amount	50.000	Range	72 - 122	Recovery	=	164.32%#

Target Compounds

						Qvalue
2) 1,4-dioxane	10.848	88	31331	3148.26	ug/L	# 100
3) tertiary butyl alcohol	7.110	59	70523	561.44	ug/L	85
5) chlorodifluoromethane	3.733	51	143490	90.54	ug/L	97
6) dichlorodifluoromethane	3.707	85	227800	98.70	ug/L	97
7) chloromethane	4.043	50	252238	96.24	ug/L	98
8) vinyl chloride	4.284	62	230500	98.79	ug/L	97
9) bromomethane	4.882	94	138066	96.58	ug/L	97
10) chloroethane	5.049	64	104659	96.96	ug/L	98
12) trichlorofluoromethane	5.485	101	208513	97.50	ug/L	93
13) ethyl ether	5.888	74	71541	110.24	ug/L	95
14) acrolein	6.140	56	269545	1222.25	ug/L	98
15) 1,1-dichloroethene	6.292	96	120754	89.67	ug/L	98
16) acetone	6.397	43	34812	184.38	ug/L	89
17) allyl chloride	6.816	76	71056	117.98	ug/L	92
18) acetonitrile	6.801	40	114760	874.00	ug/L	# 67
19) iodomethane	6.570	142	240299	92.48	ug/L	97
20) iso-butyl alcohol	9.364	41	274837	830.03	ug/L	93
21) carbon disulfide	6.685	76	458272	90.46	ug/L	99
22) methylene chloride	7.010	84	139627	85.62	ug/L	99
23) methyl acetate	6.821	43	97724	319.72	ug/L	97
24) methyl tert butyl ether	7.320	73	380517	93.44	ug/L	99
25) trans-1,2-dichloroethene	7.372	96	134778	89.66	ug/L	97
26) di-isopropyl ether	7.907	45	434958	91.12	ug/L	99
27) ethyl tert-butyl ether	8.373	59	413648	94.40	ug/L	99
28) 2-butanone	8.667	72	13612	99.31	ug/L	70
29) 1,1-dichloroethane	7.938	63	235723	93.67	ug/L	99
30) chloroprene	8.043	53	157381	96.22	ug/L	98
31) acrylonitrile	7.341	53	240315	471.17	ug/L	99
32) vinyl acetate	7.938	86	18648	89.32	ug/L	# 16
33) ethyl acetate	8.667	45	19216	91.66	ug/L	91
34) 2,2-dichloropropane	8.667	77	181858	84.86	ug/L	95
35) cis-1,2-dichloroethene	8.678	96	144806	90.98	ug/L	98
36) propionitrile	8.751	54	184736	1190.75	ug/L	# 27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50543.D
 Acq On : 16 Sep 2010 1:27 pm
 Operator : TAMIKAG
 Sample : IC2195-100
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 16 15:17:32 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 12:46:01 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.987	128	71377	101.88	ug/L	98
38) tetrahydrofuran	9.034	42	43156	109.61	ug/L	98
39) chloroform	9.045	83	222867	93.30	ug/L	98
40) Tert-Butyl Formate	9.071	59	127767	105.68	ug/L	98
43) freon 113	6.255	151	100581	91.89	ug/L	96
44) methacrylonitrile	8.934	41	79986	77.89	ug/L	98
45) 1,1,1-trichloroethane	9.286	97	194426	94.35	ug/L	99
47) 2,2,4-Trimethylpentane	9.721	57	482516	90.45	ug/L	93
48) tert-amyl methyl ether	9.758	73	414452	91.97	ug/L	99
50) epichlorohydrin	11.393	57	57325	496.99	ug/L	98
51) n-butyl alcohol	10.261	56	178040	4711.03	ug/L	96
52) cyclohexane	9.349	84	195125	89.98	ug/L	98
53) carbon tetrachloride	9.485	117	172842	91.88	ug/L	97
54) 1,1-dichloropropene	9.469	75	174259	94.22	ug/L	98
55) hexane	7.660	57	147011	89.15	ug/L	99
56) benzene	9.731	78	532086	93.19	ug/L	99
57) heptane	9.899	57	83692	87.03	ug/L	98
58) isopropyl acetate	9.663	43	267687	143.83	ug/L	98
59) 1,2-dichloroethane	9.752	62	156427	99.37	ug/L	98
60) trichloroethene	10.455	95	131947	93.90	ug/L	98
63) 2-chloroethyl vinyl ether	11.262	63	383103	479.78	ug/L	98
64) methyl methacrylate	10.733	41	186280	91.86	ug/L	98
65) 1,2-dichloropropane	10.722	63	135006	92.30	ug/L	99
66) methylcyclohexane	10.659	83	212292	90.45	ug/L	97
67) dibromomethane	10.890	93	81494	96.75	ug/L	97
68) bromodichloromethane	11.021	83	168798	94.91	ug/L	99
69) cis-1,3-dichloropropene	11.483	75	210505	95.06	ug/L	98
71) 4-methyl-2-pentanone	11.582	58	48584	105.52	ug/L	100
72) toluene	11.844	92	308305	92.01	ug/L	99
73) 3-methyl-1-butanol	11.619	70	60809	1952.04	ug/L	96
74) trans-1,3-dichloropropene	12.054	75	182515	96.64	ug/L	96
75) ethyl methacrylate	12.049	69	148835	104.53	ug/L	96
76) 1,1,2-trichloroethane	12.269	83	94742	96.91	ug/L	99
77) 2-hexanone	12.447	58	45792	112.50	ug/L	95
79) tetrachloroethene	12.432	166	138214	96.13	ug/L	95
80) 1,3-dichloropropane	12.447	76	173016	98.16	ug/L	98
81) butyl acetate	12.521	56	72390	110.04	ug/L	100
82) 3,3-Dimethyl-1-Butanol	12.620	57	118547	795.18	ug/L	98
83) dibromochloromethane	12.715	129	135150	97.83	ug/L	99
84) 1,2-dibromoethane	12.861	107	114064	101.10	ug/L	100
86) chlorobenzene	13.323	112	330134	92.70	ug/L	98
87) 1,1,1,2-tetrachloroethane	13.386	131	129115	98.70	ug/L	98
88) ethylbenzene	13.375	91	556260	93.93	ug/L	100
89) m,p-xylene	13.485	106	428551	189.46	ug/L	98
90) o-xylene	13.905	106	213071	95.89	ug/L	97
91) styrene	13.915	104	358593	98.02	ug/L	97
93) bromoform	14.183	173	95219	99.71	ug/L	98
95) isopropylbenzene	14.246	105	551075	93.96	ug/L	99
97) bromobenzene	14.644	156	148283	96.12	ug/L	94
98) cyclohexanone	14.419	55	70467	344.84	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50543.D
 Acq On : 16 Sep 2010 1:27 pm
 Operator : TAMIKAG
 Sample : IC2195-100
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 10 Sample Multiplier: 1

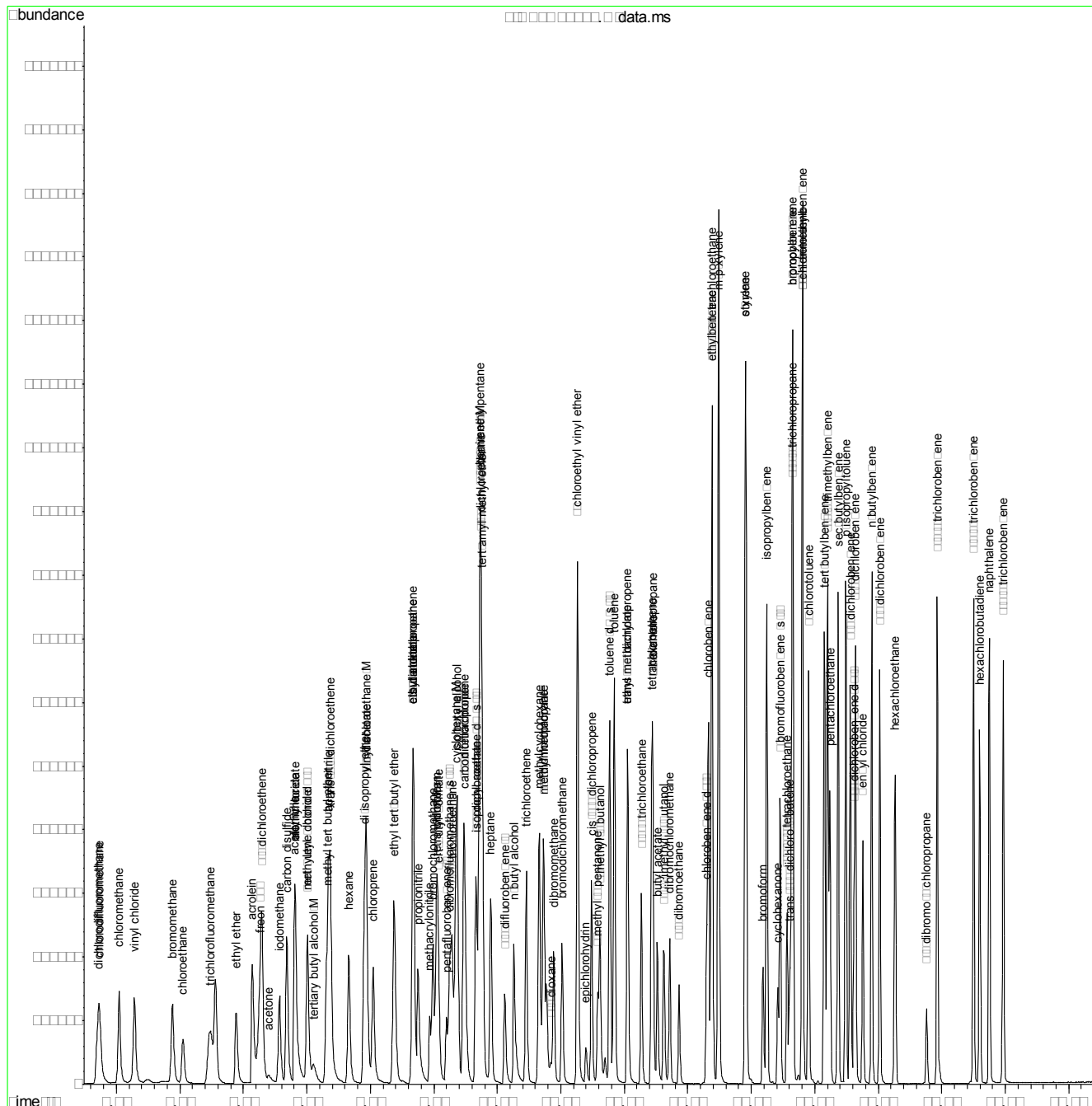
Quant Time: Sep 16 15:17:32 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 12:46:01 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) 1,1,2,2-tetrachloroethane	14.565	83	151629	90.57	ug/L	98
100) trans-1,4-dichloro-2-b...	14.607	53	35900	97.06	ug/L	97
101) 1,2,3-trichloropropane	14.634	110	33596	100.05	ug/L	96
102) n-propylbenzene	14.655	91	639261	90.32	ug/L	99
104) 2-chlorotoluene	14.801	126	131730	92.38	ug/L	99
105) 4-chlorotoluene	14.901	126	133474	94.16	ug/L	94
106) 1,3,5-trimethylbenzene	14.807	105	458134	93.57	ug/L	99
107) tert-butylbenzene	15.153	119	389393	95.63	ug/L	98
108) pentachloroethane	15.237	167	102824	100.35	ug/L	95
109) 1,2,4-trimethylbenzene	15.200	105	454072	92.09	ug/L	98
110) sec-butylbenzene	15.368	105	600580	93.57	ug/L	99
111) 1,3-dichlorobenzene	15.556	146	275207	92.41	ug/L	98
112) p-isopropyltoluene	15.488	119	490709	93.60	ug/L	98
113) 1,4-dichlorobenzene	15.640	146	286986	89.71	ug/L	98
114) 1,2-dichlorobenzene	16.023	146	278825	94.09	ug/L	98
116) n-butylbenzene	15.897	92	262707	96.23	ug/L	99
118) 1,2-dibromo-3-chloropr...	16.762	75	28272	106.91	ug/L	93
119) 1,3,5-trichlorobenzene	16.930	180	250646	96.69	ug/L	99
120) 1,2,4-trichlorobenzene	17.502	180	243309	102.98	ug/L	99
121) hexachlorobutadiene	17.601	225	128531	97.26	ug/L	100
122) naphthalene	17.748	128	530785	107.29	ug/L	99
123) 1,2,3-trichlorobenzene	17.968	180	221492	103.42	ug/L	97
124) hexachloroethane	16.264	119	108960	98.91	ug/L	99
125) Benzyl chloride	15.756	91	284338	83.57	ug/L	100

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

6.6.6

Quant Time: Sep 16 15:17:32 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 12:46:01 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50544.D
 Acq On : 16 Sep 2010 1:54 pm
 Operator : TAMIKAG
 Sample : IC2195-200
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 15:19:21 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:25:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.015	65	46629	500.00	ug/L	0.03
4) pentafluorobenzene	9.202	168	103699	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	156470	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	130892	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	73619	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.249	113	283558	222.72	ug/L	-0.02
Spiked Amount	50.000	Range	76 - 120	Recovery	=	445.44%#
42) 1,2-dichloroethane-d4 (s)	9.663	65	279553	211.17	ug/L	-0.03
Spiked Amount	50.000	Range	64 - 135	Recovery	=	422.34%#
70) toluene-d8 (s)	11.771	98	976412	222.45	ug/L	-0.02
Spiked Amount	50.000	Range	76 - 117	Recovery	=	444.90%#
96) 4-bromofluorobenzene (s)	14.455	95	349427	204.47	ug/L	-0.02
Spiked Amount	50.000	Range	72 - 122	Recovery	=	408.94%#

Target Compounds

						Qvalue
2) 1,4-dioxane	10.843	88	71040	6623.05	ug/L	# 99
3) tertiary butyl alcohol	7.115	59	149353	1090.97	ug/L	88
5) chlorodifluoromethane	3.739	51	324233	207.92	ug/L	100
6) dichlorodifluoromethane	3.712	85	503436	213.71	ug/L	100
7) chloromethane	4.058	50	552944	207.47	ug/L	100
8) vinyl chloride	4.300	62	517126	215.71	ug/L	100
9) bromomethane	4.871	94	208877	144.27	ug/L	97
10) chloroethane	5.039	64	227880	203.75	ug/L	99
12) trichlorofluoromethane	5.479	101	461721	208.52	ug/L	98
13) ethyl ether	5.888	74	156441	229.61	ug/L	95
14) acrolein	6.140	56	576947	2431.71	ug/L	98
15) 1,1-dichloroethene	6.292	96	267230	193.34	ug/L	99
16) acetone	6.386	43	73760	239.85	ug/L	93
17) allyl chloride	6.811	76	164152	223.77	ug/L	93
18) acetonitrile	6.800	40	247414	2708.74	ug/L	# 82
19) iodomethane	6.565	142	529569	192.60	ug/L	100
20) iso-butyl alcohol	9.370	41	614551	1873.93	ug/L	97
21) carbon disulfide	6.685	76	1012573	192.70	ug/L	99
22) methylene chloride	7.010	84	307108	187.21	ug/L	96
23) methyl acetate	6.811	43	210860	341.79	ug/L	100
24) methyl tert butyl ether	7.320	73	823020	193.27	ug/L	99
25) trans-1,2-dichloroethene	7.372	96	298111	195.58	ug/L	98
26) di-isopropyl ether	7.912	45	962231	203.33	ug/L	91
27) ethyl tert-butyl ether	8.379	59	914755	206.28	ug/L	99
28) 2-butanone	8.657	72	29945	231.13	ug/L	91
29) 1,1-dichloroethane	7.938	63	522054	197.35	ug/L	100
30) chloroprene	8.043	53	349293	206.41	ug/L	99
31) acrylonitrile	7.335	53	515866	1006.13	ug/L	99
32) vinyl acetate	7.933	86	42785	260.49	ug/L	54
33) ethyl acetate	8.667	45	41327	257.19	ug/L	63
34) 2,2-dichloropropane	8.667	77	400571	183.46	ug/L	99
35) cis-1,2-dichloroethene	8.678	96	323642	195.38	ug/L	99
36) propionitrile	8.751	54	395836	2098.89	ug/L	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50544.D
 Acq On : 16 Sep 2010 1:54 pm
 Operator : TAMIKAG
 Sample : IC2195-200
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 15:19:21 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:25:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) bromochloromethane	8.987	128	159372	204.82	ug/L	95
38) tetrahydrofuran	9.029	42	91560	211.08	ug/L	99
39) chloroform	9.044	83	498631	198.48	ug/L	98
40) Tert-Butyl Formate	9.071	59	278512	219.51	ug/L	99
43) freon 113	6.260	151	221058	200.69	ug/L	100
44) methacrylonitrile	8.929	41	160320	190.13	ug/L	98
45) 1,1,1-trichloroethane	9.286	97	436250	201.88	ug/L	99
47) 2,2,4-Trimethylpentane	9.721	57	1079632	206.41	ug/L	94
48) tert-amyl methyl ether	9.763	73	923118	207.75	ug/L	99
50) epichlorohydrin	11.393	57	126270	1042.29	ug/L	99
51) n-butyl alcohol	10.261	56	387572	10473.86	ug/L	98
52) cyclohexane	9.349	84	435882	198.19	ug/L	97
53) carbon tetrachloride	9.485	117	384958	199.27	ug/L	99
54) 1,1-dichloropropene	9.469	75	396249	204.88	ug/L	98
55) hexane	7.660	57	323514	199.08	ug/L	97
56) benzene	9.731	78	1200207	201.62	ug/L	100
57) heptane	9.894	57	187827	199.09	ug/L	99
58) isopropyl acetate	9.663	43	878717	438.07	ug/L	88
59) 1,2-dichloroethane	9.752	62	348888	206.40	ug/L	100
60) trichloroethene	10.450	95	298569	205.69	ug/L	99
63) 2-chloroethyl vinyl ether	11.262	63	863005	1067.31	ug/L	99
64) methyl methacrylate	10.733	41	417167	241.98	ug/L	95
65) 1,2-dichloropropane	10.722	63	309614	205.86	ug/L	98
66) methylcyclohexane	10.659	83	470759	205.40	ug/L	100
67) dibromomethane	10.885	93	181967	201.34	ug/L	96
68) bromodichloromethane	11.021	83	382798	205.75	ug/L	98
69) cis-1,3-dichloropropene	11.483	75	478620	204.31	ug/L	99
71) 4-methyl-2-pentanone	11.577	58	105747	225.58	ug/L	94
72) toluene	11.844	92	709367	205.67	ug/L	100
73) 3-methyl-1-butanol	11.614	70	135734	4461.03	ug/L	94
74) trans-1,3-dichloropropene	12.054	75	413853	205.96	ug/L	100
75) ethyl methacrylate	12.044	69	331653	205.00	ug/L	99
76) 1,1,2-trichloroethane	12.269	83	212831	203.19	ug/L	99
77) 2-hexanone	12.442	58	91113	188.18	ug/L	98
79) tetrachloroethene	12.432	166	317406	203.48	ug/L	98
80) 1,3-dichloropropane	12.447	76	392315	203.55	ug/L	99
81) butyl acetate	12.515	56	161920	219.74	ug/L	99
82) 3,3-Dimethyl-1-Butanol	12.620	57	266682	2008.40	ug/L	99
83) dibromochloromethane	12.715	129	309309	207.08	ug/L	100
84) 1,2-dibromoethane	12.861	107	257212	205.22	ug/L	99
86) chlorobenzene	13.323	112	759960	200.56	ug/L	98
87) 1,1,1,2-tetrachloroethane	13.386	131	295879	209.75	ug/L	99
88) ethylbenzene	13.375	91	1283192	203.83	ug/L	99
89) m,p-xylene	13.485	106	984727	409.26	ug/L	99
90) o-xylene	13.905	106	485076	202.57	ug/L	97
91) styrene	13.915	104	835353	211.02	ug/L	97
93) bromoform	14.183	173	218530	209.89	ug/L	99
95) isopropylbenzene	14.246	105	1265831	196.17	ug/L	99
97) bromobenzene	14.644	156	346960	202.45	ug/L	94
98) cyclohexanone	14.413	55	173762	856.25	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50544.D
 Acq On : 16 Sep 2010 1:54 pm
 Operator : TAMIKAG
 Sample : IC2195-200
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 15:19:21 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 14:25:30 2010
 Response via : Initial Calibration

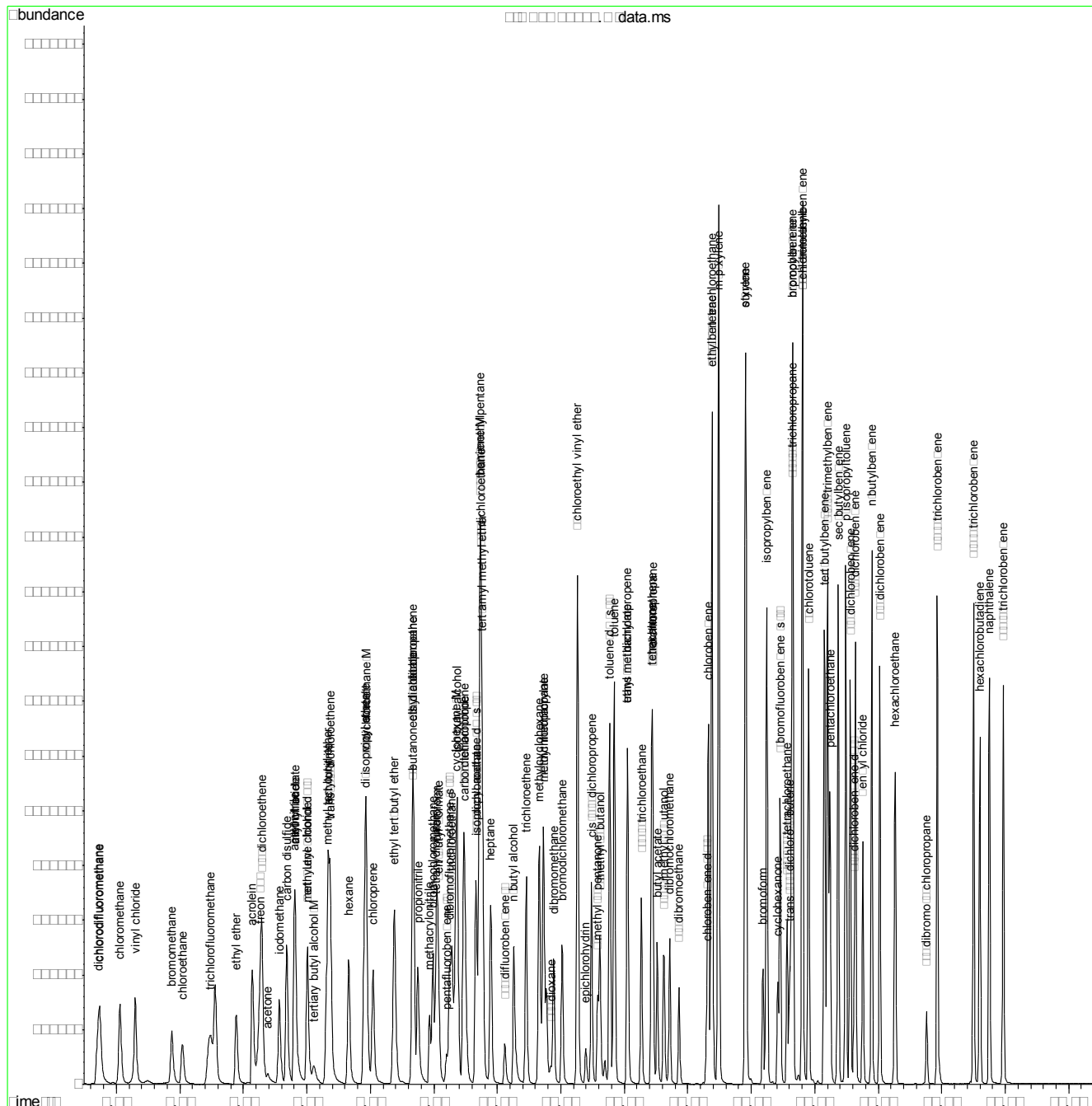
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) 1,1,2,2-tetrachloroethane	14.565	83	337022	185.01	ug/L	99
100) trans-1,4-dichloro-2-b...	14.607	53	81365	208.69	ug/L	94
101) 1,2,3-trichloropropane	14.634	110	75372	190.95	ug/L	93
102) n-propylbenzene	14.655	91	1489760	193.71	ug/L	100
104) 2-chlorotoluene	14.801	126	307377	196.96	ug/L	98
105) 4-chlorotoluene	14.901	126	313012	198.53	ug/L	95
106) 1,3,5-trimethylbenzene	14.807	105	1078301	201.25	ug/L	99
107) tert-butylbenzene	15.153	119	907526	201.44	ug/L	98
108) pentachloroethane	15.237	167	243066	208.51	ug/L	98
109) 1,2,4-trimethylbenzene	15.200	105	1077108	200.03	ug/L	99
110) sec-butylbenzene	15.368	105	1412892	200.89	ug/L	100
111) 1,3-dichlorobenzene	15.556	146	650069	200.45	ug/L	99
112) p-isopropyltoluene	15.488	119	1162267	202.57	ug/L	99
113) 1,4-dichlorobenzene	15.640	146	682158	198.17	ug/L	98
114) 1,2-dichlorobenzene	16.023	146	654605	200.42	ug/L	99
116) n-butylbenzene	15.897	92	624155	207.13	ug/L	99
118) 1,2-dibromo-3-chloropr...	16.762	75	61544	198.78	ug/L	92
119) 1,3,5-trichlorobenzene	16.930	180	591468	206.65	ug/L	99
120) 1,2,4-trichlorobenzene	17.502	180	551192	206.50	ug/L	99
121) hexachlorobutadiene	17.601	225	298176	204.57	ug/L	100
122) naphthalene	17.748	128	1137921	199.43	ug/L	100
123) 1,2,3-trichlorobenzene	17.968	180	479462	196.17	ug/L	99
124) hexachloroethane	16.264	119	262523	211.90	ug/L	99
125) Benzyl chloride	15.756	91	644166	191.89	ug/L	99

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

(QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3D50544.D
Acq On : 16 Sep 2010 1:54 pm
Operator : TAMIKAG
Sample : IC2195-200
Misc : MS2005,V3D2195,W,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 16 15:19:21 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 14:25:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50547.D
 Acq On : 16 Sep 2010 3:15 pm
 Operator : TAMIKAG
 Sample : IC2195-5
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 16 15:52:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 15:48:37 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	6.995	65	49312	500.00	ug/L	0.00
4) pentafluorobenzene	9.207	168	103131	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	153539	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	124772	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	70299	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.265	113	6991	4.96	ug/L	0.01
Spiked Amount	50.000	Range	76 - 120	Recovery	=	9.92%#
42) 1,2-dichloroethane-d4 (s)	9.689	65	7455	5.11	ug/L	0.02
Spiked Amount	50.000	Range	64 - 135	Recovery	=	10.22%#
70) toluene-d8 (s)	11.781	98	23310	4.87	ug/L	0.01
Spiked Amount	50.000	Range	76 - 117	Recovery	=	9.74%#
96) 4-bromofluorobenzene (s)	14.466	95	8357	4.67	ug/L	0.01
Spiked Amount	50.000	Range	72 - 122	Recovery	=	9.34%#

Target Compounds

						Qvalue
2) 1,4-dioxane	10.869	88	1418	106.69	ug/L	# 94
3) tertiary butyl alcohol	7.162	59	3657	24.94	ug/L	65
5) chlorodifluoromethane	3.739	51	7787	5.00	ug/L	96
6) dichlorodifluoromethane	3.712	85	12811	5.42	ug/L	97
7) chloromethane	4.027	50	13493	5.07	ug/L	99
8) vinyl chloride	4.268	62	12206	5.07	ug/L	98
9) bromomethane	4.892	94	7515	5.44	ug/L	96
10) chloroethane	5.065	64	5798	5.20	ug/L	97
12) trichlorofluoromethane	5.485	101	11700	5.29	ug/L	99
13) ethyl ether	5.920	74	3318	4.34	ug/L	93
14) acrolein	6.192	56	12382	49.32	ug/L	97
15) 1,1-dichloroethene	6.308	96	6786	4.97	ug/L	97
16) acetone	6.523	43	4394	10.29	ug/L	48
17) allyl chloride	6.848	76	3019	4.03	ug/L	# 51
18) acetonitrile	6.842	40	943	8.22	ug/L	# 1
19) iodomethane	6.580	142	13006	4.79	ug/L	93
20) iso-butyl alcohol	9.385	41	14893	47.87	ug/L	94
21) carbon disulfide	6.701	76	25000	4.81	ug/L	97
22) methylene chloride	7.021	84	7834	4.85	ug/L	89
23) methyl acetate	6.958	43	3581	3.96	ug/L	# 83
24) methyl tert butyl ether	7.330	73	20038	4.76	ug/L	97
25) trans-1,2-dichloroethene	7.398	96	7490	4.96	ug/L	99
26) di-isopropyl ether	7.923	45	23018	4.88	ug/L	99
27) ethyl tert-butyl ether	8.389	59	21842	4.94	ug/L	97
28) 2-butanone	8.767	72	487	3.67	ug/L	# 9
29) 1,1-dichloroethane	7.949	63	12754	4.86	ug/L	98
30) chloroprene	8.069	53	8324	4.93	ug/L	98
31) acrylonitrile	7.430	53	11994	23.83	ug/L	98
33) ethyl acetate	8.746	45	669	3.43	ug/L	# 1
34) 2,2-dichloropropane	8.683	77	10673	4.98	ug/L	95
35) cis-1,2-dichloroethene	8.698	96	7840	4.78	ug/L	92
36) propionitrile	8.819	54	8936	47.16	ug/L	# 54
37) bromochloromethane	9.008	128	3673	4.73	ug/L	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50547.D
 Acq On : 16 Sep 2010 3:15 pm
 Operator : TAMIKAG
 Sample : IC2195-5
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 16 15:52:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 15:48:37 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) tetrahydrofuran	9.081	42	2577	5.61	ug/L	79
39) chloroform	9.060	83	11969	4.80	ug/L	98
40) Tert-Butyl Formate	9.081	59	6306	4.93	ug/L	98
43) freon 113	6.276	151	5438	4.97	ug/L	100
44) methacrylonitrile	9.013	41	2712	3.45	ug/L	89
45) 1,1,1-trichloroethane	9.296	97	10290	4.79	ug/L	93
47) 2,2,4-Trimethylpentane	9.716	57	25798	4.94	ug/L	98
48) tert-amyl methyl ether	9.773	73	21905	4.94	ug/L	93
50) epichlorohydrin	11.430	57	3096	25.89	ug/L	95
51) n-butyl alcohol	10.334	56	8521	233.09	ug/L	97
52) cyclohexane	9.354	84	10967	5.09	ug/L #	1
53) carbon tetrachloride	9.495	117	9163	4.84	ug/L	98
54) 1,1-dichloropropene	9.485	75	9298	4.88	ug/L	95
55) hexane	7.676	57	8249	5.39	ug/L	97
56) benzene	9.747	78	27799	4.75	ug/L	99
57) heptane	9.910	57	4619	5.25	ug/L	95
58) isopropyl acetate	9.705	43	7940	3.19	ug/L	97
59) 1,2-dichloroethane	9.779	62	8138	4.88	ug/L	99
60) trichloroethene	10.471	95	6831	4.78	ug/L	99
63) 2-chloroethyl vinyl ether	11.283	63	19551	24.41	ug/L	97
64) methyl methacrylate	10.785	41	6141	3.12	ug/L	70
65) 1,2-dichloropropane	10.738	63	7137	4.82	ug/L	97
66) methylcyclohexane	10.665	83	11448	5.07	ug/L	93
67) dibromomethane	10.906	93	4179	4.71	ug/L	98
68) bromodichloromethane	11.037	83	8739	4.77	ug/L	97
69) cis-1,3-dichloropropene	11.498	75	10595	4.59	ug/L	99
71) 4-methyl-2-pentanone	11.614	58	2144	4.58	ug/L #	1
72) toluene	11.855	92	16254	4.78	ug/L	99
73) 3-methyl-1-butanol	11.645	70	2814	92.72	ug/L	96
74) trans-1,3-dichloropropene	12.070	75	9221	4.66	ug/L	97
75) ethyl methacrylate	12.070	69	7071	4.44	ug/L	97
76) 1,1,2-trichloroethane	12.274	83	4799	4.66	ug/L	97
77) 2-hexanone	12.489	58	2615	5.71	ug/L	86
79) tetrachloroethene	12.437	166	7077	4.75	ug/L	92
80) 1,3-dichloropropane	12.463	76	8879	4.82	ug/L	96
81) butyl acetate	12.552	56	3235	4.54	ug/L #	73
82) 3,3-Dimethyl-1-Butanol	12.636	57	5860	46.26	ug/L #	95
83) dibromochloromethane	12.725	129	6726	4.70	ug/L	97
84) 1,2-dibromoethane	12.877	107	5652	4.71	ug/L	97
86) chlorobenzene	13.333	112	17274	4.78	ug/L	97
87) 1,1,1,2-tetrachloroethane	13.386	131	6363	4.70	ug/L	97
88) ethylbenzene	13.386	91	28771	4.78	ug/L	99
89) m,p-xylene	13.491	106	22081	9.59	ug/L	100
90) o-xylene	13.910	106	10986	4.80	ug/L	94
91) styrene	13.926	104	18004	4.73	ug/L	99
92) Butyl Acrylate	13.297	55	1224	1.07	ug/L #	86
93) bromoform	14.193	173	4584	4.59	ug/L	95
95) isopropylbenzene	14.251	105	28703	4.67	ug/L	99
97) bromobenzene	14.655	156	7726	4.71	ug/L	91
98) cyclohexanone	14.424	55	14249	80.07	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50547.D
 Acq On : 16 Sep 2010 3:15 pm
 Operator : TAMIKAG
 Sample : IC2195-5
 Misc : MS2005,V3D2195,W,,,,1
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 16 15:52:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 15:48:37 2010
 Response via : Initial Calibration

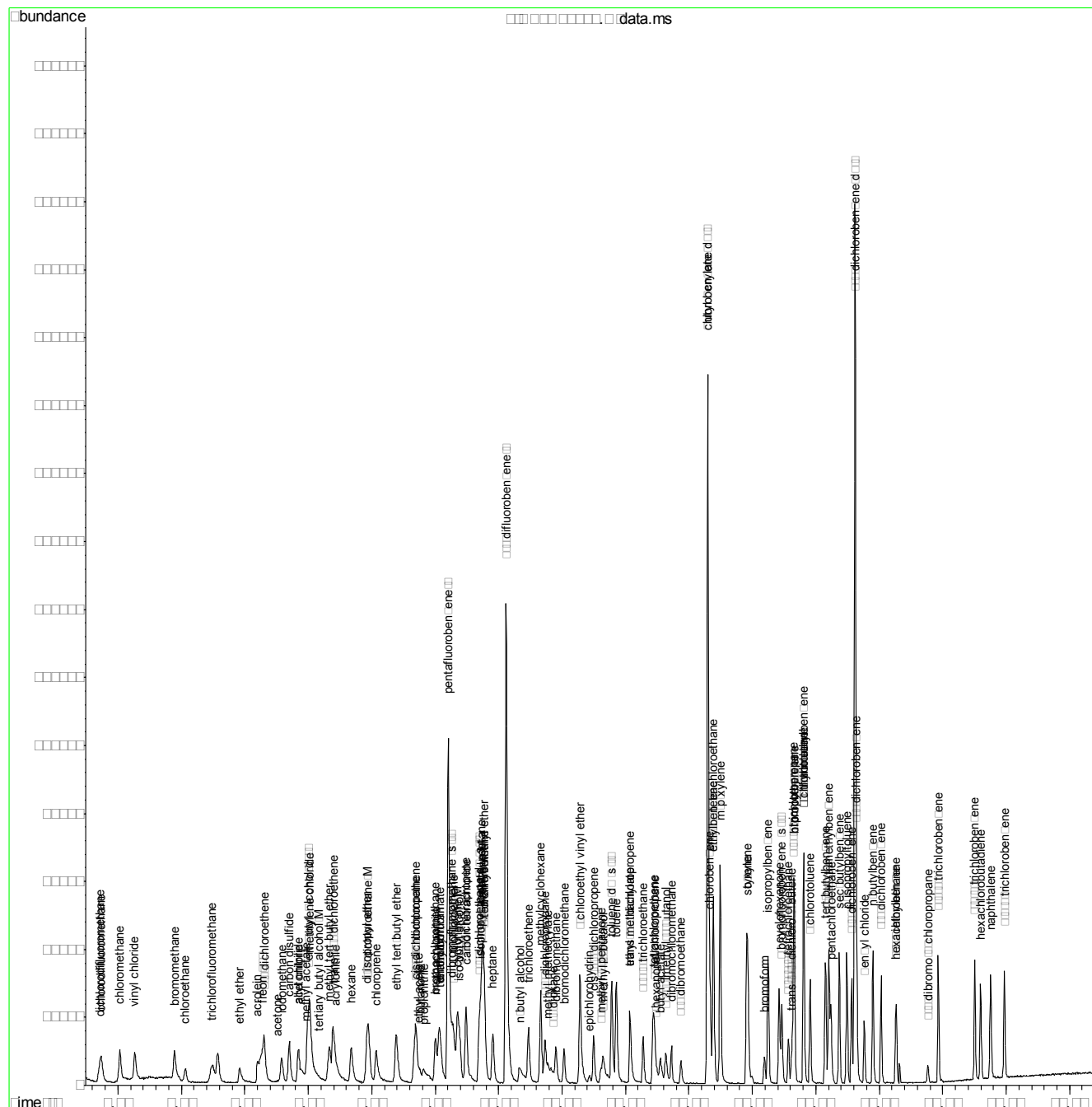
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
99) 1,1,2,2-tetrachloroethane	14.565	83	7678	4.46	ug/L	97
100) trans-1,4-dichloro-2-b...	14.613	53	1699	4.54	ug/L #	78
101) 1,2,3-trichloropropane	14.644	110	1703	4.55	ug/L	90
102) n-propylbenzene	14.660	91	33905	4.64	ug/L	100
103) 4-Ethyltoluene	14.812	105	23939	4.25	ug/L	99
104) 2-chlorotoluene	14.807	126	6897	4.64	ug/L	94
105) 4-chlorotoluene	14.912	126	7139	4.75	ug/L	99
106) 1,3,5-trimethylbenzene	14.812	105	23939	4.67	ug/L	100
107) tert-butylbenzene	15.153	119	19426	4.51	ug/L	96
108) pentachloroethane	15.242	167	4882	4.36	ug/L	96
109) 1,2,4-trimethylbenzene	15.205	105	23655	4.60	ug/L	97
110) sec-butylbenzene	15.368	105	31008	4.61	ug/L	100
111) 1,3-dichlorobenzene	15.567	146	14105	4.55	ug/L	98
112) p-isopropyltoluene	15.493	119	25258	4.60	ug/L	98
113) 1,4-dichlorobenzene	15.646	146	15570	4.74	ug/L	99
114) 1,2-dichlorobenzene	16.028	146	14378	4.61	ug/L	97
115) 1,4-Diethylbenzene	16.264	119	5152	4.04	ug/L #	1
116) n-butylbenzene	15.897	92	13576	4.69	ug/L	94
118) 1,2-dibromo-3-chloropr...	16.768	75	1348	4.56	ug/L	97
119) 1,3,5-trichlorobenzene	16.935	180	12824	4.67	ug/L	97
120) 1,2,4-trichlorobenzene	17.507	180	11895	4.65	ug/L	98
121) hexachlorobutadiene	17.601	225	6394	4.58	ug/L	99
122) naphthalene	17.753	128	25314	4.65	ug/L	98
123) 1,2,3-trichlorobenzene	17.973	180	10912	4.69	ug/L	97
124) hexachloroethane	16.264	119	5152	4.32	ug/L	98
125) Benzyl chloride	15.761	91	15231	4.78	ug/L	99

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

(QT Reviewed)

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Data Path   : C:\msdchem\1\DATA\  
Data File  : 3D50547.D  
Acq On     : 16 Sep 2010    3:15 pm  
Operator   : TAMIKAG  
Sample     : IC2195-5  
Misc       : MS2005,V3D2195,W,,,,,1  
ALS Vial   : 14    Sample Multiplier: 1
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Quant Time: Sep 16 15:52:03 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 15:48:37 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50549.D
 Acq On : 16 Sep 2010 3:43 pm
 Operator : TAMIKAG
 Sample : IC2195-0.5
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 16 16:09:13 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:03:32 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	6.989	65	50589	500.00	ug/L	0.00
4) pentafluorobenzene	9.207	168	104209	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	155393	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	128250	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	71059	50.00	ug/L	0.00

System Monitoring Compounds

41) dibromofluoromethane (s)	9.265	113	1590	1.12	ug/L	0.01
Spiked Amount	50.000	Range	76 - 120	Recovery	=	2.24%#
42) 1,2-dichloroethane-d4 (s)	9.700	65	1139	0.77	ug/L	0.03
Spiked Amount	50.000	Range	64 - 135	Recovery	=	1.54%#
70) toluene-d8 (s)	11.787	98	5961	1.23	ug/L	0.02
Spiked Amount	50.000	Range	76 - 117	Recovery	=	2.46%#
96) 4-bromofluorobenzene (s)	14.471	95	1991	1.11	ug/L	0.02
Spiked Amount	50.000	Range	72 - 122	Recovery	=	2.22%#

Target Compounds

						Qvalue
5) chlorodifluoromethane	3.728	51	860	0.55	ug/L	65
6) dichlorodifluoromethane	3.707	85	1114	0.46	ug/L	85
7) chloromethane	4.016	50	1456	0.54	ug/L	98
8) vinyl chloride	4.247	62	1314	0.54	ug/L	82
9) bromomethane	4.876	94	901	0.64	ug/L	78
10) chloroethane	5.049	64	654	0.58	ug/L	# 45
12) trichlorofluoromethane	5.495	101	1049	0.47	ug/L	74
13) ethyl ether	5.935	74	299	0.40	ug/L	# 57
14) acrolein	6.266	56	1302	5.14	ug/L	82
15) 1,1-dichloroethene	6.302	96	1016	0.74	ug/L	# 71
17) allyl chloride	6.848	76	451	0.61	ug/L	# 22
19) iodomethane	6.575	142	1921	0.70	ug/L	94
20) iso-butyl alcohol	9.348	41	2521	8.07	ug/L	79
21) carbon disulfide	6.701	76	3727	0.71	ug/L	88
22) methylene chloride	7.026	84	1230	0.76	ug/L	97
24) methyl tert butyl ether	7.346	73	3219	0.76	ug/L	90
25) trans-1,2-dichloroethene	7.419	96	1096	0.72	ug/L	69
26) di-isopropyl ether	7.938	45	3112	0.66	ug/L	95
27) ethyl tert-butyl ether	8.399	59	2899	0.65	ug/L	93
29) 1,1-dichloroethane	7.959	63	1811	0.69	ug/L	90
30) chloroprene	8.090	53	840	0.49	ug/L	78
34) 2,2-dichloropropane	8.672	77	1568	0.72	ug/L	97
35) cis-1,2-dichloroethene	8.719	96	1245	0.76	ug/L	# 80
37) bromochloromethane	9.008	128	477	0.61	ug/L	83
39) chloroform	9.071	83	1823	0.73	ug/L	93
40) Tert-Butyl Formate	9.113	59	748	0.58	ug/L	# 75
43) freon 113	6.255	151	621	0.56	ug/L	97
45) 1,1,1-trichloroethane	9.286	97	1461	0.68	ug/L	# 35
47) 2,2,4-Trimethylpentane	9.726	57	3095	0.59	ug/L	84
48) tert-amyl methyl ether	9.773	73	3221	0.72	ug/L	99
52) cyclohexane	9.348	84	1610	0.74	ug/L	91
53) carbon tetrachloride	9.490	117	1381	0.72	ug/L	87
54) 1,1-dichloropropene	9.495	75	1380	0.72	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
 Data File : 3D50549.D
 Acq On : 16 Sep 2010 3:43 pm
 Operator : TAMIKAG
 Sample : IC2195-0.5
 Misc : MS2005,V3D2195,W,,,1
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 16 16:09:13 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:03:32 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) hexane	7.697	57	917	0.58	ug/L	87
56) benzene	9.757	78	4086	0.69	ug/L	97
57) heptane	9.915	57	482	0.54	ug/L	78
59) 1,2-dichloroethane	9.805	62	1145	0.68	ug/L	80
60) trichloroethene	10.481	95	932	0.65	ug/L	90
63) 2-chloroethyl vinyl ether	11.315	63	2718	3.36	ug/L	99
65) 1,2-dichloropropane	10.748	63	1054	0.71	ug/L	81
66) methylcyclohexane	10.665	83	1413	0.62	ug/L	88
67) dibromomethane	10.916	93	564	0.63	ug/L	90
68) bromodichloromethane	11.037	83	1278	0.69	ug/L	88
69) cis-1,3-dichloropropene	11.514	75	1484	0.64	ug/L	97
72) toluene	11.870	92	2364	0.69	ug/L	94
74) trans-1,3-dichloropropene	12.091	75	1491	0.75	ug/L	82
75) ethyl methacrylate	12.106	69	927	0.58	ug/L	84
76) 1,1,2-trichloroethane	12.290	83	713	0.69	ug/L	88
79) tetrachloroethene	12.447	166	997	0.65	ug/L	90
80) 1,3-dichloropropane	12.473	76	1325	0.70	ug/L	76
82) 3,3-Dimethyl-1-Butanol	12.652	57	1063	8.24	ug/L #	75
83) dibromochloromethane	12.736	129	1001	0.69	ug/L	88
84) 1,2-dibromoethane	12.882	107	827	0.68	ug/L	95
86) chlorobenzene	13.328	112	2641	0.71	ug/L	84
87) 1,1,1,2-tetrachloroethane	13.396	131	955	0.69	ug/L	88
88) ethylbenzene	13.396	91	4320	0.70	ug/L	95
89) m,p-xylene	13.506	106	3201	1.36	ug/L	85
90) o-xylene	13.915	106	1488	0.64	ug/L	96
91) styrene	13.947	104	2517	0.65	ug/L	96
92) Butyl Acrylate	13.297	55	1137	1.59	ug/L #	88
93) bromoform	14.198	173	664	0.65	ug/L	91
95) isopropylbenzene	14.256	105	4149	0.67	ug/L	95
97) bromobenzene	14.660	156	1078	0.66	ug/L	84
98) cyclohexanone	14.429	55	2425	12.54	ug/L	95
99) 1,1,2,2-tetrachloroethane	14.571	83	1286	0.75	ug/L	96
101) 1,2,3-trichloropropane	14.644	110	248	0.66	ug/L	87
102) n-propylbenzene	14.665	91	5014	0.68	ug/L	90
103) 4-Ethyltoluene	14.817	105	3471	0.66	ug/L	95
104) 2-chlorotoluene	14.817	126	1008	0.68	ug/L	96
105) 4-chlorotoluene	14.917	126	981	0.65	ug/L	96
106) 1,3,5-trimethylbenzene	14.817	105	3471	0.68	ug/L	88
107) tert-butylbenzene	15.153	119	2856	0.66	ug/L	99
108) pentachloroethane	15.242	167	689	0.62	ug/L	93
109) 1,2,4-trimethylbenzene	15.210	105	3513	0.68	ug/L	99
110) sec-butylbenzene	15.373	105	4499	0.67	ug/L	97
111) 1,3-dichlorobenzene	15.572	146	2346	0.76	ug/L	96
112) p-isopropyltoluene	15.493	119	3841	0.70	ug/L	94
113) 1,4-dichlorobenzene	15.645	146	2555	0.77	ug/L	93
114) 1,2-dichlorobenzene	16.033	146	2270	0.73	ug/L	85
115) 1,4-Diethylbenzene	16.264	119	728	0.62	ug/L #	1
116) n-butylbenzene	15.908	92	1951	0.67	ug/L	93
118) 1,2-dibromo-3-chloropr...	16.773	75	222	0.75	ug/L	77
119) 1,3,5-trichlorobenzene	16.935	180	1964	0.71	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3D50549.D
Acq On : 16 Sep 2010 3:43 pm
Operator : TAMIKAG
Sample : IC2195-0.5
Misc : MS2005,V3D2195,W,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 16 16:09:13 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:03:32 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
120) 1,2,4-trichlorobenzene	17.512	180	2037	0.79	ug/L	92
121) hexachlorobutadiene	17.601	225	1120	0.80	ug/L	94
122) naphthalene	17.764	128	4460	0.82	ug/L	98
123) 1,2,3-trichlorobenzene	17.979	180	1964	0.84	ug/L	94
124) hexachloroethane	16.264	119	728	0.61	ug/L	95
125) Benzyl chloride	15.771	91	2361	0.74	ug/L	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\v3d2197-2200\
 Data File : 3D50578.D
 Acq On : 17 Sep 2010 12:37 pm
 Operator : TAMIKAG
 Sample : ICV2195-50
 Misc : MS2173,V3D2197,W,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 13:07:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	7.000	65	47634	500.00	ug/L	0.00
4) pentafluorobenzene	9.207	168	112532	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	170590	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	138586	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	75233	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.254	113	69423	45.15	ug/L	0.00
Spiked Amount 50.000	Range 76	- 120	Recovery	=	90.30%	
42) 1,2-dichloroethane-d4 (s)	9.668	65	72414	45.35	ug/L	0.00
Spiked Amount 50.000	Range 64	- 135	Recovery	=	90.70%	
70) toluene-d8 (s)	11.771	98	240716	45.37	ug/L	0.00
Spiked Amount 50.000	Range 76	- 117	Recovery	=	90.74%	
96) 4-bromofluorobenzene (s)	14.455	95	80978	44.54	ug/L	0.00
Spiked Amount 50.000	Range 72	- 122	Recovery	=	89.08%	
Target Compounds						
2) 1,4-dioxane	10.848	88	16059	1277.57	ug/L	Qvalue # 100
3) tertiary butyl alcohol	7.110	59	34948	246.77	ug/L	95
5) chlorodifluoromethane	3.738	51	86905	50.61	ug/L	98
6) dichlorodifluoromethane	3.712	85	130433	50.48	ug/L	99
7) chloromethane	4.043	50	133505	45.48	ug/L	99
8) vinyl chloride	4.279	62	124300	46.81	ug/L	99
9) bromomethane	4.892	94	77231	47.52	ug/L	99
10) chloroethane	5.060	64	57688	46.41	ug/L	99
12) trichlorofluoromethane	5.479	101	118595	49.13	ug/L	98
13) ethyl ether	5.888	74	39664	48.63	ug/L	94
14) acrolein	6.145	56	136601	497.96	ug/L	96
15) 1,1-dichloroethene	6.297	96	69579	46.70	ug/L	98
16) acetone	6.428	43	19521	45.82	ug/L	93
17) allyl chloride	6.821	76	36705	44.91	ug/L	95
18) acetonitrile	6.811	40	57564	460.00	ug/L	92
19) iodomethane	6.575	142	139964	47.46	ug/L	98
20) iso-butyl alcohol	9.375	41	154625	458.28	ug/L	95
21) carbon disulfide	6.690	76	245857	43.59	ug/L	99
22) methylene chloride	7.015	84	82862	47.21	ug/L	97
23) methyl acetate	6.832	43	46818	44.26	ug/L	99
24) methyl tert butyl ether	7.319	73	218525	47.85	ug/L	99
25) trans-1,2-dichloroethene	7.377	96	73261	44.52	ug/L	98
26) di-isopropyl ether	7.912	45	236055	44.50	ug/L	99
27) ethyl tert-butyl ether	8.379	59	226012	45.38	ug/L	98
28) 2-butanone	8.683	72	7239	49.93	ug/L	84
29) 1,1-dichloroethane	7.943	63	138080	46.49	ug/L	99
30) chloroprene	8.048	53	87174	47.46	ug/L	99
31) acrylonitrile	7.351	53	125850	230.53	ug/L	99
32) vinyl acetate	7.954	86	9372	46.24	ug/L	96
33) ethyl acetate	8.683	45	9556	47.39	ug/L	48
34) 2,2-dichloropropane	8.672	77	116463	49.82	ug/L	98
35) cis-1,2-dichloroethene	8.683	96	92543	52.00	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\v3d2197-2200\
 Data File : 3D50578.D
 Acq On : 17 Sep 2010 12:37 pm
 Operator : TAMIKAG
 Sample : ICV2195-50
 Misc : MS2173,V3D2197,W,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 13:07:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) propionitrile	8.761	54	95182	463.69	ug/L	95
37) bromochloromethane	8.992	128	42788	49.65	ug/L	99
38) tetrahydrofuran	9.039	42	22532	44.04	ug/L	99
39) chloroform	9.050	83	132585	48.98	ug/L	99
40) Tert-Butyl Formate	9.076	59	67693	47.77	ug/L	98
43) freon 113	6.266	151	60840	50.28	ug/L	97
44) methacrylonitrile	8.950	41	39703	46.31	ug/L	97
45) 1,1,1-trichloroethane	9.291	97	114819	47.36	ug/L	96
47) 2,2,4-Trimethylpentane	9.721	57	272810	47.05	ug/L	99
48) tert-amyl methyl ether	9.763	73	224768	46.48	ug/L	99
50) epichlorohydrin	11.404	57	29026	217.48	ug/L	98
51) n-butyl alcohol	10.271	56	86403	2145.45	ug/L	97
52) cyclohexane	9.349	84	109535	45.64	ug/L	98
53) carbon tetrachloride	9.490	117	102103	48.70	ug/L	99
54) 1,1-dichloropropene	9.474	75	103502	49.06	ug/L	97
55) hexane	7.665	57	87384	50.75	ug/L	99
56) benzene	9.731	78	303891	47.06	ug/L	100
57) heptane	9.899	57	49654	50.39	ug/L	98
58) isopropyl acetate	9.668	43	127271	44.34	ug/L	99
59) 1,2-dichloroethane	9.757	62	88369	46.02	ug/L	99
60) trichloroethene	10.455	95	79322	48.61	ug/L	98
63) 2-chloroethyl vinyl ether	11.267	63	198139	223.28	ug/L	100
64) methyl methacrylate	10.738	41	103717	47.37	ug/L	99
65) 1,2-dichloropropane	10.727	63	77276	47.15	ug/L	100
66) methylcyclohexane	10.665	83	121446	48.33	ug/L	99
67) dibromomethane	10.890	93	47353	46.98	ug/L	97
68) bromodichloromethane	11.026	83	99213	46.98	ug/L	98
69) cis-1,3-dichloropropene	11.488	75	115639	44.20	ug/L	99
71) 4-methyl-2-pentanone	11.587	58	25783	50.07	ug/L	97
72) toluene	11.844	92	179369	45.82	ug/L	99
73) 3-methyl-1-butanol	11.624	70	29878	894.23	ug/L	99
74) trans-1,3-dichloropropene	12.059	75	99210	45.48	ug/L	99
75) ethyl methacrylate	12.054	69	82608	46.48	ug/L	97
76) 1,1,2-trichloroethane	12.274	83	55043	46.54	ug/L	97
77) 2-hexanone	12.452	58	25289	48.73	ug/L	98
79) tetrachloroethene	12.431	166	84949	49.91	ug/L	98
80) 1,3-dichloropropane	12.452	76	98014	46.04	ug/L	99
81) butyl acetate	12.526	56	37284	47.66	ug/L	94
82) 3,3-Dimethyl-1-Butanol	12.625	57	58233	417.77	ug/L	99
83) dibromochloromethane	12.720	129	74327	45.24	ug/L	99
84) 1,2-dibromoethane	12.867	107	64879	47.21	ug/L	100
86) chlorobenzene	13.328	112	193102	48.37	ug/L	99
87) 1,1,1,2-tetrachloroethane	13.386	131	74292	47.73	ug/L	99
88) ethylbenzene	13.380	91	318140	47.85	ug/L	99
89) m,p-xylene	13.485	106	248009	93.76	ug/L	99
90) o-xylene	13.905	106	125108	48.04	ug/L	96
91) styrene	13.920	104	205741	47.46	ug/L	99
93) bromoform	14.188	173	49629	45.16	ug/L	99
95) isopropylbenzene	14.246	105	323992	47.83	ug/L	99
97) bromobenzene	14.649	156	85741	47.58	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\v3d2197-2200\
 Data File : 3D50578.D
 Acq On : 17 Sep 2010 12:37 pm
 Operator : TAMIKAG
 Sample : ICV2195-50
 Misc : MS2173,V3D2197,W,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 13:07:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) cyclohexanone	14.419	55	34200	271.45	ug/L	98
99) 1,1,2,2-tetrachloroethane	14.565	83	83047	45.71	ug/L	99
100) trans-1,4-dichloro-2-b...	14.607	53	4347	10.97	ug/L	91
101) 1,2,3-trichloropropane	14.639	110	18503	46.70	ug/L	99
102) n-propylbenzene	14.654	91	361380	46.61	ug/L	100
104) 2-chlorotoluene	14.801	126	77837	47.49	ug/L	97
105) 4-chlorotoluene	14.906	126	76767	46.46	ug/L	99
106) 1,3,5-trimethylbenzene	14.807	105	260772	47.97	ug/L	100
107) tert-butylbenzene	15.153	119	222798	47.22	ug/L	100
108) pentachloroethane	15.242	167	58386	48.24	ug/L	98
109) 1,2,4-trimethylbenzene	15.205	105	259673	47.66	ug/L	99
110) sec-butylbenzene	15.368	105	343736	46.52	ug/L	99
111) 1,3-dichlorobenzene	15.562	146	160655	49.01	ug/L	98
112) p-isopropyltoluene	15.488	119	288786	49.66	ug/L	99
113) 1,4-dichlorobenzene	15.640	146	166016	47.56	ug/L	99
114) 1,2-dichlorobenzene	16.023	146	158721	48.01	ug/L	98
116) n-butylbenzene	15.897	92	152726	47.89	ug/L	99
118) 1,2-dibromo-3-chloropr...	16.762	75	14307	45.76	ug/L	94
119) 1,3,5-trichlorobenzene	16.930	180	143904	49.37	ug/L	99
120) 1,2,4-trichlorobenzene	17.501	180	135005	49.70	ug/L	98
121) hexachlorobutadiene	17.601	225	72031	48.71	ug/L	99
122) naphthalene	17.748	128	287261	49.72	ug/L	100
123) 1,2,3-trichlorobenzene	17.973	180	122967	49.76	ug/L	100
124) hexachloroethane	16.264	119	59578	46.30	ug/L	97
125) Benzyl chloride	15.761	91	157197	46.35	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51504.D
 Acq On : 10 Oct 2010 4:10 am
 Operator : TAMIKAG
 Sample : CC2195-50
 Misc : MS3105,V3D2233,W,,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 12 13:06:02 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	6.994	65	45242	500.00	ug/L	0.00
4) pentafluorobenzene	9.202	168	111533	50.00	ug/L	0.00
49) 1,4-difluorobenzene	10.119	114	152398	50.00	ug/L	0.00
78) chlorobenzene-d5	13.297	117	119078	50.00	ug/L	0.00
94) 1,4-dichlorobenzene-d4	15.619	152	61496	50.00	ug/L	0.00
System Monitoring Compounds						
41) dibromofluoromethane (s)	9.249	113	64513	42.33	ug/L	0.00
Spiked Amount 50.000	Range 76 - 120		Recovery =	84.66%		
42) 1,2-dichloroethane-d4 (s)	9.668	65	69799	44.10	ug/L	0.00
Spiked Amount 50.000	Range 64 - 135		Recovery =	88.20%		
70) toluene-d8 (s)	11.771	98	212792	44.90	ug/L	0.00
Spiked Amount 50.000	Range 76 - 117		Recovery =	89.80%		
96) 4-bromofluorobenzene (s)	14.455	95	72735	48.94	ug/L	0.00
Spiked Amount 50.000	Range 72 - 122		Recovery =	97.88%		
Target Compounds						
2) 1,4-dioxane	10.848	88	16607	1391.02	ug/L	99
3) tertiary butyl alcohol	7.110	59	35441	263.48	ug/L	91
5) chlorodifluoromethane	3.733	51	81442	47.85	ug/L	97
6) dichlorodifluoromethane	3.712	85	131924	51.52	ug/L	98
7) chloromethane	4.037	50	107227	36.85	ug/L	97
8) vinyl chloride	4.279	62	106563	40.49	ug/L	99
9) bromomethane	4.887	94	70088	43.51	ug/L	98
10) chloroethane	5.054	64	55141	44.76	ug/L	97
12) trichlorofluoromethane	5.490	101	138852	58.04	ug/L	95
13) ethyl ether	5.888	74	36119	44.68	ug/L	97
14) acrolein	6.150	56	93998	345.72	ug/L	97
15) 1,1-dichloroethene	6.297	96	67810	45.92	ug/L	98
16) acetone	6.418	43	18898	44.64	ug/L	87
17) allyl chloride	6.816	76	32944	40.67	ug/L	97
18) acetonitrile	6.806	40	54672	440.81	ug/L	# 83
19) iodomethane	6.570	142	131110	44.86	ug/L	95
20) iso-butyl alcohol	9.370	41	149447	446.90	ug/L	98
21) carbon disulfide	6.685	76	250465	44.81	ug/L	98
22) methylene chloride	7.010	84	75092	43.16	ug/L	93
23) methyl acetate	6.837	43	42317	40.70	ug/L	98
24) methyl tert butyl ether	7.319	73	211052	46.63	ug/L	96
25) trans-1,2-dichloroethene	7.372	96	73189	44.88	ug/L	96
26) di-isopropyl ether	7.907	45	211468	40.22	ug/L	96
27) ethyl tert-butyl ether	8.379	59	217299	44.02	ug/L	98
28) 2-butanone	8.683	72	6807	47.37	ug/L	83
29) 1,1-dichloroethane	7.938	63	128491	43.65	ug/L	98
30) chloroprene	8.048	53	85613	47.03	ug/L	96
31) acrylonitrile	7.346	53	117820	217.75	ug/L	98
32) vinyl acetate	7.964	86	6521	34.43	ug/L	55
33) ethyl acetate	8.688	45	8850	44.28	ug/L	100
34) 2,2-dichloropropane	8.667	77	78514	33.89	ug/L	99
35) cis-1,2-dichloroethene	8.683	96	78190	44.32	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51504.D
 Acq On : 10 Oct 2010 4:10 am
 Operator : TAMIKAG
 Sample : CC2195-50
 Misc : MS3105,V3D2233,W,,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 12 13:06:02 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) propionitrile	8.756	54	92657	455.43	ug/L	95
37) bromochloromethane	8.987	128	39000	45.66	ug/L	100
38) tetrahydrofuran	9.039	42	19753	38.96	ug/L	94
39) chloroform	9.044	83	132284	49.31	ug/L	99
40) Tert-Butyl Formate	9.071	59	53213	37.89	ug/L #	94
43) freon 113	6.260	151	56728	47.30	ug/L	96
44) methacrylonitrile	8.945	41	35689	42.00	ug/L	99
45) 1,1,1-trichloroethane	9.286	97	120512	50.15	ug/L	96
47) 2,2,4-Trimethylpentane	9.716	57	210290	36.59	ug/L	96
48) tert-amyl methyl ether	9.758	73	209435	43.70	ug/L	99
50) epichlorohydrin	11.404	57	24732	207.42	ug/L	94
51) n-butyl alcohol	10.266	56	82241	2285.87	ug/L	99
52) cyclohexane	9.349	84	105381	49.15	ug/L	98
53) carbon tetrachloride	9.485	117	107226	57.25	ug/L	98
54) 1,1-dichloropropene	9.469	75	99637	52.87	ug/L	98
55) hexane	7.660	57	66612	43.30	ug/L	99
56) benzene	9.731	78	287481	49.83	ug/L	100
57) heptane	9.899	57	33368	37.90	ug/L	98
58) isopropyl acetate	9.668	43	112057	43.73	ug/L	98
59) 1,2-dichloroethane	9.752	62	96967	56.53	ug/L	98
60) trichloroethene	10.455	95	76660	52.58	ug/L	99
63) 2-chloroethyl vinyl ether	11.267	63	190276	240.02	ug/L	98
64) methyl methacrylate	10.738	41	100838	51.56	ug/L	98
65) 1,2-dichloropropane	10.722	63	70776	48.34	ug/L	94
66) methylcyclohexane	10.659	83	105694	47.08	ug/L	97
67) dibromomethane	10.890	93	45515	50.55	ug/L	99
68) bromodichloromethane	11.021	83	97121	51.48	ug/L	99
69) cis-1,3-dichloropropene	11.482	75	105751	45.25	ug/L	97
71) 4-methyl-2-pentanone	11.587	58	23658	51.43	ug/L	97
72) toluene	11.844	92	165539	47.34	ug/L	97
73) 3-methyl-1-butanol	11.619	70	28237	946.00	ug/L	97
74) trans-1,3-dichloropropene	12.059	75	93603	48.04	ug/L	98
75) ethyl methacrylate	12.049	69	74684	47.03	ug/L	99
76) 1,1,2-trichloroethane	12.269	83	49849	47.18	ug/L	98
77) 2-hexanone	12.452	58	21776	46.97	ug/L	97
79) tetrachloroethene	12.431	166	125758	85.99	ug/L	99
80) 1,3-dichloropropane	12.452	76	91539	50.04	ug/L	99
81) butyl acetate	12.521	56	33064	49.19	ug/L	96
82) 3,3-Dimethyl-1-Butanol	12.620	57	52620	439.35	ug/L	99
83) dibromochloromethane	12.715	129	74338	52.66	ug/L	99
84) 1,2-dibromoethane	12.861	107	61331	51.94	ug/L	97
86) chlorobenzene	13.323	112	173465	50.57	ug/L	97
87) 1,1,1,2-tetrachloroethane	13.386	131	70108	52.43	ug/L	98
88) ethylbenzene	13.375	91	297590	52.09	ug/L	99
89) m,p-xylene	13.485	106	222671	97.97	ug/L	95
90) o-xylene	13.905	106	109072	48.74	ug/L	93
91) styrene	13.920	104	185093	49.69	ug/L	98
93) bromoform	14.183	173	49874	52.82	ug/L	99
95) isopropylbenzene	14.246	105	293649	53.04	ug/L	99
97) bromobenzene	14.644	156	77335	52.50	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
 Data File : 3D51504.D
 Acq On : 10 Oct 2010 4:10 am
 Operator : TAMIKAG
 Sample : CC2195-50
 Misc : MS3105,V3D2233,W,,,,1
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 12 13:06:02 2010
 Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
 Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
 QLast Update : Thu Sep 16 16:32:30 2010
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) cyclohexanone	14.413	55	66450	859.13	ug/L	97
99) 1,1,2,2-tetrachloroethane	14.565	83	70581	47.53	ug/L	98
100) trans-1,4-dichloro-2-b...	14.607	53	8601	26.55	ug/L	96
101) 1,2,3-trichloropropane	14.634	110	18258	56.37	ug/L	94
102) n-propylbenzene	14.655	91	335524	52.94	ug/L	99
104) 2-chlorotoluene	14.801	126	68371	51.04	ug/L	93
105) 4-chlorotoluene	14.901	126	68780	50.92	ug/L	87
106) 1,3,5-trimethylbenzene	14.807	105	246321	55.44	ug/L	97
107) tert-butylbenzene	15.153	119	205055	53.17	ug/L	94
108) pentachloroethane	15.236	167	11240	11.36	ug/L	93
109) 1,2,4-trimethylbenzene	15.200	105	241816	54.30	ug/L	97
110) sec-butylbenzene	15.368	105	312223	51.69	ug/L	99
111) 1,3-dichlorobenzene	15.562	146	142338	53.12	ug/L	99
112) p-isopropyltoluene	15.488	119	256844	54.03	ug/L	96
113) 1,4-dichlorobenzene	15.640	146	149760	52.49	ug/L	97
114) 1,2-dichlorobenzene	16.023	146	142098	52.58	ug/L	97
116) n-butylbenzene	15.897	92	130613	50.10	ug/L	97
118) 1,2-dibromo-3-chloropr...	16.762	75	14535	56.87	ug/L	96
119) 1,3,5-trichlorobenzene	16.930	180	122543	51.44	ug/L	99
120) 1,2,4-trichlorobenzene	17.501	180	118464	53.36	ug/L	98
121) hexachlorobutadiene	17.596	225	64394	53.28	ug/L	91
122) naphthalene	17.748	128	253595	53.70	ug/L	99
123) 1,2,3-trichlorobenzene	17.968	180	105929	52.44	ug/L	100
124) hexachloroethane	16.264	119	49578	47.13	ug/L	99
125) Benzyl chloride	15.756	91	71279	25.71	ug/L	98

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

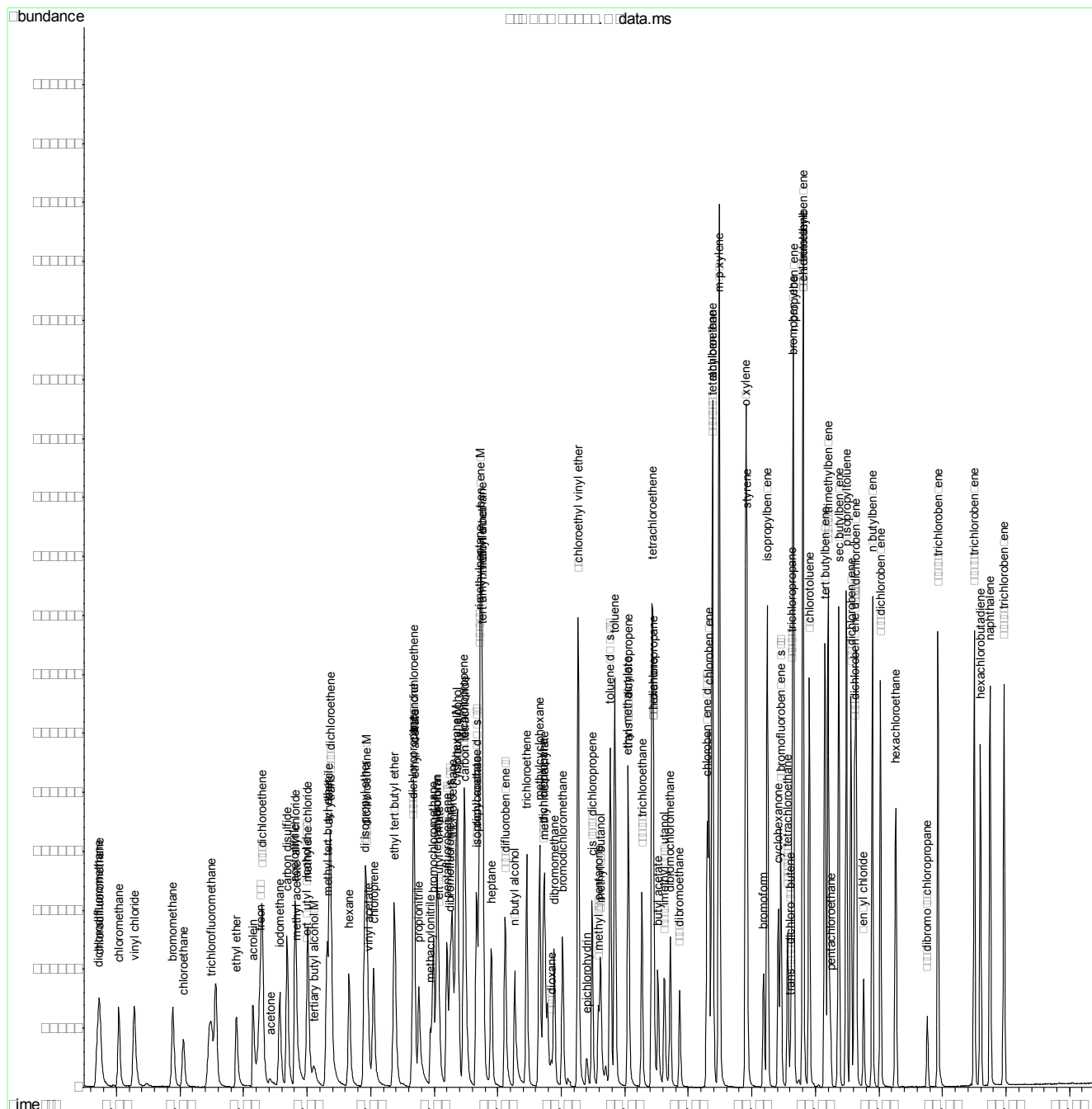
Quantitation Report (QT Reviewed)

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Data Path   : C:\msdchem\1\DATA\3D-CORE\V3D2233-35\
Data File   : 3D51504.D
Acq On      : 10 Oct 2010    4:10 am
Operator    : TAMIKAG
Sample      : CC2195-50
Misc        : MS3105,V3D2233,W,,,,,1
ALS Vial    : 28    Sample Multiplier: 1

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Quant Time: Oct 12 13:06:02 2010
Quant Method : C:\MSDCHEM\1\METHODS\M3D2195.M
Quant Title : Method SW846 8260B, ZB 624 60m x 0.25mm x 1.4 um
QLast Update : Thu Sep 16 16:32:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103251.D
 Acq On : 1 Sep 2010 9:50 am
 Operator : alexm1
 Sample : IC4387-5
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 16:02:57 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.59	65	58003	500.00	ug/L	0.01
4) pentafluorobenzene	8.11	168	109084	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	170397	50.00	ug/L	0.00
92) chlorobenzene-d5	12.50	117	148295	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	72920	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.10	113	7667	6.66	ug/L	0.02
Spiked Amount 50.000	Range 67 - 127		Recovery =	13.32%#		
54) 1,2-dichloroethane-d4 (s)	8.57	65	7949	6.21	ug/L	0.03
Spiked Amount 50.000	Range 65 - 132		Recovery =	12.42%#		
84) toluene-d8 (s)	10.88	98	31612	6.85	ug/L	0.02
Spiked Amount 50.000	Range 74 - 129		Recovery =	13.70%#		
109) 4-bromofluorobenzene (s)	13.78	95	13136	7.80	ug/L	0.02
Spiked Amount 50.000	Range 62 - 138		Recovery =	15.60%#		

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.74	59	4956	23.79	ug/L	93
3) 1,4-dioxane	9.93	88	993	156.62	ug/L #	1
10) chlorodifluoromethane	2.55	51	7246	5.40	ug/L	93
11) dichlorodifluoromethane	2.53	85	8640	5.26	ug/L	95
12) chloromethane	2.71	50	10932	5.37	ug/L	97
15) vinyl chloride	2.89	62	8896	5.15	ug/L	98
17) bromomethane	3.39	94	5974	5.36	ug/L	94
18) chloroethane	3.54	64	5366	5.24	ug/L	95
20) trichlorofluoromethane	3.93	101	8910	5.01	ug/L	94
21) Pentane	4.02	43	11688	5.27	ug/L	94
22) ethyl ether	4.37	74	4403	5.06	ug/L	91
26) acrolein	4.63	56	13670	53.83	ug/L	98
27) 1,1-dichloroethene	4.75	96	5790	5.06	ug/L	96
28) acetone	4.91	58	305m	0.77	ug/L	
29) allyl chloride	5.31	78	1168	4.82	ug/L #	60
30) acetonitrile	5.38	40	2329	24.38	ug/L #	17
31) iodomethane	5.01	142	10068	5.00	ug/L	99
33) carbon disulfide	5.12	76	20862	5.02	ug/L	100
34) methylene chloride	5.53	84	7025	5.08	ug/L	91
35) methyl acetate	5.43	43	4586m	5.72	ug/L	
36) methyl tert butyl ether	5.90	73	17418	5.03	ug/L	90
37) trans-1,2-dichloroethene	5.94	96	6455	5.10	ug/L	88
38) di-isopropyl ether	6.62	45	23481	5.22	ug/L	97
40) 1,1-dichloroethane	6.56	63	11084	4.79	ug/L	94
41) chloroprene	6.71	53	8299	5.24	ug/L	89
42) acrylonitrile	6.00	53	9552	22.71	ug/L	98
44) ethyl tert-butyl ether	7.14	59	18221	5.13	ug/L	95
46) 2,2-dichloropropane	7.38	77	9260	5.04	ug/L	92
47) cis-1,2-dichloroethene	7.44	96	6857	4.99	ug/L	85
48) propionitrile	7.65	54	7245	44.31	ug/L	82
49) bromochloromethane	7.78	128	2937	4.85	ug/L	84
50) tetrahydrofuran	7.92	42	3367m	7.37	ug/L	
51) chloroform	7.87	83	10733	4.98	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103251.D
 Acq On : 1 Sep 2010 9:50 am
 Operator : alexm1
 Sample : IC4387-5
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 16:02:57 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) tert-butyl formate	7.91	59	4812	4.98	ug/L #	40
55) freon 113	4.74	151	4460	4.79	ug/L	94
57) 1,1,1-trichloroethane	8.10	97	9049	5.07	ug/L	76
58) Cyclohexane	8.15	84	13297	5.77	ug/L	98
60) epichlorohydrin	10.53	57	3447	27.25	ug/L	92
61) n-butyl alcohol	8.24	56	12259	232.12	ug/L	97
62) carbon tetrachloride	8.33	117	7776	5.02	ug/L	94
63) 1,1-dichloropropene	8.35	75	8501	5.06	ug/L	93
64) hexane	6.29	86	1390	4.57	ug/L #	37
66) benzene	8.62	78	26680	5.09	ug/L	98
67) 2,2,4-trimethylpentane	8.65	57	26788	5.40	ug/L #	54
68) tert-amyl methyl ether	8.72	73	17466	5.23	ug/L	93
69) heptane	8.89	57	6174	5.21	ug/L	87
70) isopropyl acetate	8.71	61	3019	4.65	ug/L #	55
71) 1,2-dichloroethane	8.68	62	6951	5.13	ug/L	94
73) trichloroethene	9.46	95	6180	5.07	ug/L	86
75) 2-nitropropane	10.35	41	1231	Below Cal		84
76) 2-chloroethyl vinyl ether	10.41	63	11207	20.96	ug/L	96
77) ethyl acrylate	9.64	55	9388	5.29	ug/L #	85
78) methyl methacrylate	9.92	69	3923	4.62	ug/L	84
79) 1,2-dichloropropane	9.72	63	6745	5.07	ug/L	96
80) dibromomethane	9.91	93	3131	4.67	ug/L	91
81) methylcyclohexane	9.64	83	11393	5.12	ug/L	99
82) bromodichloromethane	10.06	83	7980	5.04	ug/L	92
83) cis-1,3-dichloropropene	10.59	75	11047	5.16	ug/L	95
85) 4-methyl-2-pentanone	10.77	58	1343	4.14	ug/L #	75
86) toluene	10.96	92	16123	5.03	ug/L	99
87) 3-methyl-1-butanol	10.87	55	8144m	132.18	ug/L	
88) trans-1,3-dichloropropene	11.24	75	9040	4.97	ug/L	98
89) ethyl methacrylate	11.30	69	7733	4.70	ug/L	91
90) 1,1,2-trichloroethane	11.42	83	4608	5.23	ug/L	87
91) 2-hexanone	11.79	58	2064	4.07	ug/L #	66
93) tetrachloroethene	11.58	164	5269	5.21	ug/L	97
94) 1,3-dichloropropane	11.62	76	9323	5.23	ug/L	100
95) butyl acetate	11.85	56	2199	4.63	ug/L #	64
96) 3,3-dimethyl-1-butanol	11.91	57	6348	48.29	ug/L #	76
97) dibromochloromethane	11.89	129	5920	5.29	ug/L	97
98) 1,2-dibromoethane	12.04	107	4970	5.18	ug/L	94
99) chlorobenzene	12.54	112	17612	5.11	ug/L	96
101) 1,1,1,2-tetrachloroethane	12.60	131	6155	5.21	ug/L	92
102) ethylbenzene	12.63	91	29503	5.09	ug/L	98
103) m,p-xylene	12.75	106	23813	10.38	ug/L	98
104) o-xylene	13.19	106	11768	5.16	ug/L	95
105) styrene	13.22	104	19224	5.09	ug/L	99
106) bromoform	13.45	173	3941	5.00	ug/L	96
108) isopropylbenzene	13.56	105	30913	5.12	ug/L	97
110) cyclohexanone	13.71	55	13281	56.29	ug/L	95
111) bromobenzene	13.95	156	7030	4.91	ug/L	84
112) 1,1,2,2-tetrachloroethane	13.90	83	7550	5.26	ug/L	99
113) trans-1,4-dichloro-2-buten	13.98	53	1556	4.38	ug/L #	41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103251.D
 Acq On : 1 Sep 2010 9:50 am
 Operator : alexm1
 Sample : IC4387-5
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 08 16:02:57 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) 1,2,3-trichloropropane	13.96	110	1895	5.19	ug/L	# 80
115) n-propylbenzene	14.00	91	34593	5.06	ug/L	99
116) 4-Ethyltoluene	14.11	105	27245	5.17	ug/L	96
117) 2-chlorotoluene	14.12	126	7150	5.16	ug/L	98
118) 4-chlorotoluene	14.24	91	21045	4.93	ug/L	98
119) 1,3,5-trimethylbenzene	14.16	105	26690	5.12	ug/L	97
120) tert-butylbenzene	14.49	119	21794	5.08	ug/L	100
121) pentachloroethane	14.56	167	4802	5.26	ug/L	94
122) 1,2,4-trimethylbenzene	14.55	105	25222	5.11	ug/L	99
123) sec-butylbenzene	14.70	105	32987	5.06	ug/L	99
124) 1,3-dichlorobenzene	14.87	146	13137	4.90	ug/L	96
125) p-isopropyltoluene	14.83	119	25685	4.86	ug/L	99
126) 1,4-dichlorobenzene	14.95	146	14881	5.04	ug/L	96
127) 1,2-dichlorobenzene	15.31	146	13428	5.01	ug/L	97
128) benzyl chloride	15.08	91	12781	5.00	ug/L	97
129) 1,4-Diethylbenzene	15.20	119	15628	5.15	ug/L	96
130) n-butylbenzene	15.23	92	12360	4.89	ug/L	99
131) 1,2,4,5-Tetramethylbenzene	15.90	119	23123	4.91	ug/L	96
132) 1,2-dibromo-3-chloropropan	16.00	75	1122	4.66	ug/L	90
133) 1,3,5-trichlorobenzene	16.17	180	10370	4.64	ug/L	99
134) 1,2,4-trichlorobenzene	16.68	180	7196	3.74	ug/L	98
135) hexachlorobutadiene	16.76	225	5790	5.03	ug/L	96
136) naphthalene	16.92	128	11996	5.47	ug/L	98
137) 1,2,3-trichlorobenzene	17.09	180	6754	3.89	ug/L	95
138) hexachloroethane	15.52	201	4359	5.10	ug/L	98

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

Manual Integration Approval Summary

Page 1 of 1

Sample Number: VY4387-IC4387

Method: SW846 8260B

Lab FileID: Y103251.D

Analyst approved: 09/08/10 16:08 Ho Joong Kim

Injection Time: 09/01/10 09:50

Supervisor approved: 09/08/10 17:34 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetone	67-64-1		4.91	Missed peak
Methyl Acetate	79-20-9		5.43	Poor instrument integration
Tetrahydrofuran	109-99-9		7.92	Poor instrument integration
IsoAmyl Alcohol	123-51-3		10.87	Poor instrument integration

6.6.12.1

6

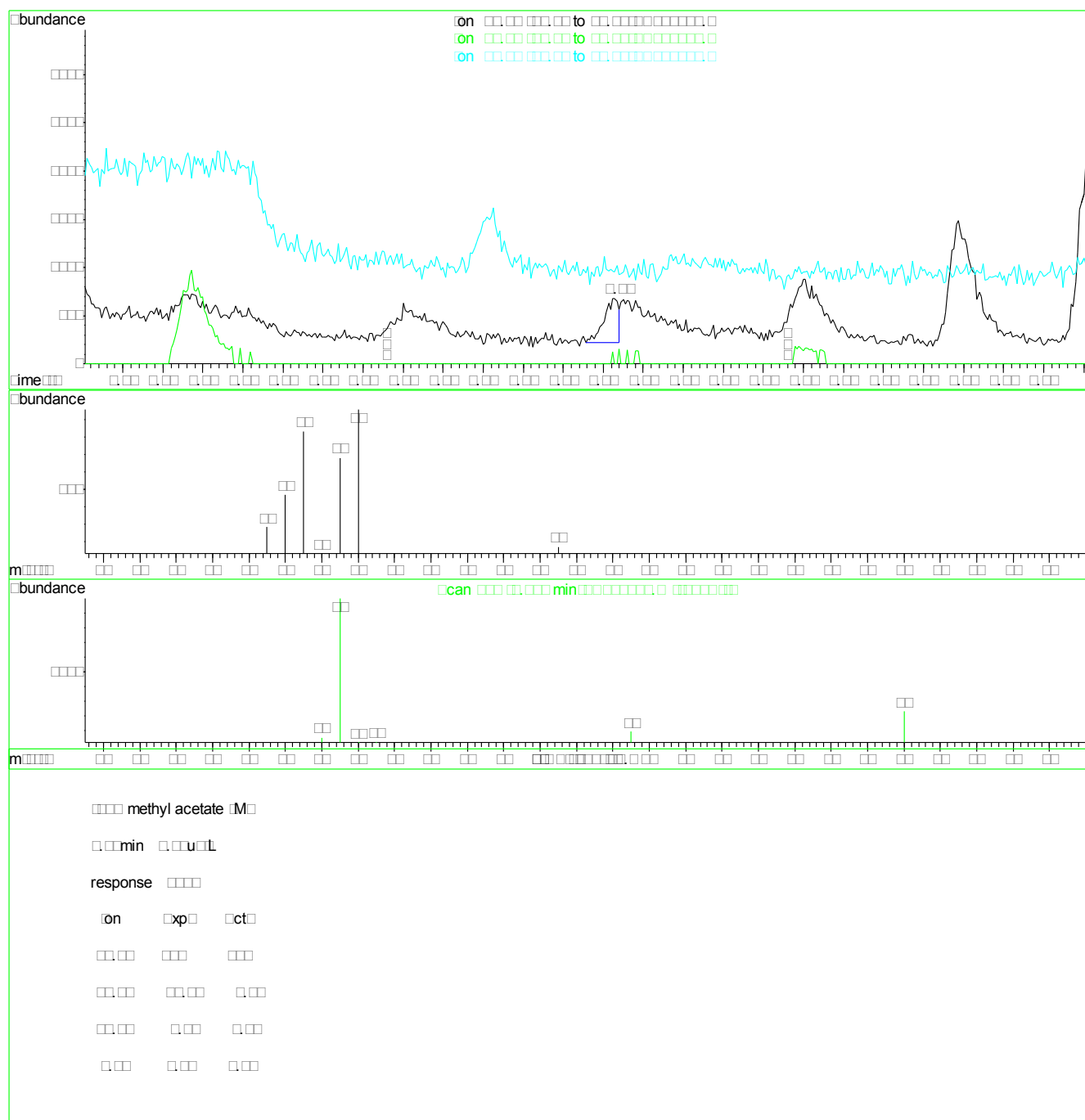
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103251.D Vial: 2
Acq On : 1 Sep 2010 9:50 am Operator: alexm1
Sample : IC4387-5 Inst : MSY
Misc : MS1403,VY4387,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:37 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



Y103251.D MYS4387.M

Thu Sep 02 08:58:13 2010

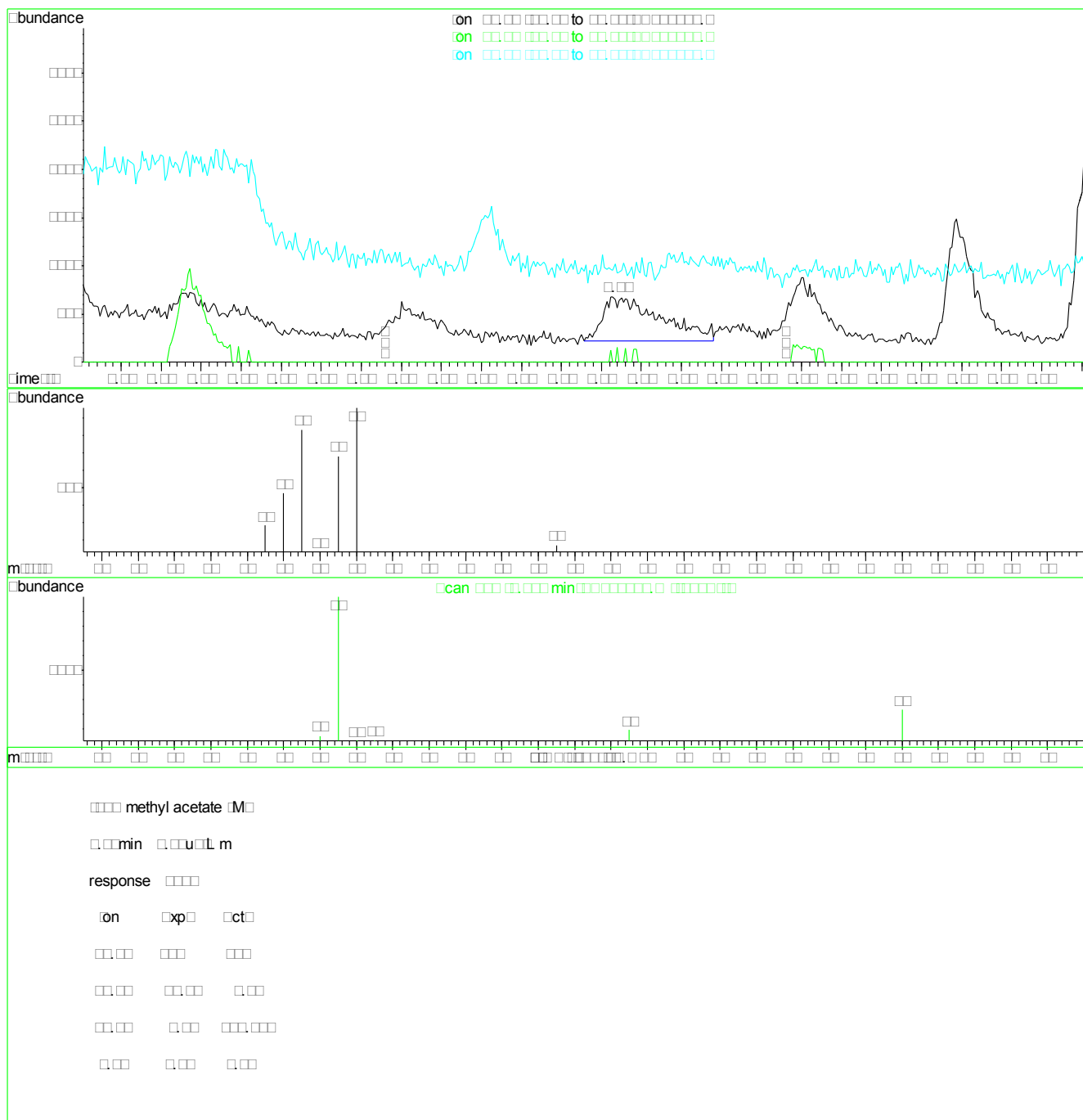
RPT1

Quantitation Report (Qedit)	
Data File : C:\MSDCHEM\1\DATA\Y103251.D	Vial: 2
Acq On : 1 Sep 2010 9:50 am	Operator: alexm1
Sample : IC4387-5	Inst : MSY
Misc : MS1403,VY4387,5,,,,1	Multiplr: 1.00
MS Integration Params: rteint.p	

Quant Time: Sep 01 17:13:37 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



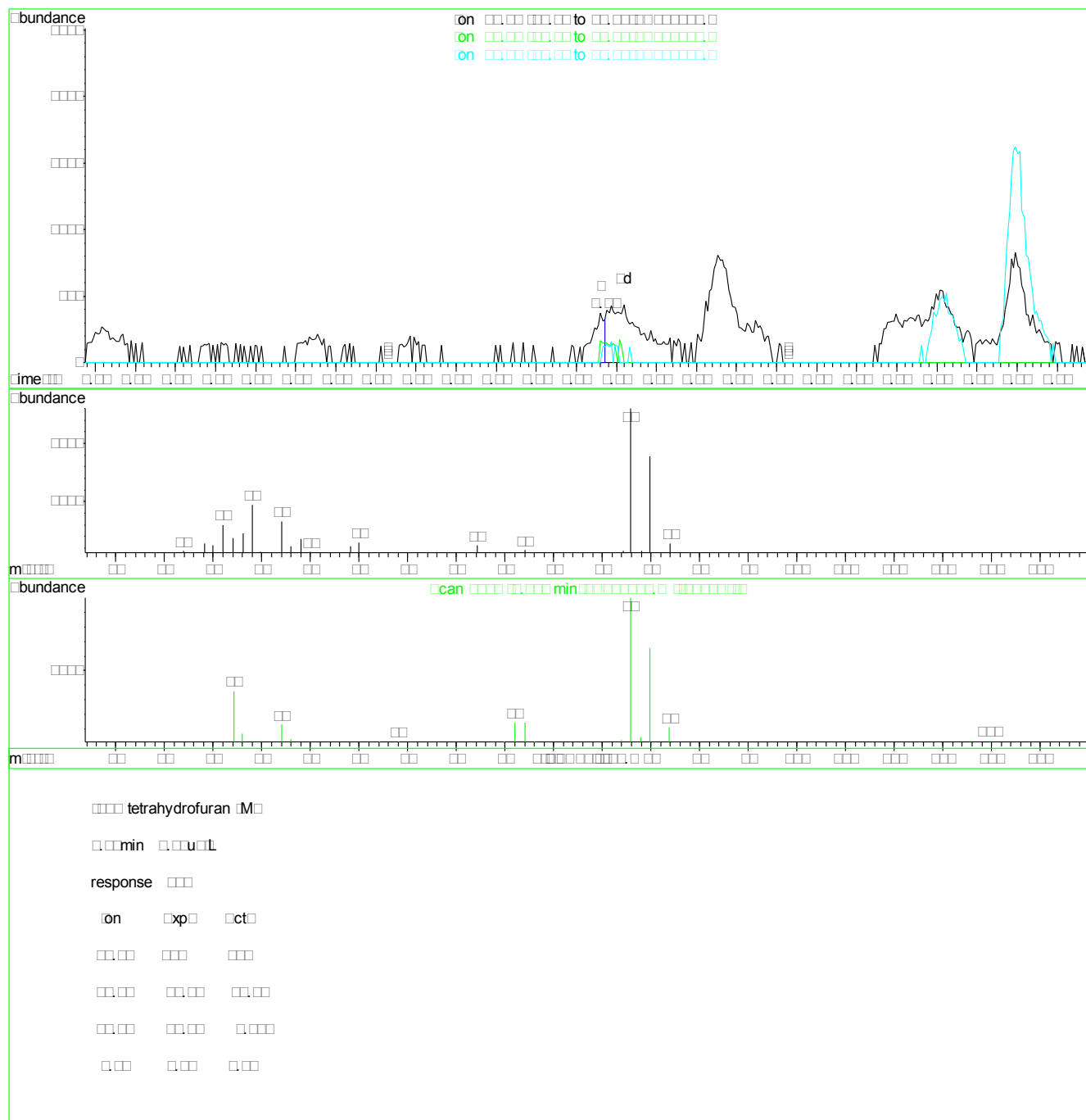
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103251.D Vial: 2
Acq On : 1 Sep 2010 9:50 am Operator: alexm1
Sample : IC4387-5 Inst : MSY
Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:37 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



Y103251.D MYS4387.M

Thu Sep 02 08:58:39 2010

RPT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103251.D

Vial: 2

Acq On : 1 Sep 2010 9:50 am

Operator: alexm1

Sample : IC4387-5

Inst : MSY

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Sample      : MS1403,VY4387,5,,,,,1
Misc       :

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Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:37 2010

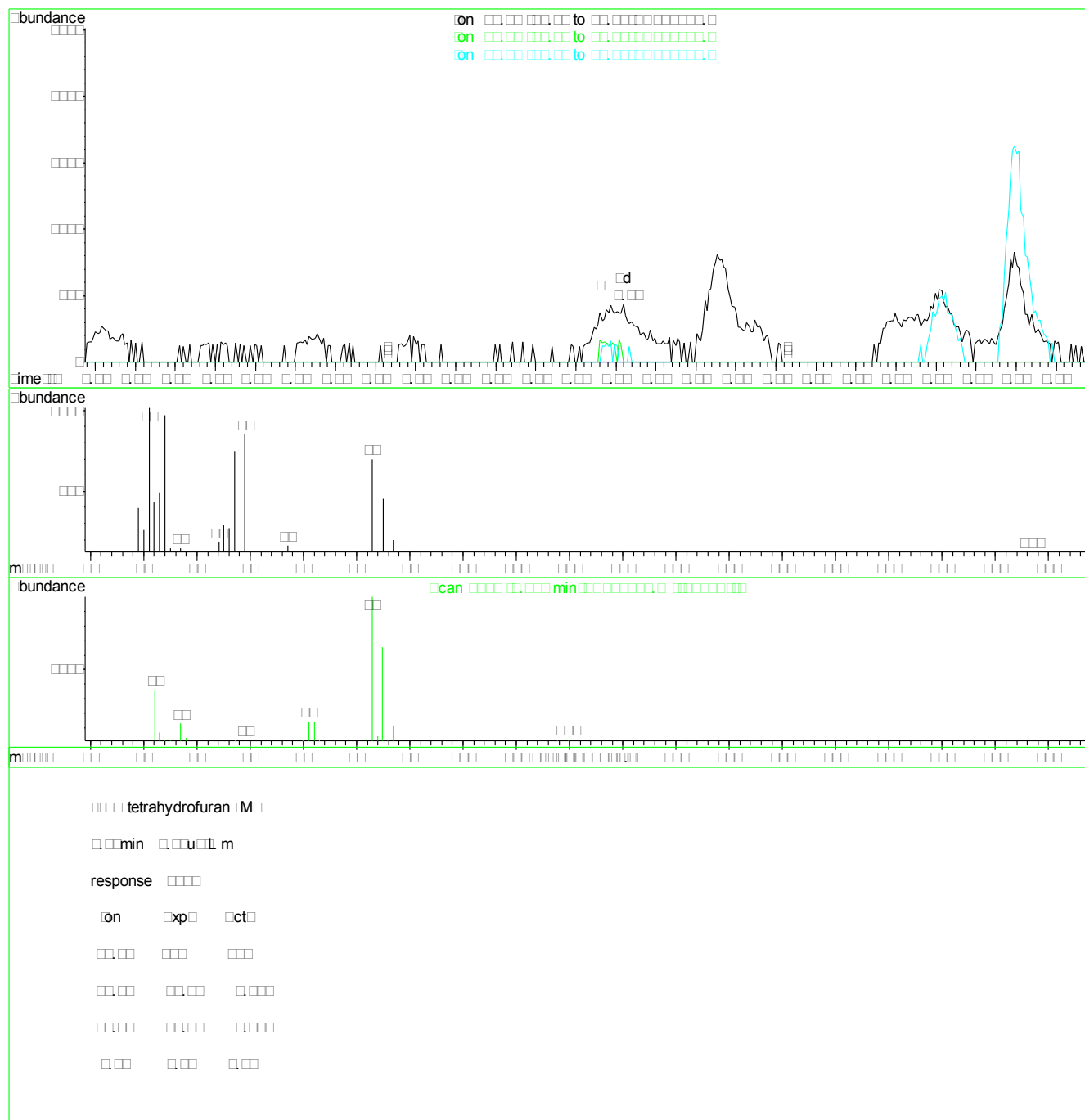
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 μ m

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



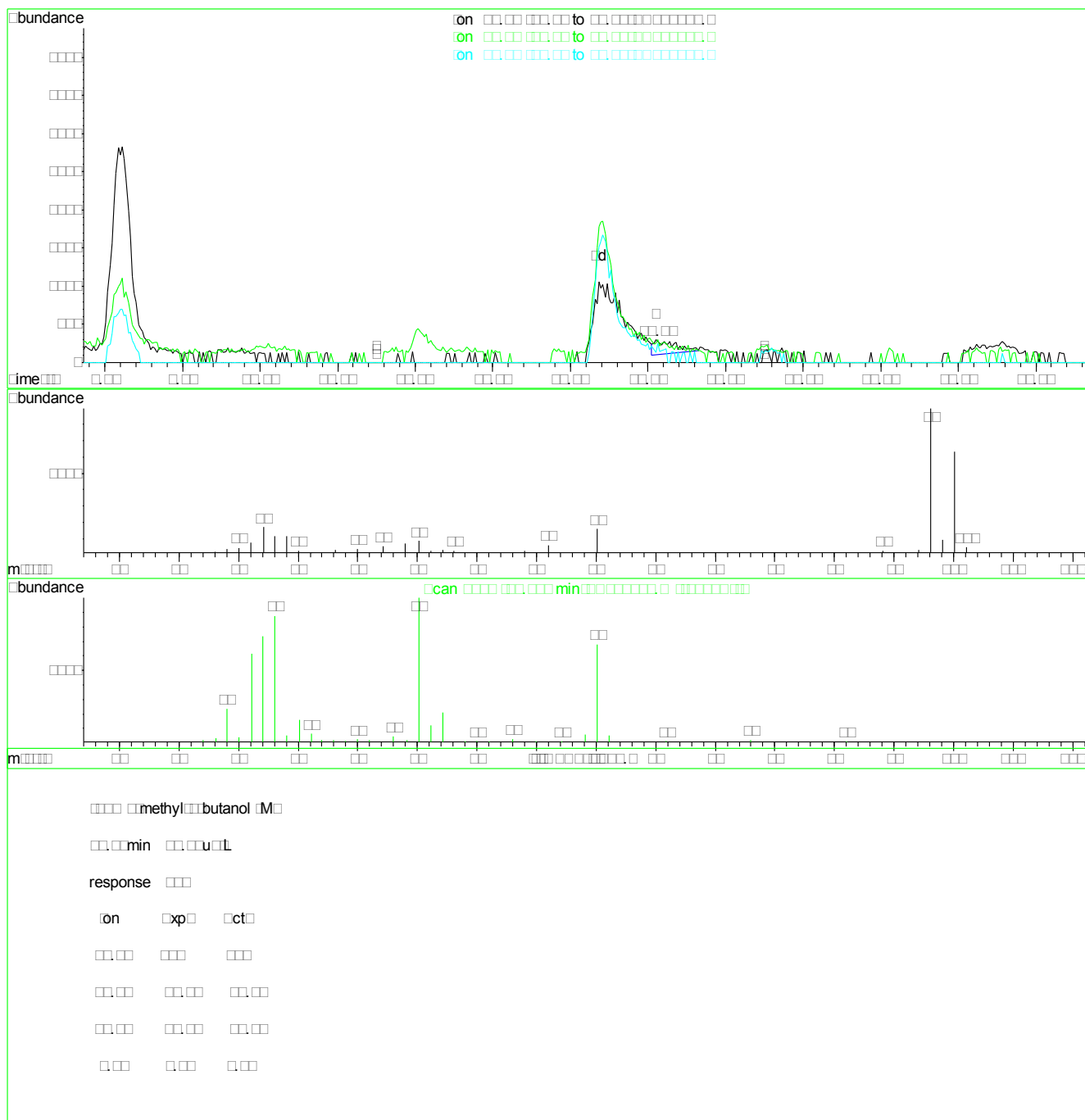
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103251.D Vial: 2
Acq On : 1 Sep 2010 9:50 am Operator: alexm1
Sample : IC4387-5 Inst : MSY
Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:37 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



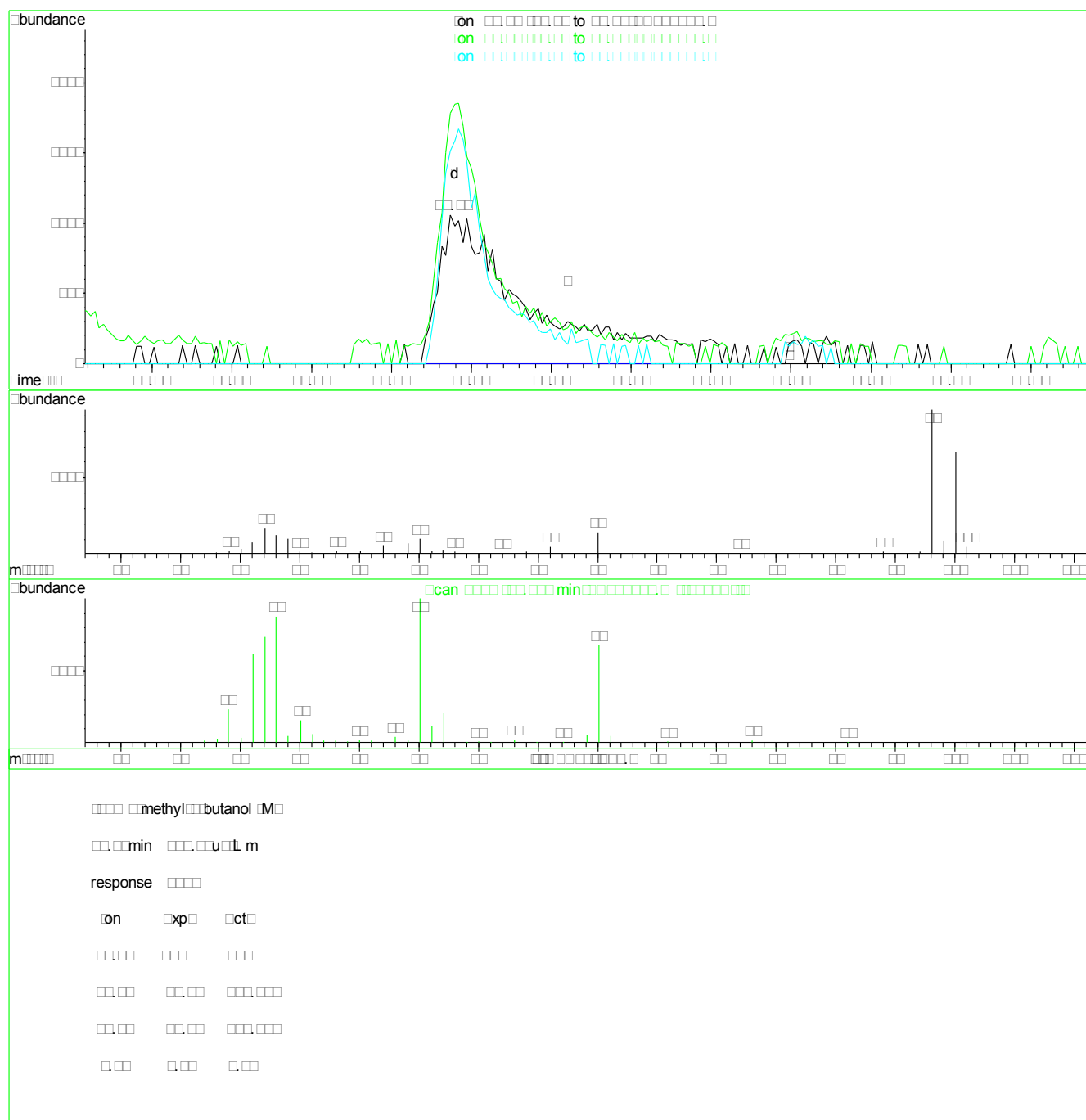
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103251.D Vial: 2
Acq On : 1 Sep 2010 9:50 am Operator: alexm1
Sample : IC4387-5 Inst : MSY
Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:37 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



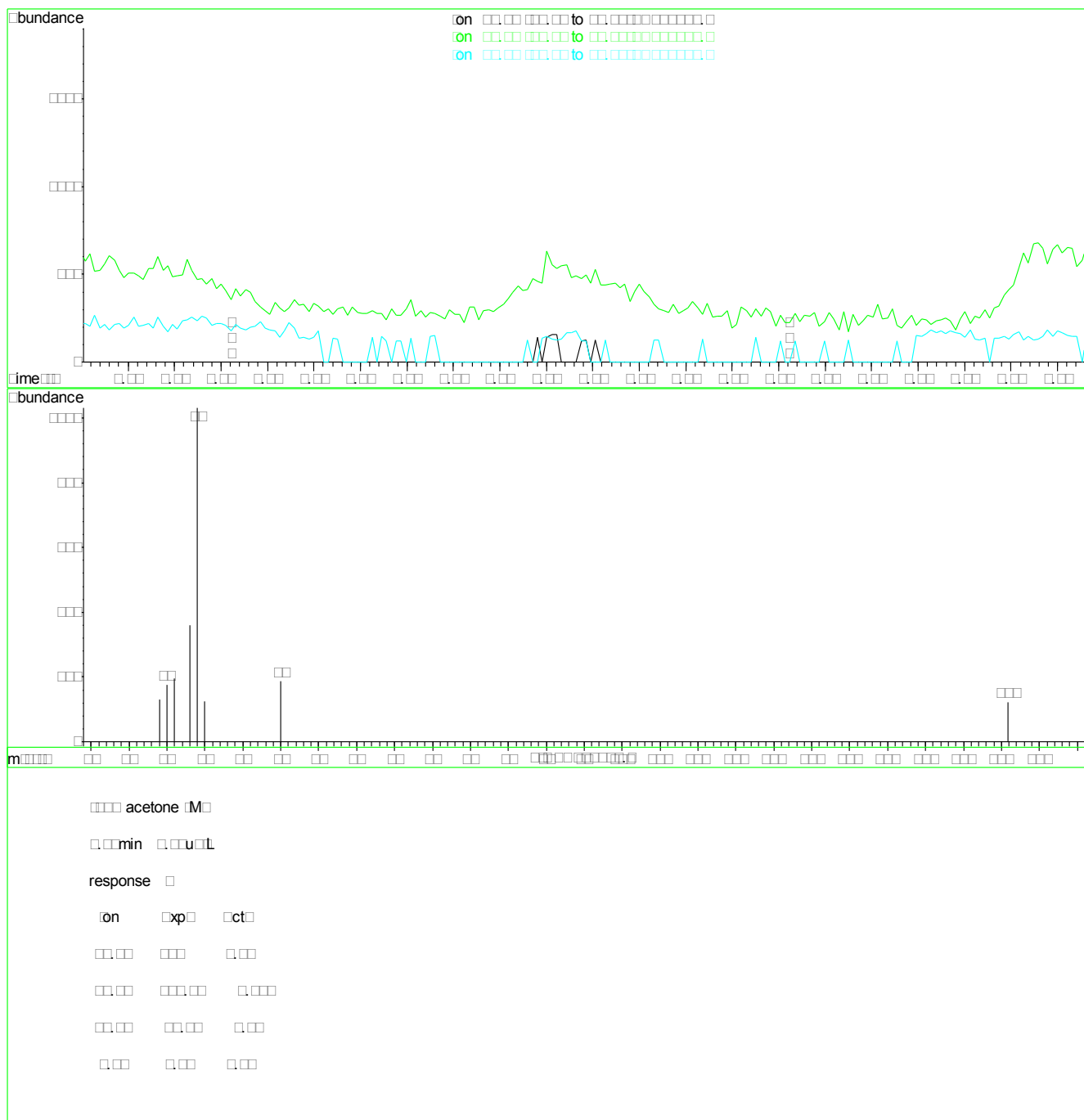
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103251.D Vial: 2
Acq On : 1 Sep 2010 9:50 am Operator: alexm1
Sample : IC4387-5 Inst : MSY
Misc : MS1403,VY4387,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 02 08:59:52 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Wed Sep 08 15:56:07 2010
Response via : Multiple Level Calibration



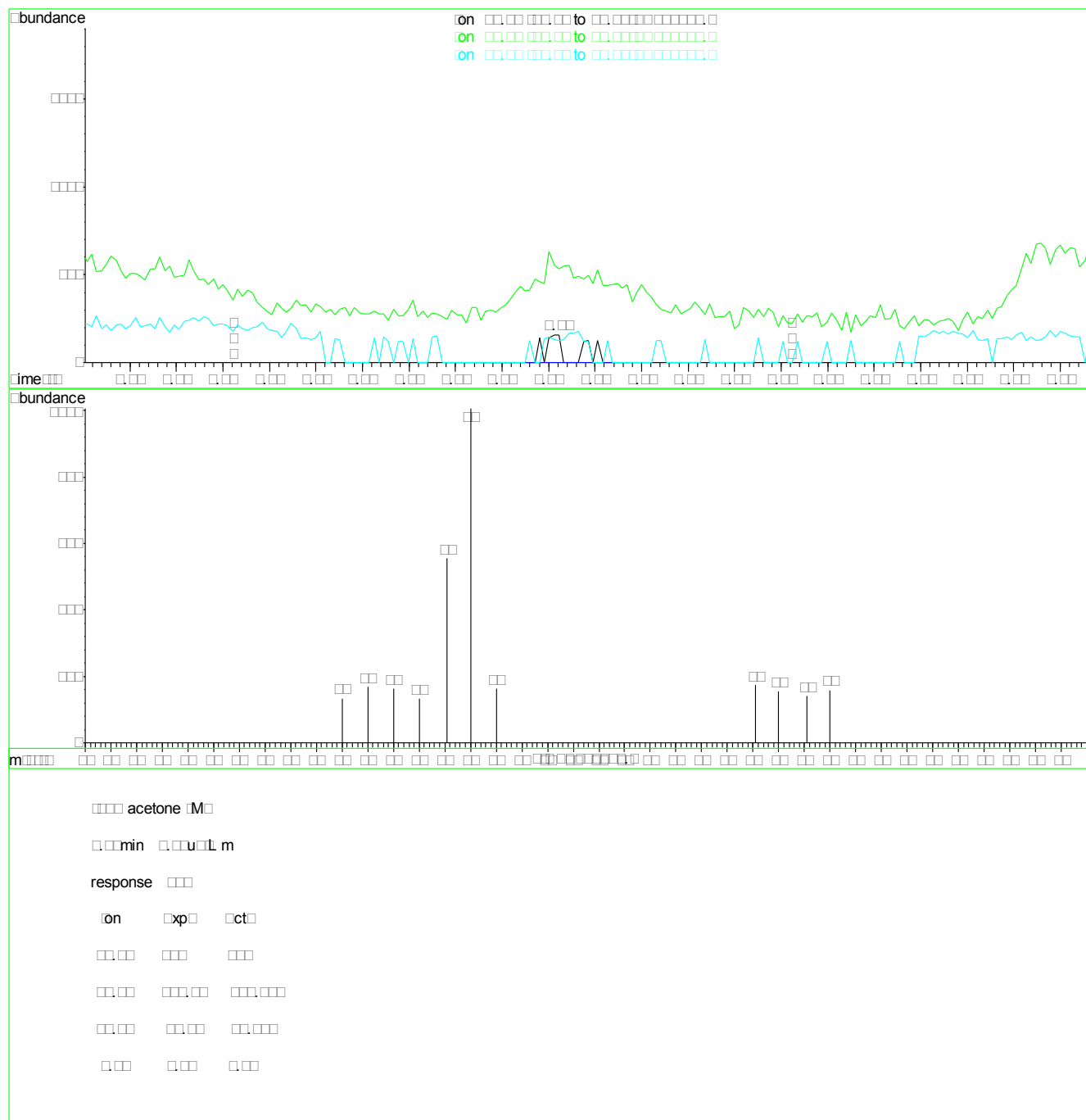
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103251.D Vial: 2
Acq On : 1 Sep 2010 9:50 am Operator: alexm1
Sample : IC4387-5 Inst : MSY
Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 02 08:59:52 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Wed Sep 08 15:56:07 2010
Response via : Multiple Level Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103252.D
 Acq On : 1 Sep 2010 10:23 am
 Operator : alexm1
 Sample : IC4387-2
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 09:04:00 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.58	65	48642	500.00	ug/L	0.00
4) pentafluorobenzene	8.11	168	104333	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	168006	50.00	ug/L	0.00
92) chlorobenzene-d5	12.50	117	154493	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.93	152	72389	50.00	ug/L	0.01

System Monitoring Compounds

53) dibromofluoromethane (s)	8.11	113	3817	3.47	ug/L	0.02
Spiked Amount	50.000	Range	67 - 127	Recovery	=	6.94%#
54) 1,2-dichloroethane-d4 (s)	8.59	65	4057	3.31	ug/L	0.05
Spiked Amount	50.000	Range	65 - 132	Recovery	=	6.62%#
84) toluene-d8 (s)	10.90	98	14876	3.27	ug/L	0.04
Spiked Amount	50.000	Range	74 - 129	Recovery	=	6.54%#
109) 4-bromofluorobenzene (s)	13.79	95	7493	4.48	ug/L	0.03
Spiked Amount	50.000	Range	62 - 138	Recovery	=	8.96%#

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.74	59	1315	7.53	ug/L	84
10) chlorodifluoromethane	2.53	51	2351	1.83	ug/L	74
11) dichlorodifluoromethane	2.53	85	2526	1.61	ug/L	83
12) chloromethane	2.71	50	3795	1.95	ug/L	85
15) vinyl chloride	2.89	62	3039	1.84	ug/L	75
17) bromomethane	3.37	94	2342	2.20	ug/L	79
18) chloroethane	3.54	64	1905	1.95	ug/L	84
20) trichlorofluoromethane	3.94	101	2684	1.58	ug/L	93
21) Pentane	4.00	43	3675	1.73	ug/L #	87
22) ethyl ether	4.36	74	1638	1.97	ug/L #	77
26) acrolein	4.59	56	470225	1936.11	ug/L	96
27) 1,1-dichloroethene	4.74	96	2156	1.97	ug/L #	80
28) acetone	4.87	58	628	1.66	ug/L #	7
31) iodomethane	5.00	142	3689	1.92	ug/L	90
33) carbon disulfide	5.12	76	7575	1.91	ug/L	99
34) methylene chloride	5.52	84	2619	1.98	ug/L	95
36) methyl tert butyl ether	5.90	73	6490	1.96	ug/L	91
37) trans-1,2-dichloroethene	5.94	96	2338	1.93	ug/L	92
38) di-isopropyl ether	6.63	45	9092	2.11	ug/L	92
40) 1,1-dichloroethane	6.55	63	4355	1.97	ug/L	98
44) ethyl tert-butyl ether	7.15	59	6647	1.96	ug/L	98
46) 2,2-dichloropropane	7.40	77	3578	2.04	ug/L	96
47) cis-1,2-dichloroethene	7.45	96	2648	2.01	ug/L	88
49) bromochloromethane	7.78	128	874	1.51	ug/L #	54
51) chloroform	7.87	83	4237	2.06	ug/L	93
52) tert-butyl formate	7.96	59	1507	1.63	ug/L #	83
55) freon 113	4.74	151	1261	1.42	ug/L #	76
57) 1,1,1-trichloroethane	8.11	97	3451	2.02	ug/L #	46
58) Cyclohexane	8.16	84	7035	3.19	ug/L	81
61) n-butyl alcohol	8.25	56	5343	102.61	ug/L	98
62) carbon tetrachloride	8.33	117	3066	2.01	ug/L	97
63) 1,1-dichloropropene	8.35	75	3146	1.90	ug/L	84
66) benzene	8.63	78	10585	2.05	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103252.D
 Acq On : 1 Sep 2010 10:23 am
 Operator : alexm1
 Sample : IC4387-2
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 09:04:00 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 2,2,4-trimethylpentane	8.66	57	9431	1.93	ug/L #	52
68) tert-amyl methyl ether	8.71	73	6332	1.92	ug/L	88
69) heptane	8.91	57	2151	1.84	ug/L #	79
71) 1,2-dichloroethane	8.69	62	2367	1.77	ug/L	89
73) trichloroethene	9.46	95	2366	1.97	ug/L	88
77) ethyl acrylate	9.66	55	3807	2.18	ug/L #	85
78) methyl methacrylate	9.63	69	849	1.01	ug/L #	79
79) 1,2-dichloropropane	9.72	63	2390	1.82	ug/L	93
80) dibromomethane	9.91	93	970	1.47	ug/L #	82
81) methylcyclohexane	9.64	83	3968	1.81	ug/L	98
82) bromodichloromethane	10.07	83	2948	1.89	ug/L	90
83) cis-1,3-dichloropropene	10.59	75	3896	1.85	ug/L	90
86) toluene	10.97	92	6371	2.01	ug/L	99
88) trans-1,3-dichloropropene	11.27	75	3252	1.81	ug/L	84
90) 1,1,2-trichloroethane	11.45	83	1702	1.96	ug/L	86
93) tetrachloroethene	11.59	164	1865	1.77	ug/L	97
94) 1,3-dichloropropane	11.63	76	3352	1.80	ug/L	95
95) butyl acetate	11.91	56	2206	4.52	ug/L #	17
97) dibromochloromethane	11.90	129	2119	1.82	ug/L	98
98) 1,2-dibromoethane	12.06	107	1691	1.69	ug/L	83
99) chlorobenzene	12.53	112	6716	1.87	ug/L	94
101) 1,1,1,2-tetrachloroethane	12.62	131	2299	1.87	ug/L	95
102) ethylbenzene	12.64	91	11333	1.88	ug/L	99
103) m,p-xylene	12.77	106	9400	3.93	ug/L	92
104) o-xylene	13.20	106	4579	1.93	ug/L	99
105) styrene	13.25	104	7274	1.85	ug/L	91
106) bromoform	13.46	173	1332	1.62	ug/L	89
108) isopropylbenzene	13.56	105	12200	2.04	ug/L	96
110) cyclohexanone	13.72	55	5810	24.81	ug/L	99
111) bromobenzene	13.97	156	2634	1.85	ug/L	97
112) 1,1,2,2-tetrachloroethane	13.90	83	2782	1.95	ug/L	95
114) 1,2,3-trichloropropane	13.96	110	611	1.68	ug/L #	32
115) n-propylbenzene	14.01	91	13523	1.99	ug/L	99
116) 4-Ethyltoluene	14.12	105	10411	1.99	ug/L	89
117) 2-chlorotoluene	14.14	126	2683	1.95	ug/L	96
118) 4-chlorotoluene	14.26	91	9096	2.15	ug/L	99
119) 1,3,5-trimethylbenzene	14.17	105	11321	2.19	ug/L	94
120) tert-butylbenzene	14.50	119	8280	1.94	ug/L	96
121) pentachloroethane	14.56	167	1744	1.92	ug/L	88
122) 1,2,4-trimethylbenzene	14.56	105	9881	2.02	ug/L	97
123) sec-butylbenzene	14.71	105	12883	1.99	ug/L	99
124) 1,3-dichlorobenzene	14.88	146	5187	1.95	ug/L	97
125) p-isopropyltoluene	14.84	119	10023	1.91	ug/L	98
126) 1,4-dichlorobenzene	14.95	146	5992	2.05	ug/L	93
127) 1,2-dichlorobenzene	15.33	146	5151	1.94	ug/L	97
128) benzyl chloride	15.10	91	4327	1.70	ug/L #	90
129) 1,4-Diethylbenzene	15.21	119	5556	1.84	ug/L	96
130) n-butylbenzene	15.26	92	4285	1.71	ug/L	87
131) 1,2,4,5-Tetramethylbenzene	15.91	119	8486	1.82	ug/L	96
133) 1,3,5-trichlorobenzene	16.18	180	4079	1.84	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y103252.D
Acq On : 1 Sep 2010 10:23 am
Operator : alexm1
Sample : IC4387-2
Misc : MS1403,VY4387,5,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 09:04:00 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 01 17:12:43 2010
Response via : Initial Calibration

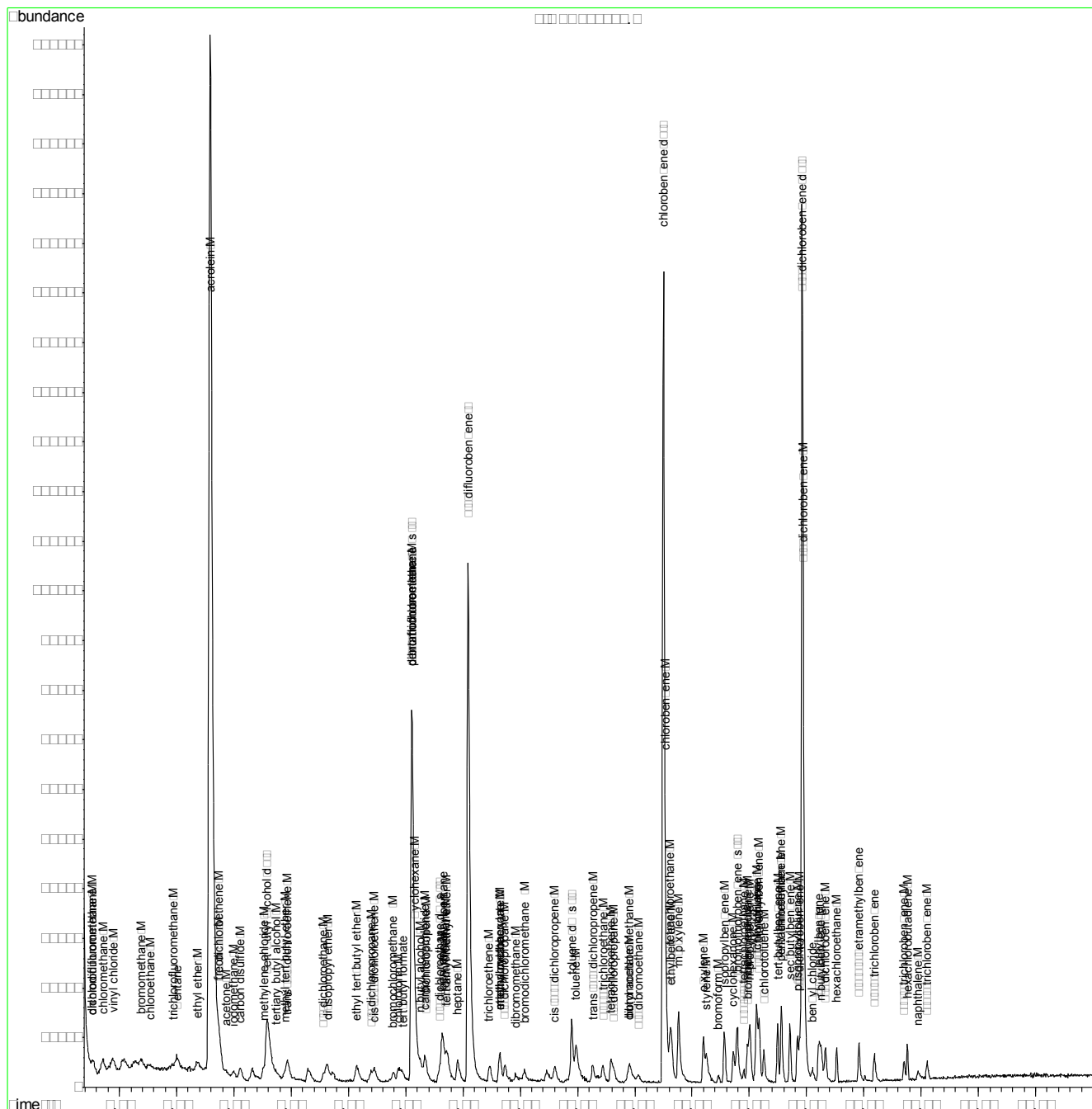
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
134) 1,2,4-trichlorobenzene	16.70	180	2681	1.40	ug/L	99
135) hexachlorobutadiene	16.76	225	2153	1.88	ug/L	94
136) naphthalene	16.94	128	5109	3.78	ug/L	97
137) 1,2,3-trichlorobenzene	17.10	180	2473	1.43	ug/L	93
138) hexachloroethane	15.52	201	1619	1.91	ug/L	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103252.D
 Acq On : 1 Sep 2010 10:23 am
 Operator : alexm1
 Sample : IC4387-2
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 02 09:04:00 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103253.D
 Acq On : 1 Sep 2010 10:52 am
 Operator : alexm1
 Sample : IC4387-1
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 02 09:08:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.60	65	51684	500.00	ug/L	0.02
4) pentafluorobenzene	8.11	168	107294	50.00	ug/L	0.01
59) 1,4-difluorobenzene	9.10	114	169216	50.00	ug/L	0.01
92) chlorobenzene-d5	12.50	117	152933	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.93	152	72494	50.00	ug/L	0.01

System Monitoring Compounds

53) dibromofluoromethane (s)	8.12	113	2459	2.17	ug/L	0.03
Spiked Amount 50.000	Range 67 - 127		Recovery =	4.34%#		
54) 1,2-dichloroethane-d4 (s)	8.60	65	2517	2.00	ug/L	0.06
Spiked Amount 50.000	Range 65 - 132		Recovery =	4.00%#		
84) toluene-d8 (s)	10.91	98	9667	2.11	ug/L	0.05
Spiked Amount 50.000	Range 74 - 129		Recovery =	4.22%#		
109) 4-bromofluorobenzene (s)	13.80	95	5729	3.42	ug/L	0.04
Spiked Amount 50.000	Range 62 - 138		Recovery =	6.84%#		

Target Compounds

						Qvalue
10) chlorodifluoromethane	2.54	51	1074	0.81	ug/L	61
11) dichlorodifluoromethane	2.53	85	990	0.61	ug/L #	50
12) chloromethane	2.71	50	1840	0.92	ug/L	89
15) vinyl chloride	2.89	62	1444	0.85	ug/L	68
17) bromomethane	3.38	94	942	0.86	ug/L	90
18) chloroethane	3.55	64	728	0.72	ug/L #	46
20) trichlorofluoromethane	3.93	101	1101	0.63	ug/L	82
22) ethyl ether	4.37	74	767	0.90	ug/L #	60
26) acrolein	4.59	56	249207	997.77	ug/L	96
27) 1,1-dichloroethene	4.75	96	1066	0.95	ug/L #	70
31) iodomethane	5.01	142	1767	0.89	ug/L	86
33) carbon disulfide	5.12	76	4069	1.00	ug/L	67
34) methylene chloride	5.53	84	1395	1.03	ug/L #	70
36) methyl tert butyl ether	5.92	73	3077m	0.90	ug/L	
37) trans-1,2-dichloroethene	5.95	96	1128	0.91	ug/L	89
40) 1,1-dichloroethane	6.58	63	2032	0.89	ug/L	90
44) ethyl tert-butyl ether	7.17	59	2446	0.70	ug/L	92
46) 2,2-dichloropropane	7.40	77	1644	0.91	ug/L	67
47) cis-1,2-dichloroethene	7.46	96	1158	0.86	ug/L #	73
51) chloroform	7.88	83	2147	1.01	ug/L	97
57) 1,1,1-trichloroethane	8.11	97	1593	0.91	ug/L #	1
58) Cyclohexane	8.12	84	5202	2.30	ug/L #	35
62) carbon tetrachloride	8.33	117	1724	1.12	ug/L	80
63) 1,1-dichloropropene	8.36	75	1617	0.97	ug/L	88
66) benzene	8.65	78	5088	0.98	ug/L	92
67) 2,2,4-trimethylpentane	8.67	57	3510	0.71	ug/L #	40
68) tert-amyl methyl ether	8.74	73	2400	0.72	ug/L	77
69) heptane	8.92	57	613	0.52	ug/L	80
71) 1,2-dichloroethane	8.70	62	1013m	0.75	ug/L	
73) trichloroethene	9.47	95	1079	0.89	ug/L	88
79) 1,2-dichloropropane	9.75	63	1152	0.87	ug/L #	49
81) methylcyclohexane	9.66	83	1349	0.61	ug/L	86
82) bromodichloromethane	10.08	83	1434	0.91	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103253.D
 Acq On : 1 Sep 2010 10:52 am
 Operator : alexm1
 Sample : IC4387-1
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 02 09:08:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

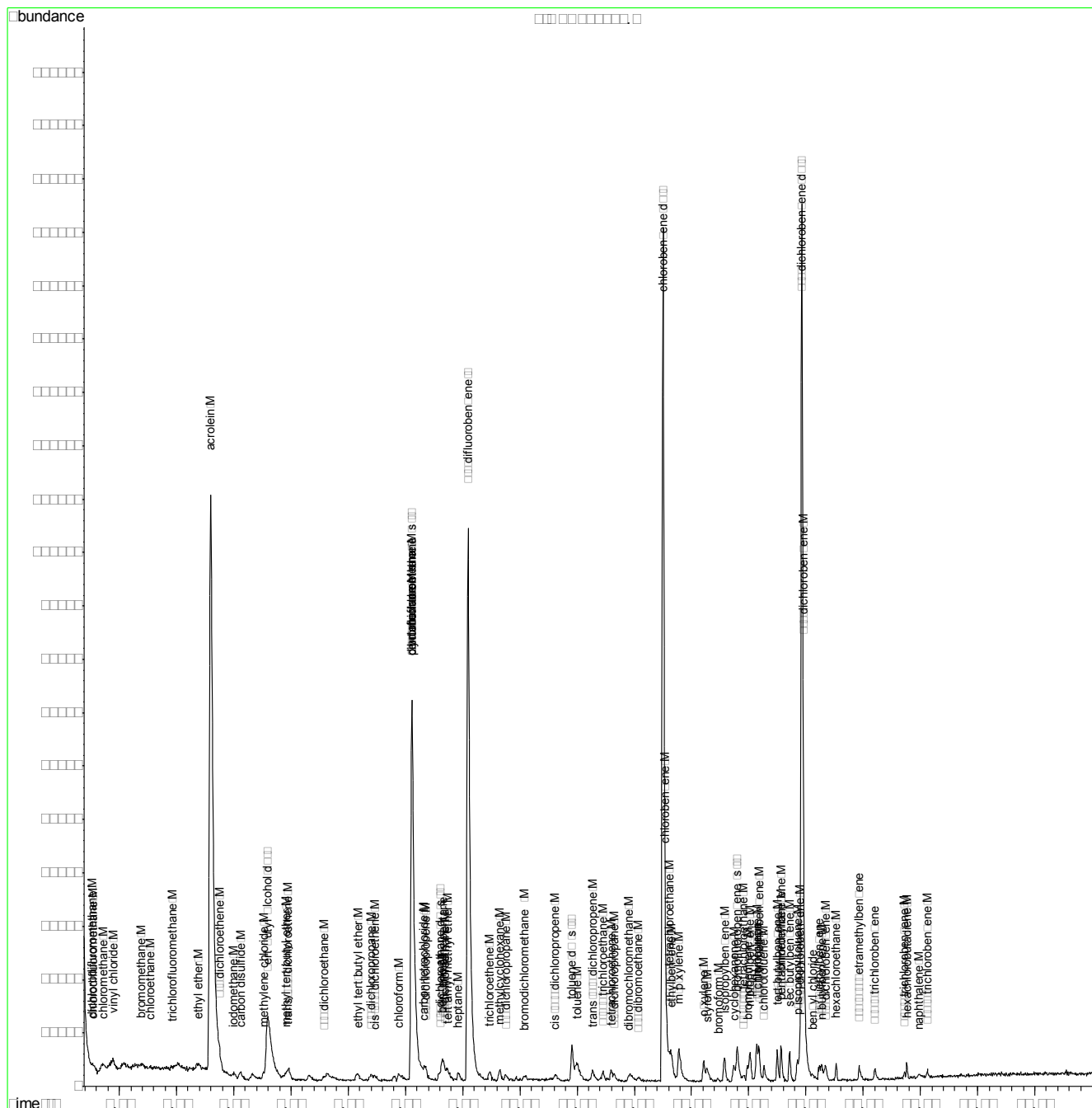
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) cis-1,3-dichloropropene	10.61	75	1681	0.79	ug/L	86
86) toluene	11.00	92	2915	0.92	ug/L	91
88) trans-1,3-dichloropropene	11.28	75	1350	0.75	ug/L	91
90) 1,1,2-trichloroethane	11.45	83	670	0.77	ug/L	84
93) tetrachloroethene	11.59	164	862	0.83	ug/L	89
94) 1,3-dichloropropane	11.65	76	1589	0.86	ug/L	91
97) dibromochloromethane	11.90	129	952	0.82	ug/L	88
98) 1,2-dibromoethane	12.07	107	747	0.75	ug/L	91
99) chlorobenzene	12.54	112	3518	0.99	ug/L	91
101) 1,1,1,2-tetrachloroethane	12.62	131	1170	0.96	ug/L	91
102) ethylbenzene	12.65	91	6239	1.04	ug/L	92
103) m,p-xylene	12.78	106	4735	2.00	ug/L	96
104) o-xylene	13.22	106	2143	0.91	ug/L	90
105) styrene	13.27	104	3368	0.86	ug/L	95
106) bromoform	13.46	173	569	0.70	ug/L #	36
108) isopropylbenzene	13.58	105	6171	1.03	ug/L	96
110) cyclohexanone	13.73	55	2895	12.34	ug/L	95
111) bromobenzene	13.98	156	1320	0.93	ug/L	84
112) 1,1,2,2-tetrachloroethane	13.91	83	1367	0.96	ug/L	81
115) n-propylbenzene	14.02	91	6953	1.02	ug/L	91
116) 4-Ethyltoluene	14.14	105	4033	0.77	ug/L #	57
117) 2-chlorotoluene	14.14	126	1386	1.01	ug/L	90
118) 4-chlorotoluene	14.27	91	4777	1.13	ug/L	93
119) 1,3,5-trimethylbenzene	14.18	105	6255m	1.21	ug/L	
120) tert-butylbenzene	14.50	119	4471	1.05	ug/L	93
121) pentachloroethane	14.56	167	865	0.95	ug/L	91
122) 1,2,4-trimethylbenzene	14.57	105	5029	1.03	ug/L	95
123) sec-butylbenzene	14.71	105	6696	1.03	ug/L	99
124) 1,3-dichlorobenzene	14.89	146	2515	0.94	ug/L	97
125) p-isopropyltoluene	14.85	119	5223	0.99	ug/L	93
126) 1,4-dichlorobenzene	14.95	146	3208	1.09	ug/L	93
127) 1,2-dichlorobenzene	15.34	146	2497	0.94	ug/L	98
128) benzyl chloride	15.11	91	1939	0.76	ug/L #	55
129) 1,4-Diethylbenzene	15.23	119	2266	0.75	ug/L #	73
130) n-butylbenzene	15.28	92	2089	0.83	ug/L #	78
131) 1,2,4,5-Tetramethylbenzene	15.94	119	3605	0.77	ug/L #	88
133) 1,3,5-trichlorobenzene	16.20	180	1829	0.82	ug/L #	75
134) 1,2,4-trichlorobenzene	16.73	180	1148	0.60	ug/L	75
135) hexachlorobutadiene	16.76	225	993	0.87	ug/L	99
136) naphthalene	16.97	128	1929	2.99	ug/L	69
137) 1,2,3-trichlorobenzene	17.11	180	972	0.56	ug/L	94
138) hexachloroethane	15.52	201	710	0.84	ug/L	89

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y103253.D
Acq On : 1 Sep 2010 10:52 am
Operator : alexm1
Sample : IC4387-1
Misc : MS1403,VY4387,5,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 02 09:08:03 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 01 17:12:43 2010
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VY4387-IC4387

Method: SW846 8260B

Lab FileID: Y103253.D

Analyst approved: 09/02/10 09:51 Ho Joong Kim

Injection Time: 09/01/10 10:52

Supervisor approved: 09/08/10 17:34 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Tert Butyl Ether	1634-04-4		5.92	Poor instrument integration
1,2-Dichloroethane	107-06-2		8.70	Poor instrument integration
1,3,5-Trimethylbenzene	108-67-8		14.18	Split peak

6.6.14.1
6

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103253.D

Vial: 4

Acq On : 1 Sep 2010 10:52 am

Operator: alexm1

Sample : IC4387-1

Inst : MSY

Misc : MS1403,VY4387,5,,,,,1

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:41 2010

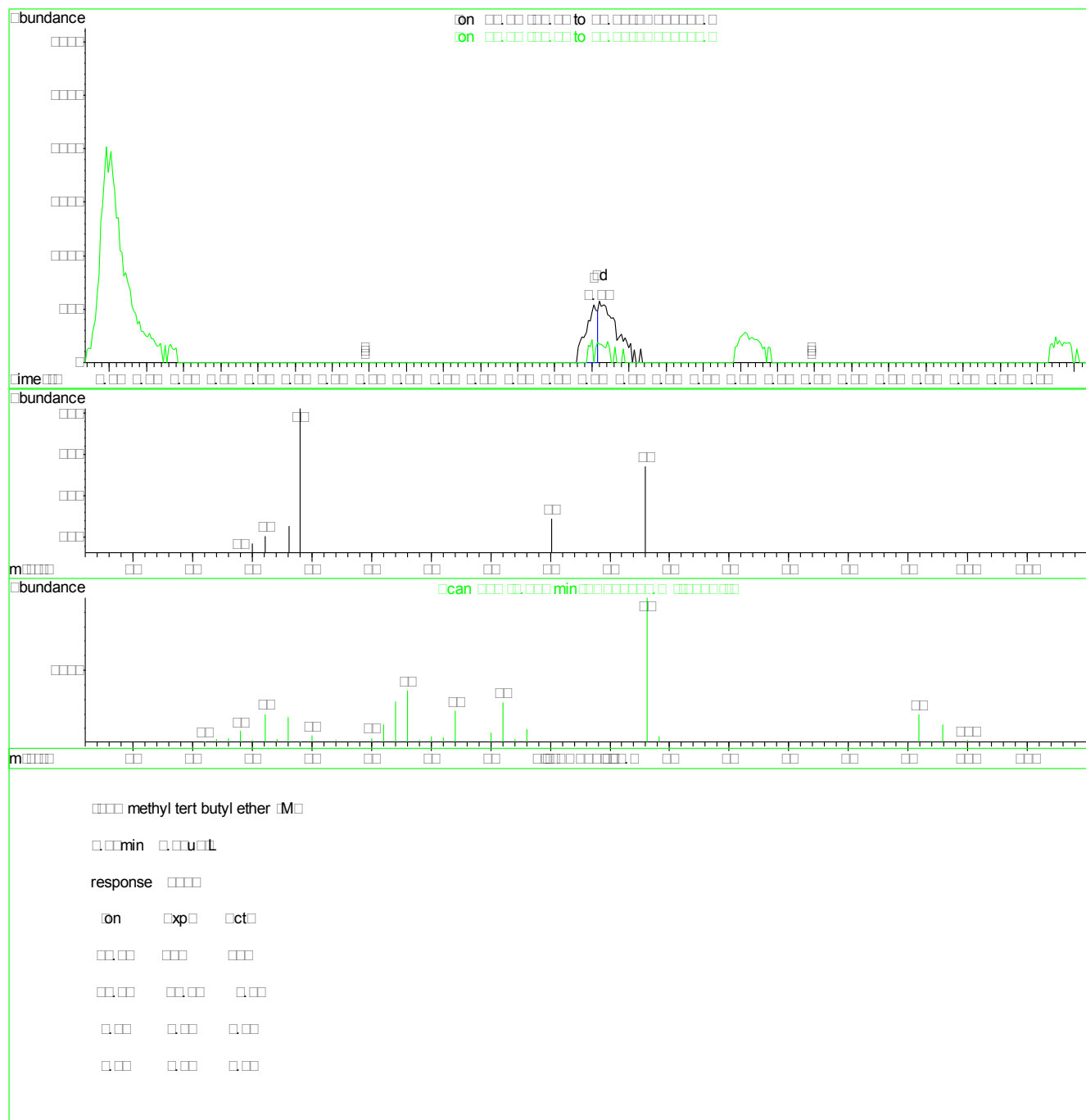
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



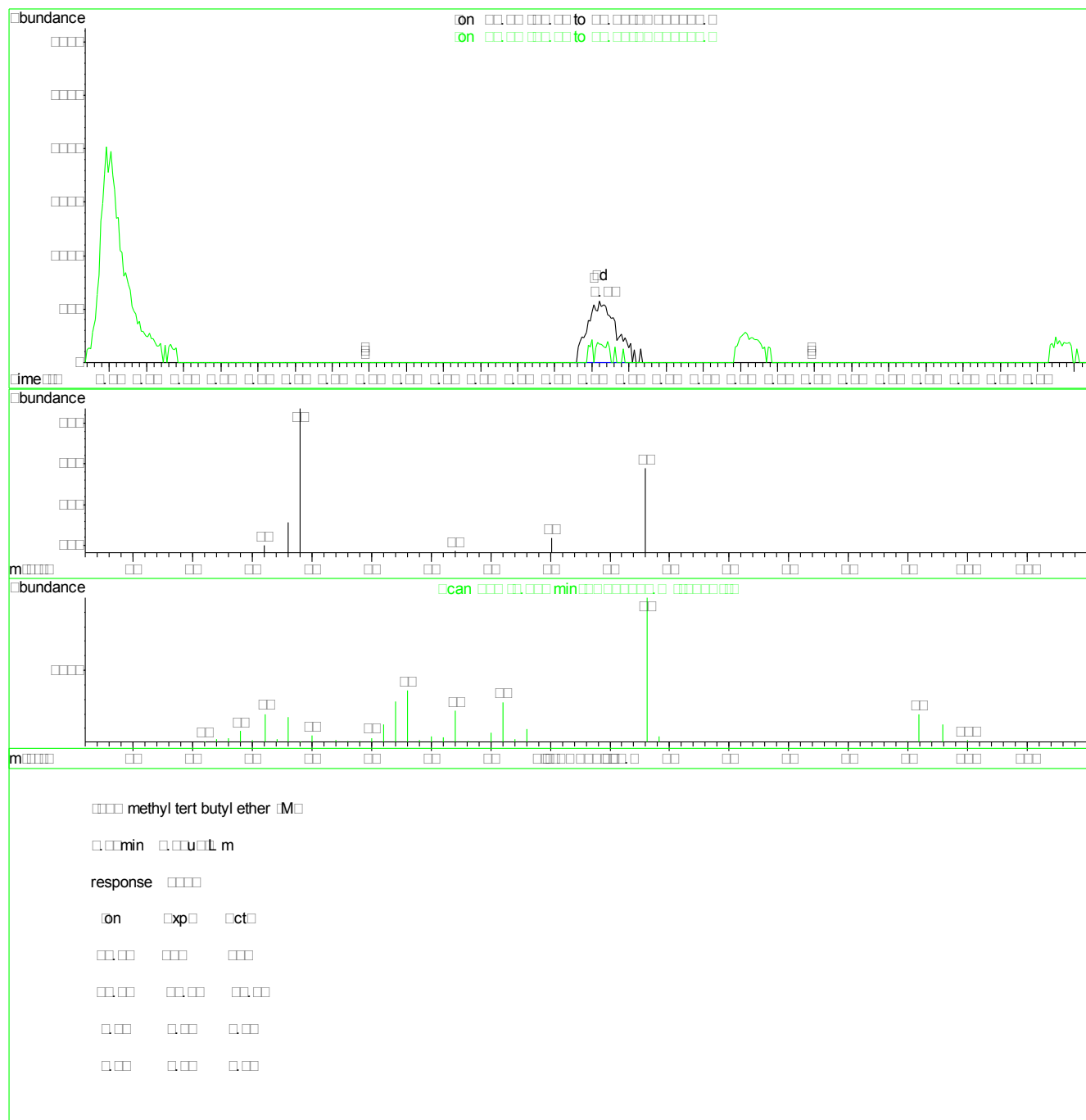
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103253.D Vial: 4
Acq On : 1 Sep 2010 10:52 am Operator: alexm1
Sample : IC4387-1 Inst : MSY
Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:41 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103253.D

Vial: 4

Acq On : 1 Sep 2010 10:52 am

Operator: alexm1

Sample : IC4387-1

Inst : MSY

Misc : MS1403,VY4387,5,,,,,1

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:41 2010

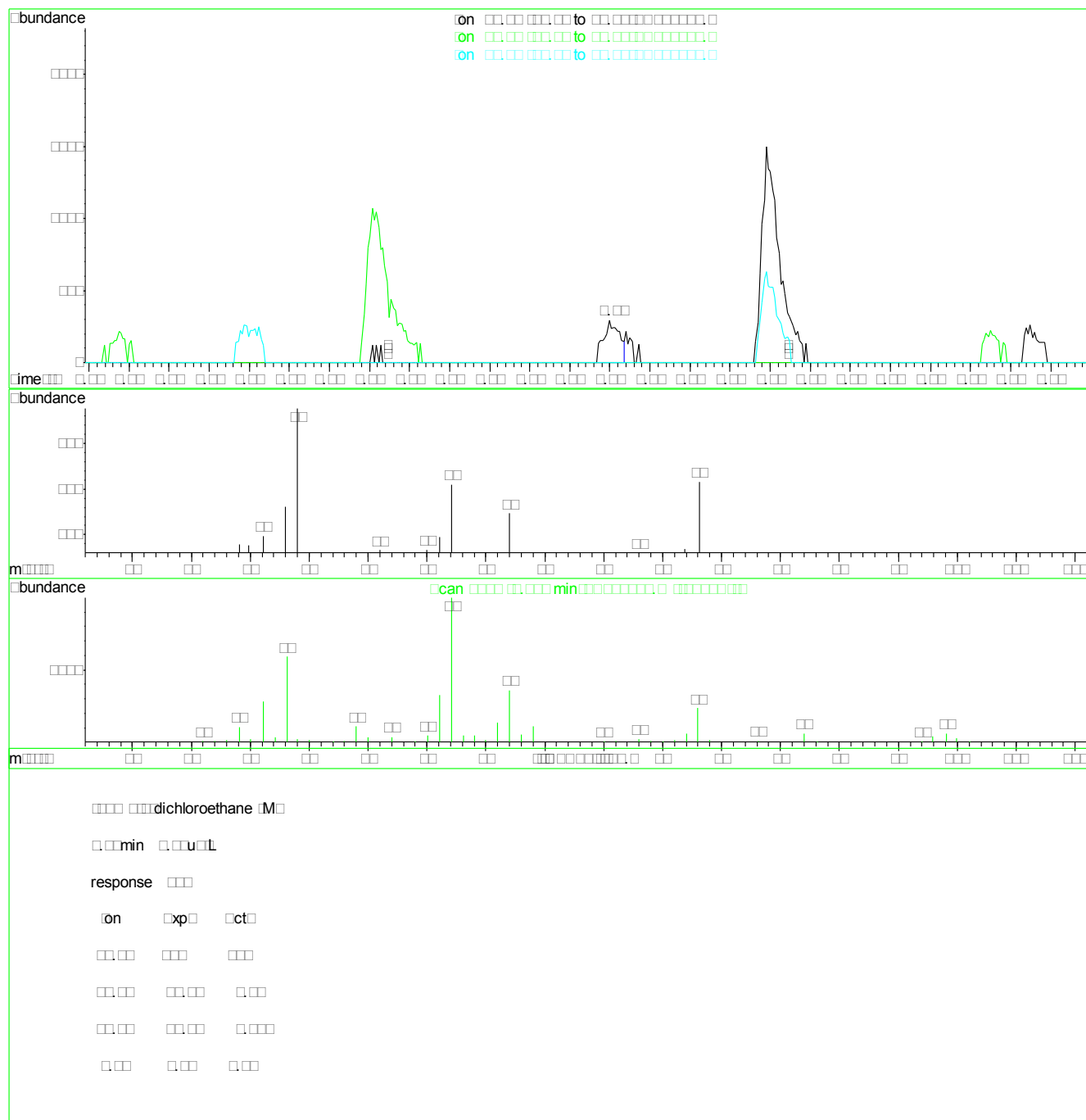
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



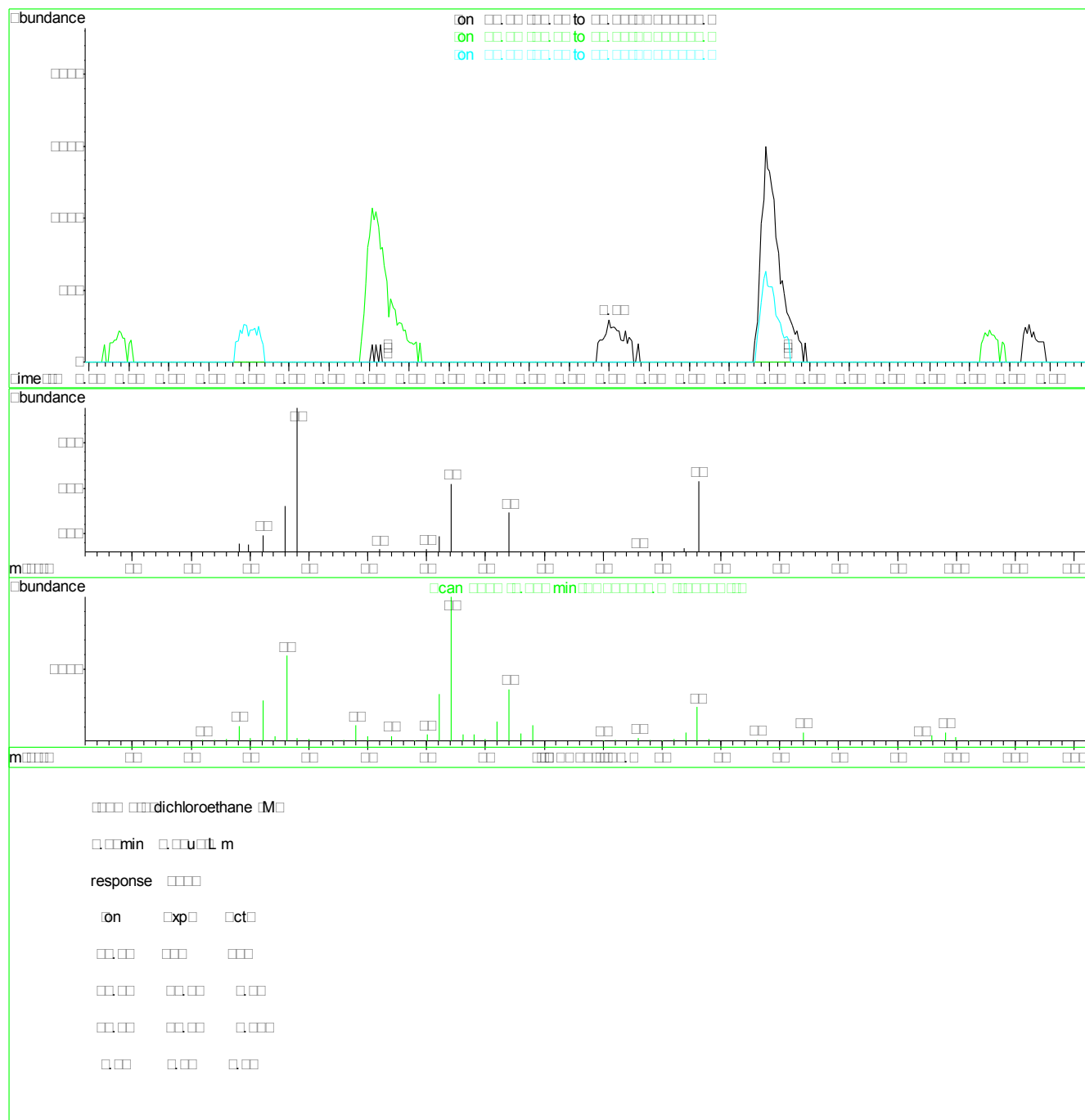
Quantitation Report (Qedit)

Data File	: C:\MSDCHEM\1\DATA\Y103253.D	Vial:	4
Acq On	: 1 Sep 2010 10:52 am	Operator:	alexm1
Sample	: IC4387-1	Inst	: MSY
Misc	: MS1403,VY4387,5,,,,1	Multiplr	: 1.00
MS Integration Params: rteint.p			

Quant Time: Sep 01 17:13:41 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103253.D

Vial: 4

Acq On : 1 Sep 2010 10:52 am

Operator: alexm1

Sample : IC4387-1

Inst : MSY

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Sample      : 191331_1
Misc        : MS1403,VY4387,5,,,,,1

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Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:41 2010

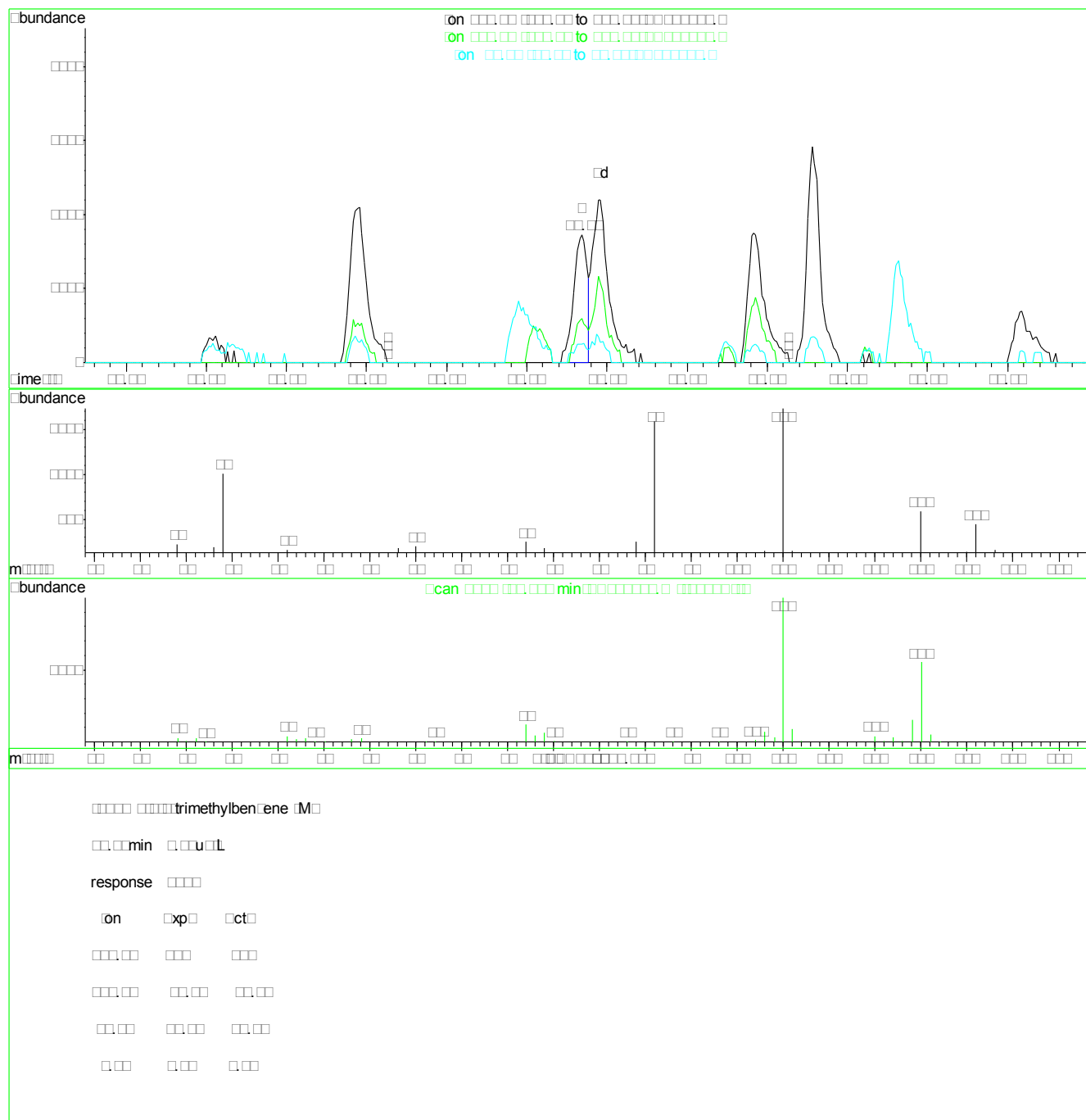
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 μ m

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103254.D
 Acq On : 1 Sep 2010 11:23 am
 Operator : alexm1
 Sample : IC4387-0.5
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 02 09:10:26 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.60	65	49519	500.00	ug/L	0.03
4) pentafluorobenzene	8.11	168	109458	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	172549	50.00	ug/L	0.00
92) chlorobenzene-d5	12.50	117	152669	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.93	152	69786	50.00	ug/L	0.01

System Monitoring Compounds

53) dibromofluoromethane (s)	8.12	113	2038	1.76	ug/L	0.04
Spiked Amount	50.000	Range	67 - 127	Recovery	=	3.52%#
54) 1,2-dichloroethane-d4 (s)	8.60	65	1819	1.42	ug/L	0.06
Spiked Amount	50.000	Range	65 - 132	Recovery	=	2.84%#
84) toluene-d8 (s)	10.92	98	8342	1.79	ug/L	0.06
Spiked Amount	50.000	Range	74 - 129	Recovery	=	3.58%#
109) 4-bromofluorobenzene (s)	13.81	95	4289	2.66	ug/L	0.05
Spiked Amount	50.000	Range	62 - 138	Recovery	=	5.32%#

Target Compounds

						Qvalue
12) chloromethane	2.71	50	1041	0.51	ug/L	75
15) vinyl chloride	2.89	62	871	0.50	ug/L	76
17) bromomethane	3.40	94	745	0.67	ug/L	75
31) iodomethane	5.01	142	657	0.33	ug/L #	47
33) carbon disulfide	5.12	76	1625	0.39	ug/L	83
34) methylene chloride	5.54	84	690	0.50	ug/L #	56
36) methyl tert butyl ether	5.94	73	1445m	0.42	ug/L	
38) di-isopropyl ether	6.66	45	2128	0.47	ug/L	71
40) 1,1-dichloroethane	6.57	63	750	0.32	ug/L #	50
44) ethyl tert-butyl ether	7.16	59	1133	0.32	ug/L #	69
51) chloroform	7.88	83	928	0.43	ug/L	75
57) 1,1,1-trichloroethane	8.12	97	589	0.33	ug/L #	1
62) carbon tetrachloride	8.33	117	555	0.35	ug/L	64
66) benzene	8.66	78	2130	0.40	ug/L	72
67) 2,2,4-trimethylpentane	8.66	57	1751	0.35	ug/L #	21
68) tert-amyl methyl ether	8.76	73	1161	0.34	ug/L	53
77) ethyl acrylate	9.65	55	859	0.48	ug/L #	85
81) methylcyclohexane	9.67	83	696	0.31	ug/L #	73
86) toluene	11.03	92	896	0.28	ug/L #	39
99) chlorobenzene	12.54	112	1431	0.40	ug/L	74
102) ethylbenzene	12.67	91	2634	0.44	ug/L	89
103) m,p-xylene	12.80	106	1723	0.73	ug/L	95
104) o-xylene	13.23	106	756	0.32	ug/L #	67
108) isopropylbenzene	13.59	105	2568	0.44	ug/L	90
112) 1,1,2,2-tetrachloroethane	13.91	83	631	0.46	ug/L	83
115) n-propylbenzene	14.04	91	2942	0.45	ug/L	89
116) 4-Ethyltoluene	14.15	105	1931	0.38	ug/L #	51
119) 1,3,5-trimethylbenzene	14.19	105	2606m	0.52	ug/L	
120) tert-butylbenzene	14.50	119	1854	0.45	ug/L	86
122) 1,2,4-trimethylbenzene	14.58	105	2130	0.45	ug/L	95
123) sec-butylbenzene	14.72	105	2511	0.40	ug/L	99
124) 1,3-dichlorobenzene	14.89	146	1098	0.43	ug/L	89
125) p-isopropyltoluene	14.86	119	1951	0.39	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y103254.D
Acq On : 1 Sep 2010 11:23 am
Operator : alexm1
Sample : IC4387-0.5
Misc : MS1403,VY4387,5,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 02 09:10:26 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 01 17:12:43 2010
Response via : Initial Calibration

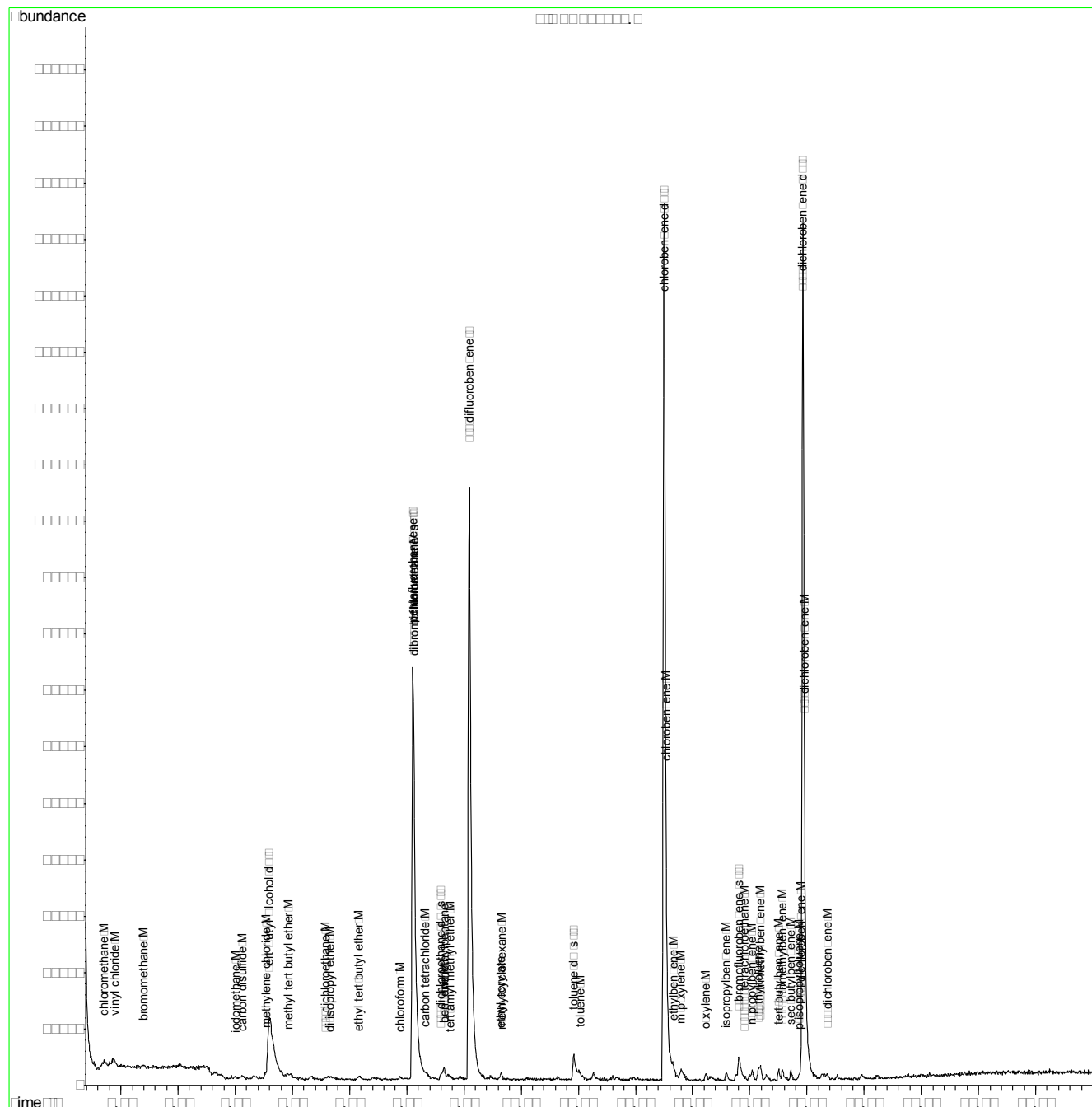
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
126) 1,4-dichlorobenzene	14.96	146	1405	0.50	ug/L	76
127) 1,2-dichlorobenzene	15.35	146	972	0.38	ug/L	89

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

Quantitation Report (QT Reviewed)

```
Data Path   : C:\MSDCHEM\1\DATA\  
Data File  : Y103254.D  
Acq On     : 1 Sep 2010 11:23 am  
Operator   : alexm1  
Sample     : IC4387-0.5  
Misc       : MS1403,VY4387,5,,,,1  
ALS Vial   : 5 Sample Multiplier: 1
```

Quant Time: Sep 02 09:10:26 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 01 17:12:43 2010
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:

VY4387-IC4387

Method:

SW846 8260B

Lab FileID:

Y103254.D

Analyst approved:

09/02/10 09:51 Ho Joong Kim

Injection Time:

09/01/10 11:23

Supervisor approved:

09/08/10 17:34 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Tert Butyl Ether	1634-04-4		5.94	Poor instrument integration
1,3,5-Trimethylbenzene	108-67-8		14.19	Split peak

6.6.15.1
6

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103254.D

Vial: 5

Acq On : 1 Sep 2010 11:23 am

Operator: alexm1

Sample : IC4387-0.5

Inst : MSY

Misc : MS1403,VY4387,5,,,,,1

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:43 2010

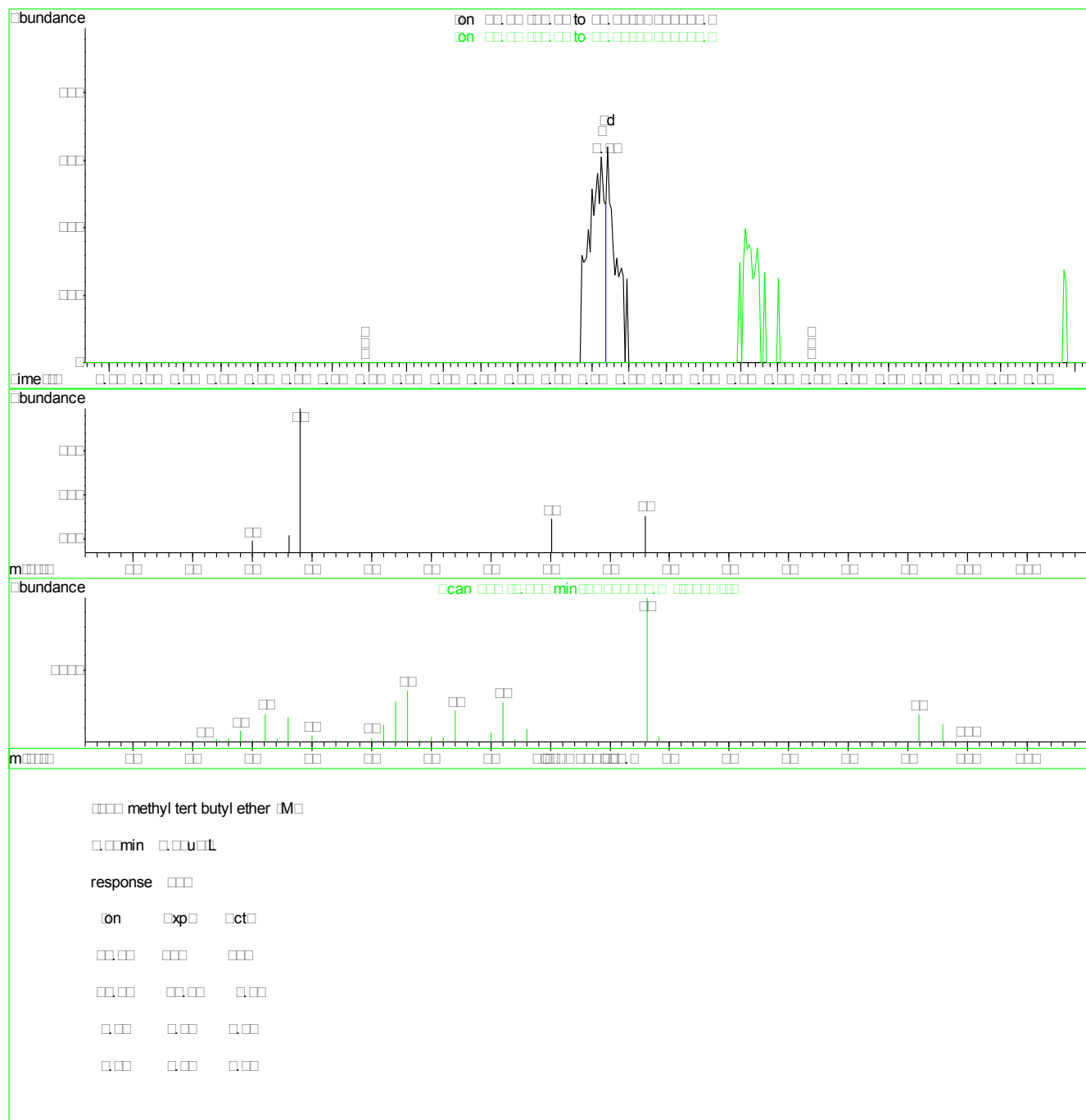
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103254.D

Vial: 5

Acq On : 1 Sep 2010 11:23 am

Operator: alexm1

Sample : IC4387-0.5

Inst : MSY

Misc : MS1403,VY4387,5,,,,,1

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:43 2010

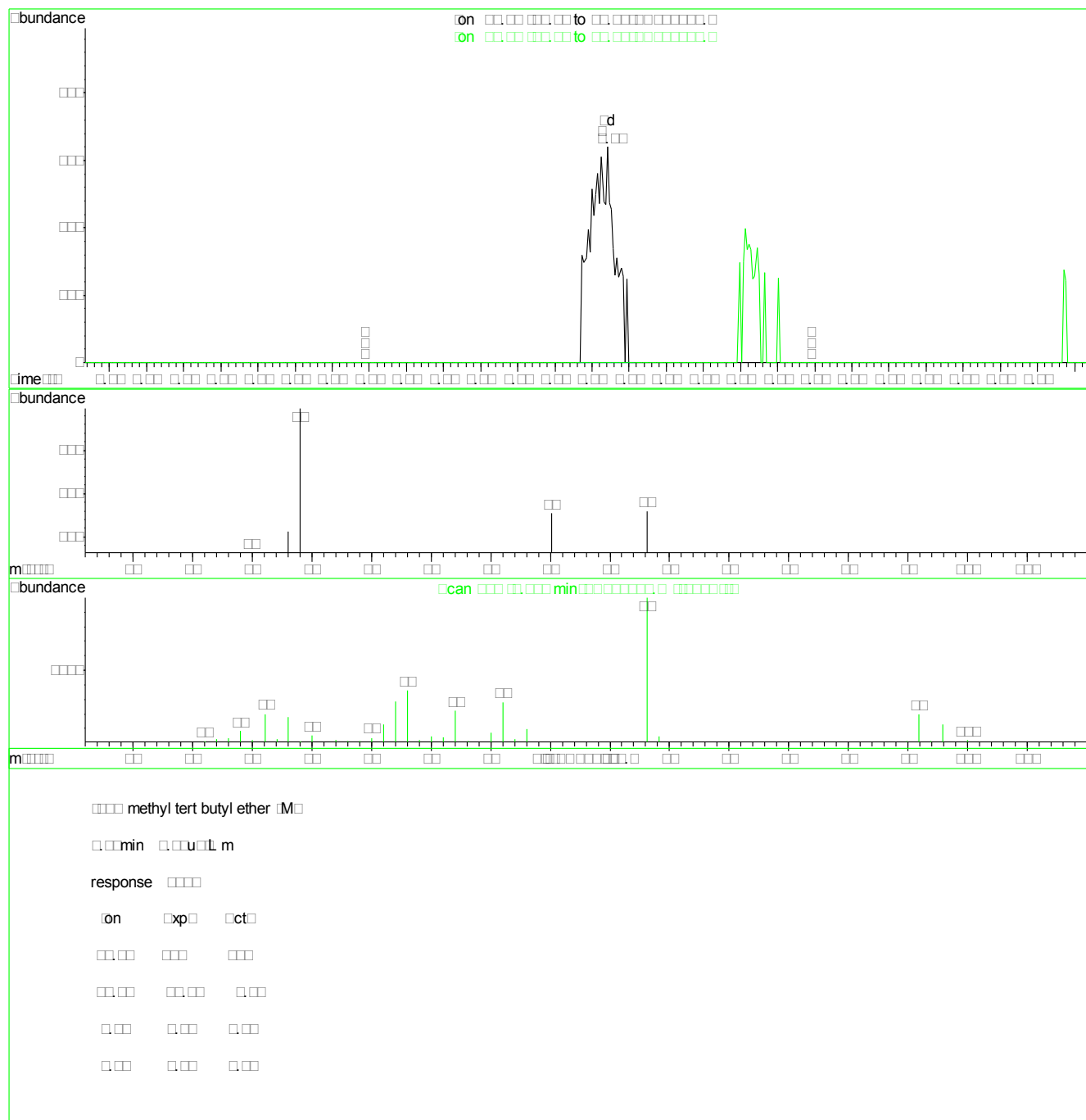
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



Y103254.D MYS4387.M

Thu Sep 02 09:09:05 2010

RPT1

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103254.D

Vial: 5

Acq On : 1 Sep 2010 11:23 am

Operator: alexm1

Sample : IC4387-0.5

Inst : MSY

Misc : MS1403,VY4387,5,,,,,1

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:13:43 2010

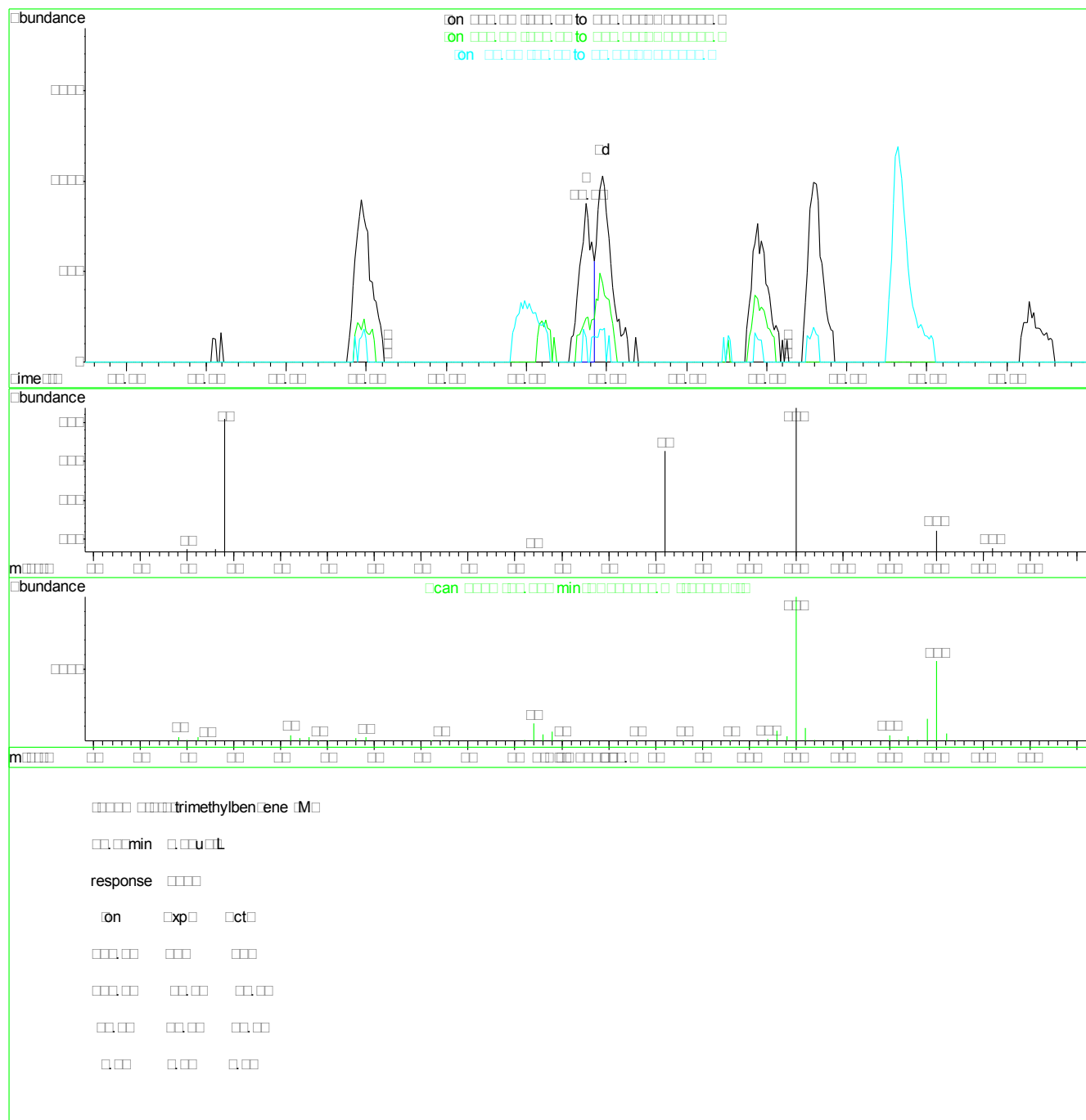
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



Vial: 5

Operator: alexm1

Inst : MSY

Multiplr: 1.0

maximize $p_{\text{eff}} = 1.00$

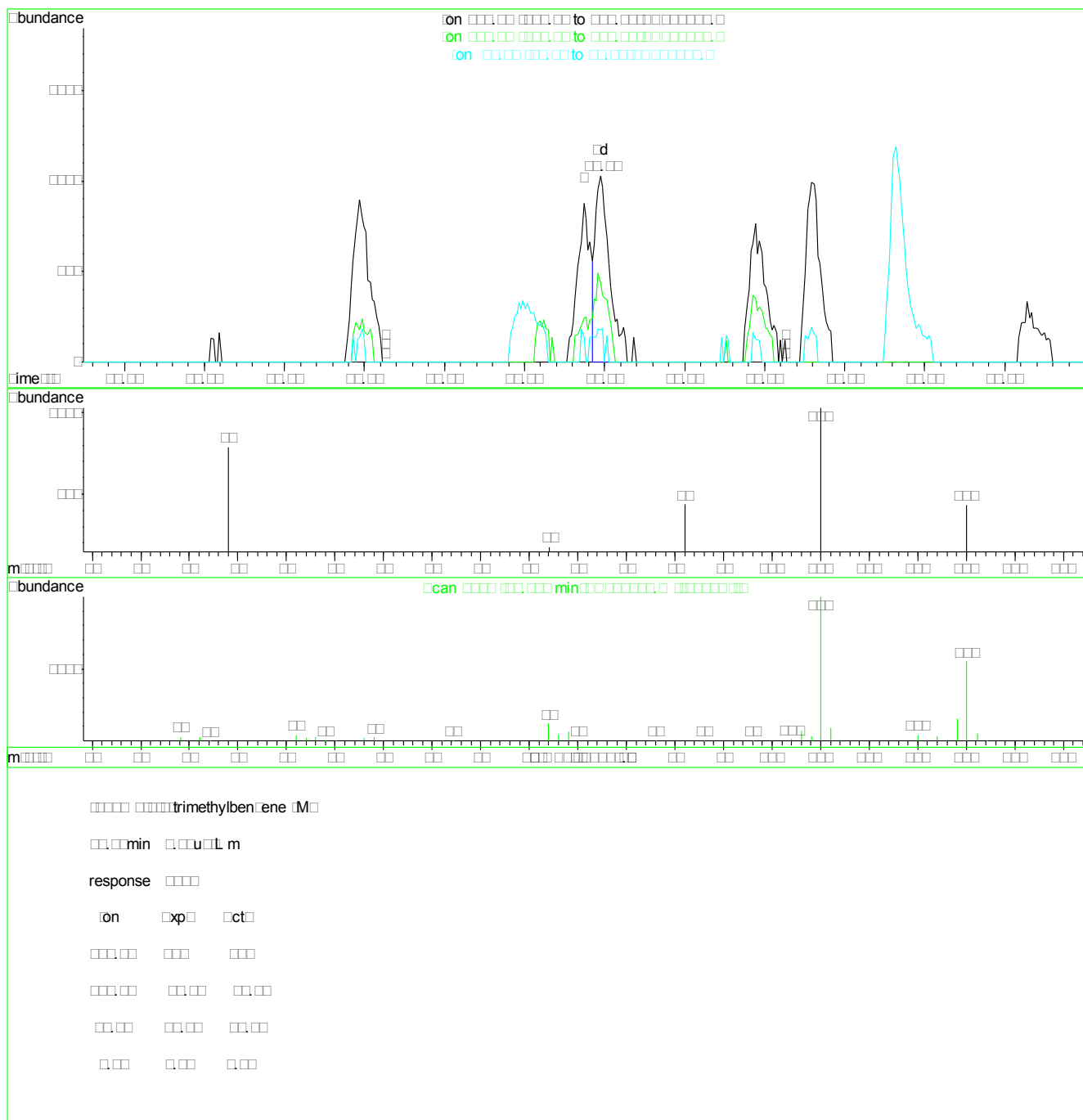
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103256.D
 Acq On : 1 Sep 2010 12:28 pm
 Operator : alexm1
 Sample : IC4387-20
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 02 09:12:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:16:11 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.59	65	55364	500.00	ug/L	0.01
4) pentafluorobenzene	8.10	168	105081	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	165572	50.00	ug/L	0.00
92) chlorobenzene-d5	12.50	117	148582	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	73728	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.09	113	57544	40.50	ug/L	0.00
Spiked Amount	50.000	Range	67 - 127	Recovery	=	81.00%
54) 1,2-dichloroethane-d4 (s)	8.55	65	64062	41.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 132	Recovery	=	83.94%
84) toluene-d8 (s)	10.86	98	235104	52.36	ug/L	0.00
Spiked Amount	50.000	Range	74 - 129	Recovery	=	104.72%
109) 4-bromofluorobenzene (s)	13.76	95	88523	33.95	ug/L	0.00
Spiked Amount	50.000	Range	62 - 138	Recovery	=	67.90%

Target Compounds

Qvalue

2) tertiary butyl alcohol	5.73	59	19492	100.84	ug/L	98
3) 1,4-dioxane	9.89	88	5948	504.35	ug/L #	78
10) chlorodifluoromethane	2.55	51	27342	20.99	ug/L	100
11) dichlorodifluoromethane	2.54	85	32902	21.87	ug/L	98
12) chloromethane	2.71	50	40553	20.66	ug/L	97
15) vinyl chloride	2.89	62	35907	21.57	ug/L	99
17) bromomethane	3.39	94	23013	21.51	ug/L	99
18) chloroethane	3.55	64	21456	21.80	ug/L	95
20) trichlorofluoromethane	3.94	101	36710	22.47	ug/L	98
21) Pentane	4.02	43	46231	21.56	ug/L	98
22) ethyl ether	4.36	74	17172	20.53	ug/L	93
26) acrolein	4.61	56	51384	213.81	ug/L	98
27) 1,1-dichloroethene	4.74	96	22708	20.51	ug/L	94
28) acetone	4.89	58	2422m	19.84	ug/L	
29) allyl chloride	5.30	78	4733	20.09	ug/L	90
30) acetonitrile	5.31	40	18184	243.76	ug/L	93
31) iodomethane	5.00	142	40451	20.78	ug/L	96
33) carbon disulfide	5.12	76	82778	20.60	ug/L	99
34) methylene chloride	5.52	84	27279	20.41	ug/L	98
35) methyl acetate	5.38	43	18235	23.06	ug/L	99
36) methyl tert butyl ether	5.89	73	70694	22.77	ug/L	97
37) trans-1,2-dichloroethene	5.92	96	25771	21.10	ug/L	94
38) di-isopropyl ether	6.60	45	92382	21.43	ug/L	99
39) 2-butanone	7.51	72	2296	16.40	ug/L	89
40) 1,1-dichloroethane	6.55	63	46843	20.97	ug/L	97
41) chloroprene	6.67	53	33778	22.33	ug/L	97
42) acrylonitrile	5.93	53	41290	103.18	ug/L	97
44) ethyl tert-butyl ether	7.13	59	76066	22.21	ug/L	99
46) 2,2-dichloropropane	7.38	77	36896	20.76	ug/L	96
47) cis-1,2-dichloroethene	7.42	96	27708	20.83	ug/L	95
48) propionitrile	7.55	54	32203	207.66	ug/L	98
49) bromochloromethane	7.76	128	12671	21.60	ug/L	94
50) tetrahydrofuran	7.84	42	7866	20.69	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103256.D
 Acq On : 1 Sep 2010 12:28 pm
 Operator : alexm1
 Sample : IC4387-20
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 02 09:12:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:16:11 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.86	83	42644	20.47	ug/L	99
52) tert-butyl formate	7.90	59	20341	21.98	ug/L #	99
55) freon 113	4.74	151	18767	21.89	ug/L	98
56) methacrylonitrile	7.78	67	8107	22.46	ug/L	91
57) 1,1,1-trichloroethane	8.10	97	35489	20.62	ug/L	95
58) Cyclohexane	8.16	84	48848	17.77	ug/L	96
60) epichlorohydrin	10.50	57	11464	98.19	ug/L	95
61) n-butyl alcohol	8.23	56	54379	1051.61	ug/L	98
62) carbon tetrachloride	8.33	117	30137	20.09	ug/L	97
63) 1,1-dichloropropene	8.33	75	34363	21.00	ug/L	99
64) hexane	6.28	86	6315	21.20	ug/L #	89
66) benzene	8.61	78	104924	20.59	ug/L	99
67) 2,2,4-trimethylpentane	8.65	57	103763	22.46	ug/L	96
68) tert-amyl methyl ether	8.70	73	70192	22.52	ug/L	97
69) heptane	8.88	57	23689	20.68	ug/L	97
70) isopropyl acetate	8.67	61	13427	21.73	ug/L	93
71) 1,2-dichloroethane	8.66	62	29529	22.86	ug/L	99
73) trichloroethene	9.44	95	24995	21.09	ug/L	95
75) 2-nitropropane	10.31	41	4660	14.40	ug/L	87
76) 2-chloroethyl vinyl ether	10.37	63	52826	103.53	ug/L	98
77) ethyl acrylate	9.63	55	37488	21.67	ug/L #	99
78) methyl methacrylate	9.84	69	17221	22.44	ug/L	97
79) 1,2-dichloropropane	9.70	63	27955	21.62	ug/L	99
80) dibromomethane	9.89	93	13560	21.77	ug/L	99
81) methylcyclohexane	9.63	83	45927	22.51	ug/L	98
82) bromodichloromethane	10.05	83	32868	21.34	ug/L	96
83) cis-1,3-dichloropropene	10.57	75	45309	21.79	ug/L	98
85) 4-methyl-2-pentanone	10.72	58	9775	22.23	ug/L	96
86) toluene	10.94	92	65431	20.93	ug/L	99
87) 3-methyl-1-butanol	10.82	55	24785	531.66	ug/L	97
88) trans-1,3-dichloropropene	11.21	75	38646	21.92	ug/L	99
89) ethyl methacrylate	11.26	69	34110	23.81	ug/L	98
90) 1,1,2-trichloroethane	11.41	83	18404	21.53	ug/L	99
91) 2-hexanone	11.69	58	11384	22.04	ug/L	92
93) tetrachloroethene	11.56	164	21949	21.68	ug/L	96
94) 1,3-dichloropropane	11.61	76	38776	21.76	ug/L	99
95) butyl acetate	11.78	56	13588	19.05	ug/L	95
96) 3,3-dimethyl-1-butanol	11.88	57	27554	235.85	ug/L	97
97) dibromochloromethane	11.87	129	24270	21.66	ug/L	100
98) 1,2-dibromoethane	12.02	107	21325	22.29	ug/L	97
99) chlorobenzene	12.53	112	72822	21.07	ug/L	99
101) 1,1,1,2-tetrachloroethane	12.60	131	25300	21.28	ug/L	97
102) ethylbenzene	12.61	91	121988	20.98	ug/L	99
103) m,p-xylene	12.73	106	96334	42.04	ug/L	98
104) o-xylene	13.18	106	48603	21.22	ug/L	98
105) styrene	13.20	104	82619	21.79	ug/L	98
106) bromoform	13.45	173	16637	22.04	ug/L	99
108) isopropylbenzene	13.55	105	125853	20.56	ug/L	99
110) cyclohexanone	13.70	55	49474	192.42	ug/L	98
111) bromobenzene	13.94	156	31345	21.58	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103256.D
 Acq On : 1 Sep 2010 12:28 pm
 Operator : alexm1
 Sample : IC4387-20
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 02 09:12:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:16:11 2010
 Response via : Initial Calibration

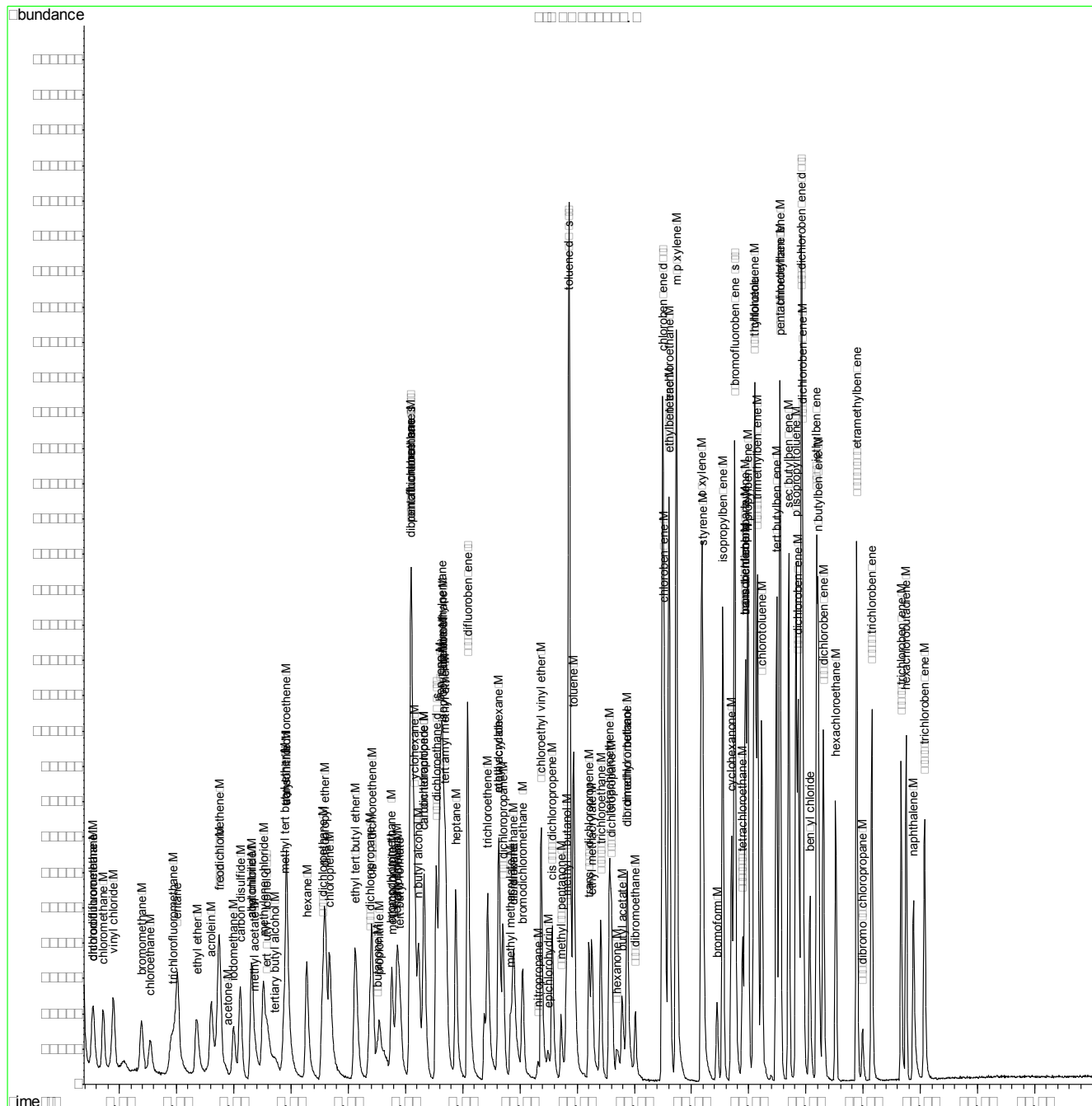
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,1,2,2-tetrachloroethane	13.89	83	30185	20.93	ug/L	99
113) trans-1,4-dichloro-2-buten	13.94	53	7400	20.79	ug/L	98
114) 1,2,3-trichloropropane	13.95	110	8031	21.96	ug/L #	80
115) n-propylbenzene	13.99	91	143710	20.75	ug/L	99
116) 4-Ethyltoluene	14.10	105	118102	22.09	ug/L	98
117) 2-chlorotoluene	14.11	126	29366	20.93	ug/L	97
118) 4-chlorotoluene	14.22	91	85249	19.75	ug/L	98
119) 1,3,5-trimethylbenzene	14.15	105	105878	21.18	ug/L	99
120) tert-butylbenzene	14.49	119	89766	20.63	ug/L	100
121) pentachloroethane	14.55	167	19313	20.92	ug/L	99
122) 1,2,4-trimethylbenzene	14.54	105	100828	20.15	ug/L	98
123) sec-butylbenzene	14.70	105	137272	20.74	ug/L	100
124) 1,3-dichlorobenzene	14.86	146	57425	21.01	ug/L	99
125) p-isopropyltoluene	14.83	119	111989	20.91	ug/L	99
126) 1,4-dichlorobenzene	14.94	146	61237	20.39	ug/L	97
127) 1,2-dichlorobenzene	15.30	146	57260	21.06	ug/L	99
128) benzyl chloride	15.07	91	55733	21.74	ug/L	100
129) 1,4-Diethylbenzene	15.18	119	67931	22.05	ug/L	99
130) n-butylbenzene	15.21	92	55948	21.85	ug/L	98
131) 1,2,4,5-Tetramethylbenzene	15.88	119	105220	21.94	ug/L	99
132) 1,2-dibromo-3-chloropropan	15.98	75	4928	20.73	ug/L	88
133) 1,3,5-trichlorobenzene	16.15	180	48885	21.56	ug/L	100
134) 1,2,4-trichlorobenzene	16.66	180	39995	22.46	ug/L	100
135) hexachlorobutadiene	16.75	225	24827	21.22	ug/L	97
136) naphthalene	16.88	128	68826	18.60	ug/L	100
137) 1,2,3-trichlorobenzene	17.07	180	36000	22.49	ug/L	98
138) hexachloroethane	15.52	201	18338	21.07	ug/L	96

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

6.6.16



Quant Time: Sep 02 09:12:42 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 01 17:16:11 2010
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VY4387-IC4387

Method: SW846 8260B

Lab FileID: Y103256.D

Analyst approved: 09/02/10 09:51 Ho Joong Kim

Injection Time: 09/01/10 12:28

Supervisor approved: 09/08/10 17:34 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acetone	67-64-1		4.89	Poor instrument integration

6.6.16.1
6

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103256.D

Vial: 7

Acq On : 1 Sep 2010 12:28 pm

Operator: alexm1

Sample : IC4387-20

Inst : MSY

Misc : MS1403,VY4387,5,,,,,1

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 01 17:16:17 2010

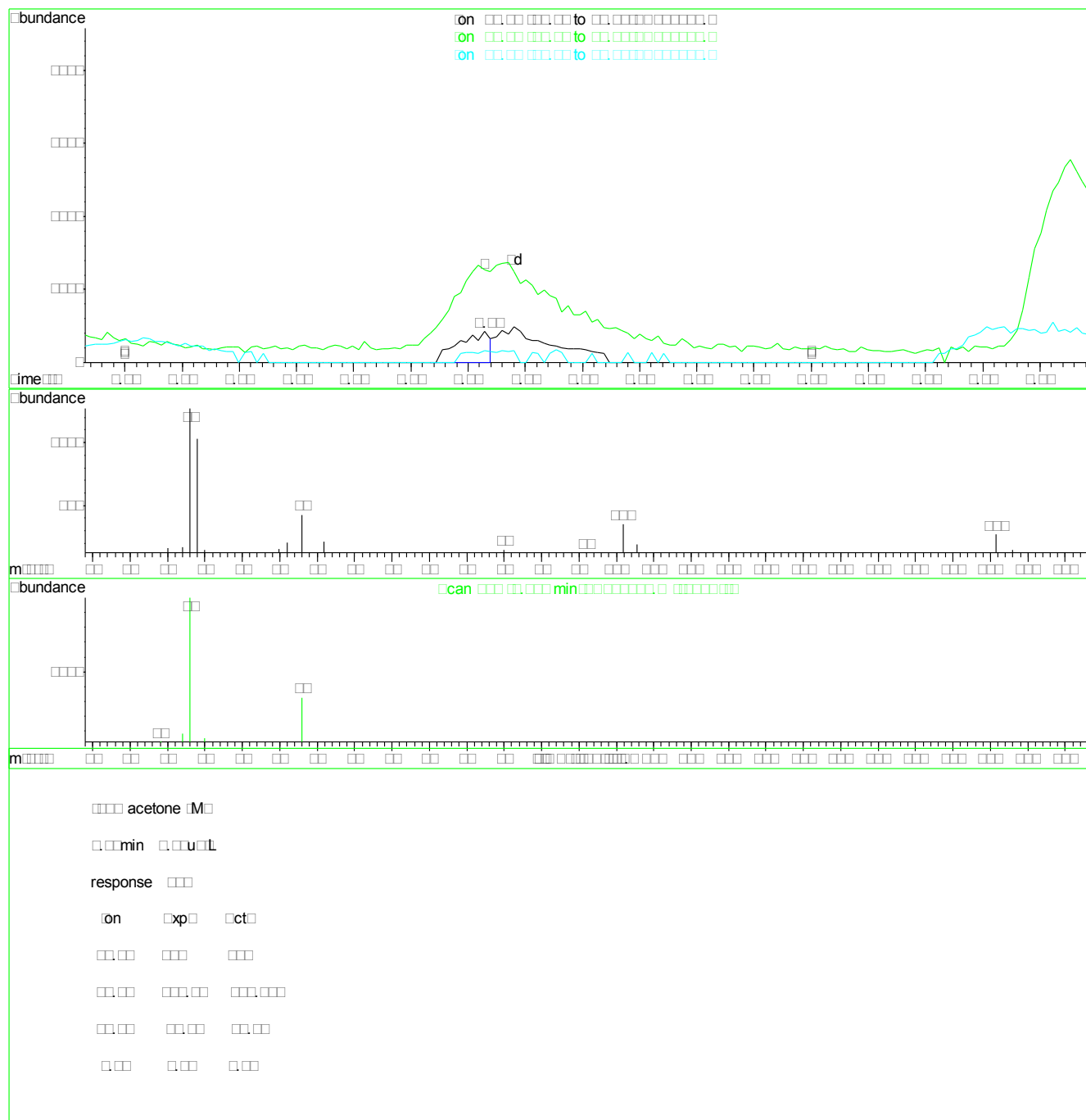
Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)

Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um

Last Update : Thu Sep 02 08:33:10 2010

Response via : Multiple Level Calibration



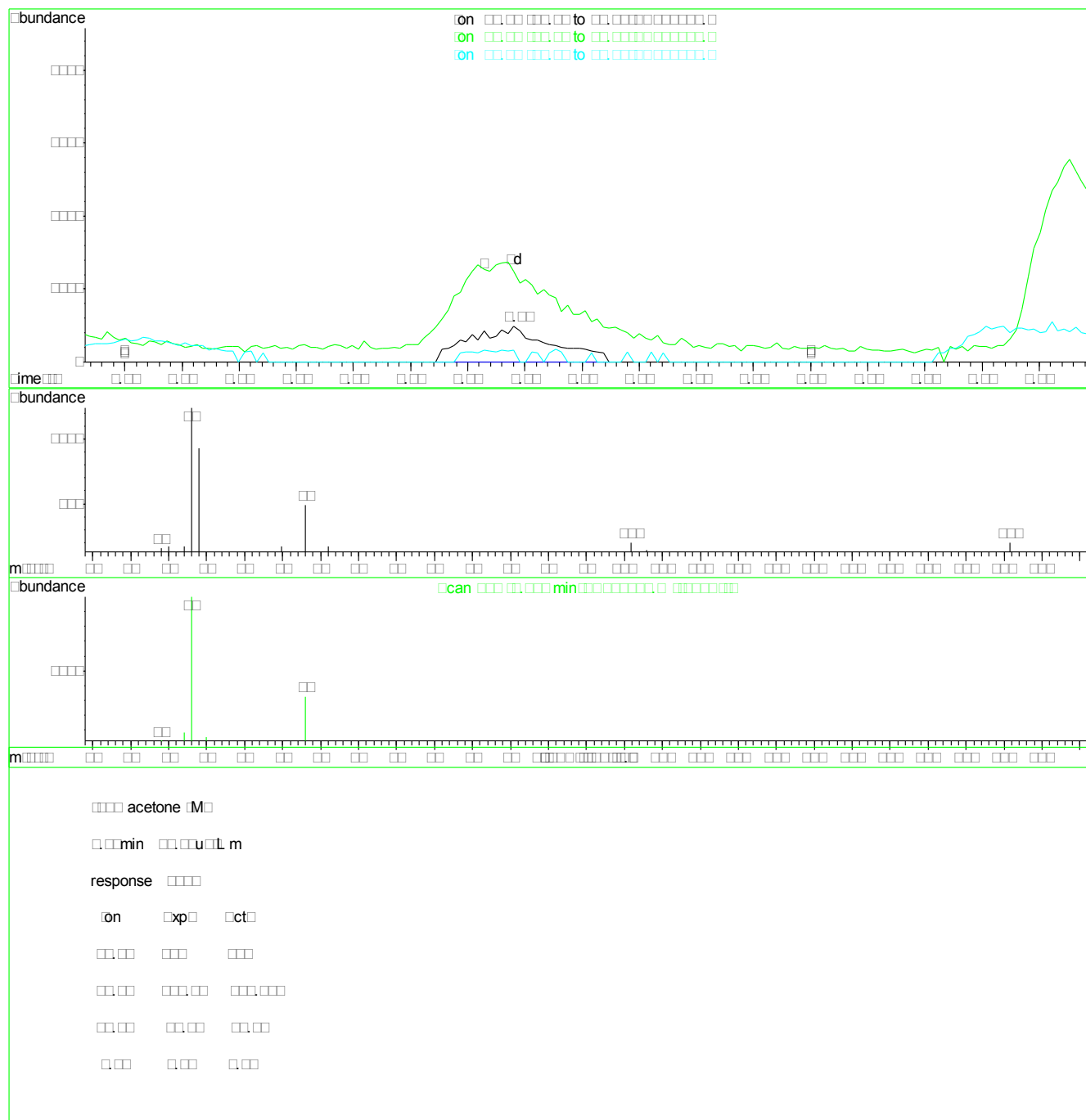
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103256.D Vial: 7
Acq On : 1 Sep 2010 12:28 pm Operator: alexm1
Sample : IC4387-20 Inst : MSY
Misc : MS1403,VY4387,5,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:16:17 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 08:33:10 2010
Response via : Multiple Level Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103257.D
 Acq On : 1 Sep 2010 12:58 pm
 Operator : alexm1
 Sample : ICC4387-50
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 09:14:22 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.58	65	53935	500.00	ug/L	0.00
4) pentafluorobenzene	8.10	168	104778	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	165449	50.00	ug/L	0.00
92) chlorobenzene-d5	12.50	117	150734	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	74640	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.09	113	52651	47.62	ug/L	0.00
Spiked Amount	50.000	Range	67 - 127	Recovery	=	95.24%
54) 1,2-dichloroethane-d4 (s)	8.54	65	57832	47.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 132	Recovery	=	94.04%
84) toluene-d8 (s)	10.86	98	216930	48.43	ug/L	0.00
Spiked Amount	50.000	Range	74 - 129	Recovery	=	96.86%
109) 4-bromofluorobenzene (s)	13.76	95	82667	47.97	ug/L	0.00
Spiked Amount	50.000	Range	62 - 138	Recovery	=	95.94%

Target Compounds

Qvalue

2) tertiary butyl alcohol	5.71	59	47772	246.61	ug/L	100
3) 1,4-dioxane	9.87	88	15394	1182.43	ug/L	100
10) chlorodifluoromethane	2.54	51	63858	49.53	ug/L	100
11) dichlorodifluoromethane	2.53	85	77815	49.30	ug/L	100
12) chloromethane	2.72	50	93404	47.73	ug/L	100
15) vinyl chloride	2.90	62	82246	49.59	ug/L	100
17) bromomethane	3.38	94	52760	49.29	ug/L	100
18) chloroethane	3.54	64	49439	50.30	ug/L	100
20) trichlorofluoromethane	3.93	101	85809	50.20	ug/L	100
21) Pentane	4.01	43	103437	48.60	ug/L	100
22) ethyl ether	4.35	74	40416	48.33	ug/L	100
26) acrolein	4.60	56	115399	473.13	ug/L	100
27) 1,1-dichloroethene	4.74	96	53454	48.64	ug/L	100
28) acetone	4.85	58	6709	17.61	ug/L	# 100
29) allyl chloride	5.30	78	11450	49.16	ug/L	100
30) acetonitrile	5.30	40	45294	493.70	ug/L	100
31) iodomethane	5.00	142	95502	49.42	ug/L	100
33) carbon disulfide	5.10	76	193846	48.55	ug/L	100
34) methylene chloride	5.51	84	63513	47.86	ug/L	100
35) methyl acetate	5.36	43	42731	49.08	ug/L	100
36) methyl tert butyl ether	5.88	73	165607	49.80	ug/L	100
37) trans-1,2-dichloroethene	5.91	96	59809	49.24	ug/L	100
38) di-isopropyl ether	6.59	45	209685	48.51	ug/L	100
39) 2-butanone	7.47	72	7100	56.76	ug/L	100
40) 1,1-dichloroethane	6.55	63	110943	49.89	ug/L	100
41) chloroprene	6.67	53	76822	50.47	ug/L	100
42) acrylonitrile	5.91	53	103471	256.13	ug/L	100
44) ethyl tert-butyl ether	7.12	59	177112	51.89	ug/L	100
46) 2,2-dichloropropane	7.38	77	86346	48.90	ug/L	100
47) cis-1,2-dichloroethene	7.41	96	65811	49.84	ug/L	100
48) propionitrile	7.52	54	80775	514.28	ug/L	100
49) bromochloromethane	7.75	128	29926	51.44	ug/L	100
50) tetrahydrofuran	7.82	42	17951	44.97	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103257.D
 Acq On : 1 Sep 2010 12:58 pm
 Operator : alexm1
 Sample : ICC4387-50
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 09:14:22 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.85	83	99371	48.05	ug/L	100
52) tert-butyl formate	7.89	59	47434	51.13	ug/L #	100
55) freon 113	4.74	151	43104	48.17	ug/L	100
56) methacrylonitrile	7.74	67	21448	50.36	ug/L	100
57) 1,1,1-trichloroethane	8.10	97	83564	48.76	ug/L	100
58) Cyclohexane	8.15	84	97476	44.06	ug/L	100
60) epichlorohydrin	10.48	57	29819	242.75	ug/L	100
61) n-butyl alcohol	8.23	56	124669	2431.12	ug/L	100
62) carbon tetrachloride	8.32	117	70324	46.80	ug/L	100
63) 1,1-dichloropropene	8.32	75	80488	49.34	ug/L	100
64) hexane	6.27	86	14906	50.43	ug/L	100
66) benzene	8.60	78	248229	48.75	ug/L	100
67) 2,2,4-trimethylpentane	8.64	57	225980	46.89	ug/L	100
68) tert-amyl methyl ether	8.70	73	159695	49.23	ug/L	100
69) heptane	8.88	57	53107	46.18	ug/L	100
70) isopropyl acetate	8.65	61	31479	49.89	ug/L	100
71) 1,2-dichloroethane	8.64	62	69359	52.70	ug/L	100
73) trichloroethene	9.43	95	59160	49.94	ug/L	100
75) 2-nitropropane	10.30	41	18083	68.62	ug/L	100
76) 2-chloroethyl vinyl ether	10.36	63	134067	258.19	ug/L	100
77) ethyl acrylate	9.63	55	82982	48.19	ug/L #	100
78) methyl methacrylate	9.81	69	42412	51.47	ug/L	100
79) 1,2-dichloropropane	9.70	63	65991	51.13	ug/L	100
80) dibromomethane	9.88	93	32422	49.84	ug/L	100
81) methylcyclohexane	9.63	83	104748	48.49	ug/L	100
82) bromodichloromethane	10.05	83	76687	49.87	ug/L	100
83) cis-1,3-dichloropropene	10.56	75	107544	51.73	ug/L	100
85) 4-methyl-2-pentanone	10.71	58	22148	48.60	ug/L	100
86) toluene	10.94	92	154486	49.60	ug/L	100
87) 3-methyl-1-butanol	10.80	55	61222	1023.39	ug/L	100
88) trans-1,3-dichloropropene	11.20	75	93055	52.69	ug/L	100
89) ethyl methacrylate	11.25	69	81071	50.70	ug/L	100
90) 1,1,2-trichloroethane	11.41	83	43888	51.28	ug/L	100
91) 2-hexanone	11.66	58	24534	49.84	ug/L	100
93) tetrachloroethene	11.56	164	52361	50.90	ug/L	100
94) 1,3-dichloropropane	11.60	76	92801	51.20	ug/L	100
95) butyl acetate	11.77	56	36492	48.23	ug/L	100
96) 3,3-dimethyl-1-butanol	11.87	57	67345	503.98	ug/L	100
97) dibromochloromethane	11.87	129	58357	51.27	ug/L	100
98) 1,2-dibromoethane	12.01	107	51504	52.77	ug/L	100
99) chlorobenzene	12.53	112	172298	49.15	ug/L	100
101) 1,1,1,2-tetrachloroethane	12.60	131	59589	49.59	ug/L	100
102) ethylbenzene	12.61	91	288257	48.89	ug/L	100
103) m,p-xylene	12.73	106	225438	96.69	ug/L	100
104) o-xylene	13.17	106	115564	49.89	ug/L	100
105) styrene	13.19	104	195468	50.90	ug/L	100
106) bromoform	13.44	173	40683	50.76	ug/L	100
108) isopropylbenzene	13.55	105	297558	48.15	ug/L	100
110) cyclohexanone	13.69	55	123949	513.23	ug/L	100
111) bromobenzene	13.93	156	74056	50.49	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y103257.D
Acq On : 1 Sep 2010 12:58 pm
Operator : alexm1
Sample : ICC4387-50
Misc : MS1403,VY4387,5,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 02 09:14:22 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 01 17:12:43 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,1,2,2-tetrachloroethane	13.89	83	72260	49.15	ug/L	100
113) trans-1,4-dichloro-2-buten	13.94	53	18662	51.32	ug/L	100
114) 1,2,3-trichloropropane	13.94	110	18715	50.03	ug/L	100
115) n-propylbenzene	13.98	91	340192	48.63	ug/L	100
116) 4-Ethyltoluene	14.10	105	266963	49.49	ug/L	100
117) 2-chlorotoluene	14.11	126	68737	48.42	ug/L	100
118) 4-chlorotoluene	14.22	91	203426	46.55	ug/L	100
119) 1,3,5-trimethylbenzene	14.15	105	242666	45.49	ug/L	100
120) tert-butylbenzene	14.48	119	211488	48.15	ug/L	100
121) pentachloroethane	14.55	167	46144	49.37	ug/L	100
122) 1,2,4-trimethylbenzene	14.54	105	247228	48.97	ug/L	100
123) sec-butylbenzene	14.70	105	324089	48.52	ug/L	100
124) 1,3-dichlorobenzene	14.86	146	138726	50.55	ug/L	100
125) p-isopropyltoluene	14.82	119	268634	49.67	ug/L	100
126) 1,4-dichlorobenzene	14.94	146	142924	47.31	ug/L	100
127) 1,2-dichlorobenzene	15.30	146	137897	50.27	ug/L	100
128) benzyl chloride	15.06	91	139339	53.24	ug/L	100
129) 1,4-Diethylbenzene	15.18	119	159321	51.30	ug/L	100
130) n-butylbenzene	15.21	92	136004	52.54	ug/L	100
131) 1,2,4,5-Tetramethylbenzene	15.88	119	250982	52.09	ug/L	100
132) 1,2-dibromo-3-chloropropan	15.98	75	12441	50.45	ug/L	100
133) 1,3,5-trichlorobenzene	16.15	180	120197	52.59	ug/L	100
134) 1,2,4-trichlorobenzene	16.66	180	104484	53.00	ug/L	100
135) hexachlorobutadiene	16.75	225	60915	51.69	ug/L	100
136) naphthalene	16.87	128	190200	48.39	ug/L	100
137) 1,2,3-trichlorobenzene	17.07	180	93835	52.76	ug/L	100
138) hexachloroethane	15.52	201	44590	50.96	ug/L	100

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

6.6.17

[illegible]

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103258.D
 Acq On : 1 Sep 2010 1:27 pm
 Operator : alexm1
 Sample : IC4387-100
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 02 09:15:38 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.59	65	53575	500.00	ug/L	0.01
4) pentafluorobenzene	8.10	168	100646	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.08	114	162826	50.00	ug/L	0.00
92) chlorobenzene-d5	12.49	117	150431	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	74576	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.08	113	106933	100.68	ug/L	0.00
Spiked Amount	50.000	Range	67 - 127	Recovery	=	201.36%#
54) 1,2-dichloroethane-d4 (s)	8.54	65	116080	98.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 132	Recovery	=	196.50%#
84) toluene-d8 (s)	10.85	98	432063	98.02	ug/L	0.00
Spiked Amount	50.000	Range	74 - 129	Recovery	=	196.04%#
109) 4-bromofluorobenzene (s)	13.75	95	166614	96.76	ug/L	0.00
Spiked Amount	50.000	Range	62 - 138	Recovery	=	193.52%#

Target Compounds

Qvalue

2) tertiary butyl alcohol	5.71	59	100732	523.50	ug/L	96
3) 1,4-dioxane	9.86	88	33803	2503.53	ug/L	94
10) chlorodifluoromethane	2.54	51	129545	104.60	ug/L	98
11) dichlorodifluoromethane	2.53	85	161908	106.79	ug/L	99
12) chloromethane	2.73	50	191344	101.79	ug/L	97
15) vinyl chloride	2.91	62	169029	106.10	ug/L	97
17) bromomethane	3.37	94	105601	102.71	ug/L	100
18) chloroethane	3.53	64	101822	107.85	ug/L	99
20) trichlorofluoromethane	3.93	101	175665	106.99	ug/L	97
21) Pentane	4.00	43	209439	102.44	ug/L	100
22) ethyl ether	4.34	74	82075	102.17	ug/L	99
27) 1,1-dichloroethene	4.73	96	108122	102.42	ug/L	100
28) acetone	4.84	58	14510	39.65	ug/L	# 79
29) allyl chloride	5.30	78	23553	105.27	ug/L	90
30) acetonitrile	5.30	40	94894	1076.81	ug/L	99
31) iodomethane	4.99	142	194879	104.98	ug/L	100
33) carbon disulfide	5.10	76	387843	101.13	ug/L	99
34) methylene chloride	5.50	84	127147	99.74	ug/L	98
35) methyl acetate	5.33	43	87990	104.38	ug/L	96
36) methyl tert butyl ether	5.88	73	333536	104.42	ug/L	99
37) trans-1,2-dichloroethene	5.90	96	119369	102.31	ug/L	99
38) di-isopropyl ether	6.58	45	430838	103.76	ug/L	88
39) 2-butanone	7.44	72	16423	136.68	ug/L	52
40) 1,1-dichloroethane	6.54	63	224236	104.98	ug/L	99
41) chloroprene	6.66	53	150433	102.89	ug/L	98
42) acrylonitrile	5.89	53	204651	527.38	ug/L	97
44) ethyl tert-butyl ether	7.12	59	361522	110.27	ug/L	99
46) 2,2-dichloropropane	7.38	77	173728	102.44	ug/L	99
47) cis-1,2-dichloroethene	7.40	96	132147	104.19	ug/L	99
48) propionitrile	7.51	54	162648	1078.06	ug/L	97
49) bromochloromethane	7.75	128	60549	108.35	ug/L	97
50) tetrahydrofuran	7.81	42	39584	104.39	ug/L	97
51) chloroform	7.85	83	197762	99.55	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103258.D
 Acq On : 1 Sep 2010 1:27 pm
 Operator : alexm1
 Sample : IC4387-100
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 02 09:15:38 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) tert-butyl formate	7.89	59	97041	108.91	ug/L #	99
55) freon 113	4.74	151	88829	103.34	ug/L	99
56) methacrylonitrile	7.73	67	45514	111.25	ug/L	98
57) 1,1,1-trichloroethane	8.10	97	166901	101.39	ug/L	98
58) Cyclohexane	8.16	84	192056	90.37	ug/L	98
60) epichlorohydrin	10.47	57	59730	494.09	ug/L	97
61) n-butyl alcohol	8.22	56	259495	5141.83	ug/L	99
62) carbon tetrachloride	8.32	117	141706	95.82	ug/L	99
63) 1,1-dichloropropene	8.32	75	161468	100.58	ug/L	99
64) hexane	6.26	86	30101	103.48	ug/L	99
66) benzene	8.59	78	494948	98.77	ug/L	99
67) 2,2,4-trimethylpentane	8.64	57	449116	94.70	ug/L	99
68) tert-amyl methyl ether	8.70	73	322043	100.88	ug/L	95
69) heptane	8.87	57	107449	94.93	ug/L	95
70) isopropyl acetate	8.64	61	65060	104.77	ug/L	89
71) 1,2-dichloroethane	8.64	62	137244	105.96	ug/L	98
73) trichloroethene	9.42	95	119352	102.37	ug/L	98
75) 2-nitropropane	10.30	41	24840	98.48	ug/L	87
76) 2-chloroethyl vinyl ether	10.36	63	288523	564.60	ug/L	99
77) ethyl acrylate	9.63	55	167164	98.63	ug/L #	99
78) methyl methacrylate	9.81	69	86380	106.51	ug/L	96
79) 1,2-dichloropropane	9.70	63	132321	104.17	ug/L	99
80) dibromomethane	9.87	93	65420	102.19	ug/L	98
81) methylcyclohexane	9.63	83	212803	100.09	ug/L	98
82) bromodichloromethane	10.04	83	156119	103.15	ug/L	98
83) cis-1,3-dichloropropene	10.55	75	214778	104.97	ug/L	98
85) 4-methyl-2-pentanone	10.70	58	45607	100.20	ug/L	99
86) toluene	10.93	92	309049	100.83	ug/L	99
87) 3-methyl-1-butanol	10.79	55	125324	2128.66	ug/L	98
88) trans-1,3-dichloropropene	11.19	75	190050	109.34	ug/L	99
89) ethyl methacrylate	11.23	69	167111	106.20	ug/L	98
90) 1,1,2-trichloroethane	11.40	83	88879	105.52	ug/L	97
91) 2-hexanone	11.65	58	50854	104.96	ug/L	96
93) tetrachloroethene	11.56	164	105339	102.60	ug/L	98
94) 1,3-dichloropropane	11.60	76	185306	102.45	ug/L	99
95) butyl acetate	11.76	56	80994	105.08	ug/L	94
96) 3,3-dimethyl-1-butanol	11.86	57	142254	1066.70	ug/L	98
97) dibromochloromethane	11.87	129	118511	104.33	ug/L	99
98) 1,2-dibromoethane	12.00	107	104687	107.48	ug/L	98
99) chlorobenzene	12.52	112	350346	100.14	ug/L	99
101) 1,1,1,2-tetrachloroethane	12.60	131	120104	100.16	ug/L	98
102) ethylbenzene	12.60	91	576278	97.93	ug/L	99
103) m,p-xylene	12.73	106	446282	191.80	ug/L	100
104) o-xylene	13.16	106	230991	99.92	ug/L	98
105) styrene	13.19	104	392380	102.39	ug/L	97
106) bromoform	13.44	173	84908	106.16	ug/L	99
108) isopropylbenzene	13.54	105	596270	96.57	ug/L	99
110) cyclohexanone	13.69	55	264020	1094.16	ug/L	99
111) bromobenzene	13.93	156	149881	102.27	ug/L	100
112) 1,1,2,2-tetrachloroethane	13.89	83	145908	99.33	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103258.D
 Acq On : 1 Sep 2010 1:27 pm
 Operator : alexm1
 Sample : IC4387-100
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 02 09:15:38 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

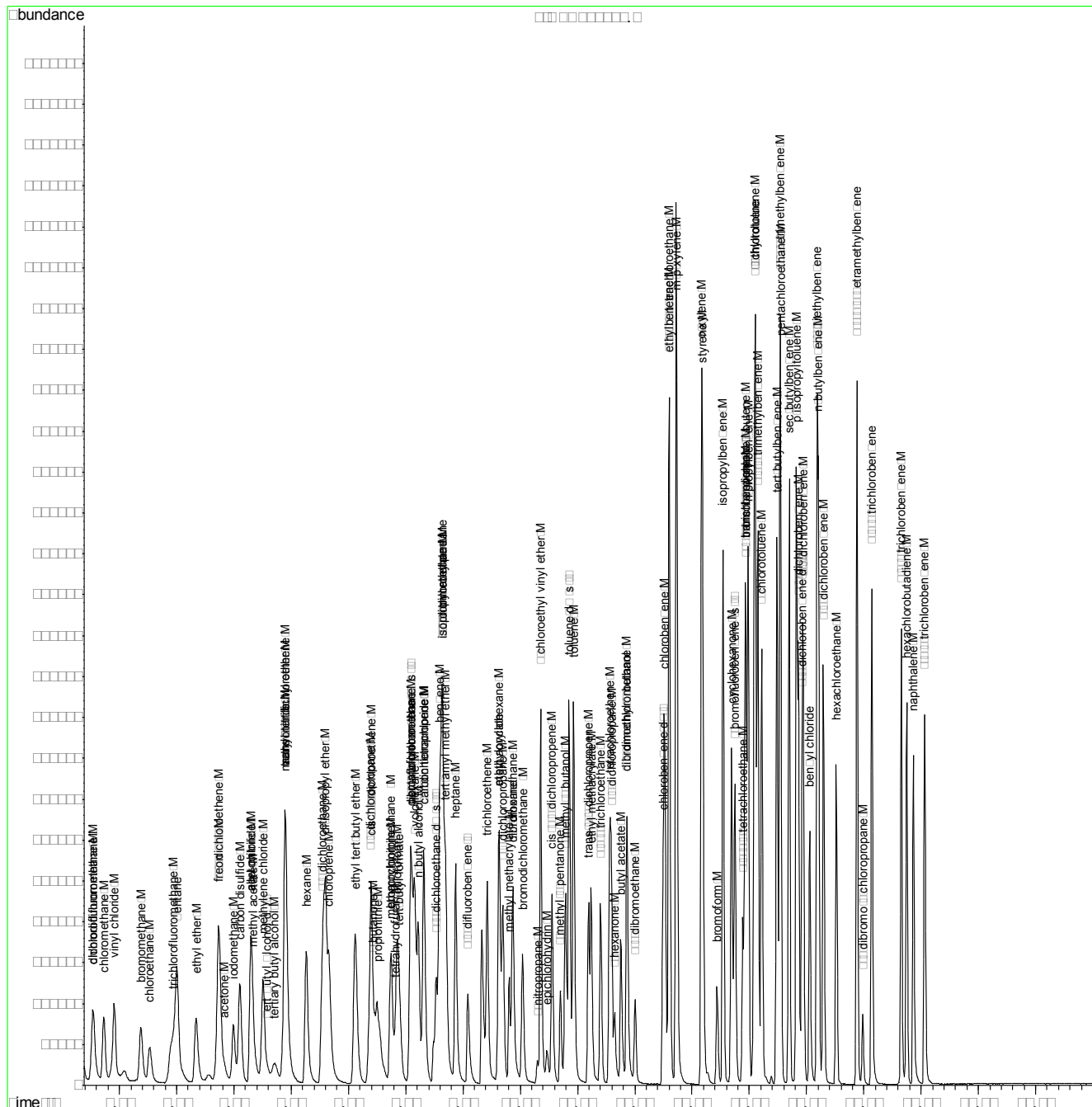
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
113) trans-1,4-dichloro-2-buten	13.93	53	38521	106.03	ug/L #	71
114) 1,2,3-trichloropropane	13.94	110	38021	101.73	ug/L #	84
115) n-propylbenzene	13.98	91	677151	96.88	ug/L	100
116) 4-Ethyltoluene	14.09	105	564856	104.81	ug/L	96
117) 2-chlorotoluene	14.11	126	138300	97.51	ug/L	96
118) 4-chlorotoluene	14.22	91	415037	95.06	ug/L	99
119) 1,3,5-trimethylbenzene	14.15	105	476740	89.45	ug/L	100
120) tert-butylbenzene	14.48	119	430104	98.01	ug/L	99
121) pentachloroethane	14.55	167	92299	98.84	ug/L	98
122) 1,2,4-trimethylbenzene	14.53	105	495053	98.14	ug/L	99
123) sec-butylbenzene	14.70	105	649833	97.37	ug/L	99
124) 1,3-dichlorobenzene	14.86	146	279914	102.09	ug/L	99
125) p-isopropyltoluene	14.82	119	546150	101.08	ug/L	99
126) 1,4-dichlorobenzene	14.94	146	292401	96.87	ug/L	99
127) 1,2-dichlorobenzene	15.29	146	277801	101.37	ug/L	98
128) benzyl chloride	15.05	91	300647	114.97	ug/L	100
129) 1,4-Diethylbenzene	15.18	119	338119	108.97	ug/L	99
130) n-butylbenzene	15.21	92	277888	107.45	ug/L	97
131) 1,2,4,5-Tetramethylbenzene	15.88	119	541672	112.52	ug/L	99
132) 1,2-dibromo-3-chloropropan	15.98	75	25558	103.74	ug/L	98
133) 1,3,5-trichlorobenzene	16.14	180	249171	109.11	ug/L	100
134) 1,2,4-trichlorobenzene	16.65	180	223219	113.34	ug/L	100
135) hexachlorobutadiene	16.75	225	120768	102.57	ug/L	98
136) naphthalene	16.87	128	417119	103.21	ug/L	100
137) 1,2,3-trichlorobenzene	17.07	180	200984	113.10	ug/L	99
138) hexachloroethane	15.52	201	91661	104.85	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103258.D
 Acq On : 1 Sep 2010 1:27 pm
 Operator : alexm1
 Sample : IC4387-100
 Misc : MS1403,VY4387,5,,,1
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 02 09:15:38 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103259.D
 Acq On : 1 Sep 2010 1:57 pm
 Operator : alexm1
 Sample : IC4387-200
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 02 09:16:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.60	65	51822	500.00	ug/L	0.02
4) pentafluorobenzene	8.09	168	102212	50.00	ug/L	-0.01
59) 1,4-difluorobenzene	9.09	114	168427	50.00	ug/L	0.00
92) chlorobenzene-d5	12.49	117	155218	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	77196	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.08	113	207359	192.25	ug/L	-0.01
Spiked Amount	50.000	Range	67 - 127	Recovery	=	384.50%#
54) 1,2-dichloroethane-d4 (s)	8.53	65	223165	186.00	ug/L	-0.01
Spiked Amount	50.000	Range	65 - 132	Recovery	=	372.00%#
84) toluene-d8 (s)	10.85	98	836761	183.52	ug/L	-0.01
Spiked Amount	50.000	Range	74 - 129	Recovery	=	367.04%#
109) 4-bromofluorobenzene (s)	13.75	95	326685	183.28	ug/L	0.00
Spiked Amount	50.000	Range	62 - 138	Recovery	=	366.56%#

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.71	59	200664	1078.11	ug/L	95
3) 1,4-dioxane	9.86	88	66714	5013.29	ug/L #	82
10) chlorodifluoromethane	2.54	51	257824	204.99	ug/L	97
11) dichlorodifluoromethane	2.53	85	318080	206.59	ug/L	97
12) chloromethane	2.73	50	378341	198.19	ug/L	99
15) vinyl chloride	2.91	62	335032	207.07	ug/L	98
17) bromomethane	3.35	94	168394	161.28	ug/L	98
18) chloroethane	3.50	64	196745	205.20	ug/L	99
20) trichlorofluoromethane	3.92	101	343314	205.90	ug/L	98
21) Pentane	3.99	43	408513	196.76	ug/L	99
22) ethyl ether	4.33	74	157985	193.66	ug/L	97
27) 1,1-dichloroethene	4.72	96	213796	199.42	ug/L	97
28) acetone	4.84	58	19578	52.67	ug/L #	92
29) allyl chloride	5.28	78	45773	201.45	ug/L	87
30) acetonitrile	5.28	40	182263	2036.54	ug/L	97
31) iodomethane	4.98	142	386649	205.10	ug/L	100
33) carbon disulfide	5.09	76	770423	197.80	ug/L	99
34) methylene chloride	5.50	84	249313	192.58	ug/L	99
35) methyl acetate	5.32	43	170045	197.97	ug/L	98
36) methyl tert butyl ether	5.88	73	631088	194.55	ug/L	100
37) trans-1,2-dichloroethene	5.90	96	233443	197.02	ug/L	99
38) di-isopropyl ether	6.58	45	814473	193.15	ug/L #	54
39) 2-butanone	7.43	72	26394	216.29	ug/L	43
40) 1,1-dichloroethane	6.53	63	441526	203.54	ug/L	99
41) chloroprene	6.66	53	288854	194.53	ug/L	97
42) acrylonitrile	5.87	53	388766	986.49	ug/L	96
44) ethyl tert-butyl ether	7.11	59	677342	203.44	ug/L	99
46) 2,2-dichloropropane	7.37	77	338677	196.64	ug/L	98
47) cis-1,2-dichloroethene	7.39	96	257893	200.22	ug/L	99
48) propionitrile	7.50	54	309740	2021.56	ug/L	95
49) bromochloromethane	7.74	128	118667	209.10	ug/L	96
50) tetrahydrofuran	7.80	42	76336	199.03	ug/L	97
51) chloroform	7.85	83	385353	191.00	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103259.D
 Acq On : 1 Sep 2010 1:57 pm
 Operator : alexm1
 Sample : IC4387-200
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 02 09:16:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) tert-butyl formate	7.89	59	181292	200.34	ug/L #	99
55) freon 113	4.73	151	173446	198.69	ug/L	98
56) methacrylonitrile	7.71	67	89118	214.49	ug/L	98
57) 1,1,1-trichloroethane	8.09	97	331050	198.03	ug/L	99
58) Cyclohexane	8.15	84	377157	174.75	ug/L	98
60) epichlorohydrin	10.46	57	115626	924.65	ug/L	97
61) n-butyl alcohol	8.22	56	522037	10000.05	ug/L	99
62) carbon tetrachloride	8.32	117	281852	184.24	ug/L	98
63) 1,1-dichloropropene	8.31	75	319195	192.21	ug/L	100
64) hexane	6.26	86	61023	202.81	ug/L	97
66) benzene	8.59	78	965381	186.24	ug/L	98
67) 2,2,4-trimethylpentane	8.64	57	876929	178.75	ug/L	97
68) tert-amyl methyl ether	8.70	73	587189	177.81	ug/L	94
69) heptane	8.87	57	241982	206.68	ug/L	95
70) isopropyl acetate	8.63	61	119180	185.53	ug/L #	85
71) 1,2-dichloroethane	8.63	62	262841	196.18	ug/L	98
73) trichloroethene	9.42	95	235523	195.30	ug/L	99
75) 2-nitropropane	10.29	41	49787	197.19	ug/L	87
76) 2-chloroethyl vinyl ether	10.35	63	550954	1042.29	ug/L	99
77) ethyl acrylate	9.63	55	324300	184.99	ug/L #	99
78) methyl methacrylate	9.80	69	168881	201.32	ug/L	96
79) 1,2-dichloropropane	9.69	63	257941	196.30	ug/L	100
80) dibromomethane	9.86	93	127476	192.50	ug/L	98
81) methylcyclohexane	9.63	83	419399	190.70	ug/L	99
82) bromodichloromethane	10.04	83	308912	197.32	ug/L	97
83) cis-1,3-dichloropropene	10.55	75	420854	198.85	ug/L	99
85) 4-methyl-2-pentanone	10.70	58	94836	200.06	ug/L	99
86) toluene	10.93	92	603242	190.27	ug/L	99
87) 3-methyl-1-butanol	10.78	55	242373	3979.87	ug/L	99
88) trans-1,3-dichloropropene	11.19	75	374898	208.52	ug/L	99
89) ethyl methacrylate	11.23	69	321060	197.25	ug/L	99
90) 1,1,2-trichloroethane	11.40	83	172687	198.19	ug/L	99
91) 2-hexanone	11.64	58	94418	188.40	ug/L	98
93) tetrachloroethene	11.56	164	212209	200.32	ug/L	99
94) 1,3-dichloropropane	11.59	76	354915	190.17	ug/L	99
95) butyl acetate	11.75	56	158746	197.99	ug/L	94
96) 3,3-dimethyl-1-butanol	11.86	57	272485	1980.23	ug/L	97
97) dibromochloromethane	11.86	129	231097	197.18	ug/L	99
98) 1,2-dibromoethane	12.00	107	206148	205.11	ug/L	99
99) chlorobenzene	12.52	112	694802	192.47	ug/L	99
101) 1,1,1,2-tetrachloroethane	12.59	131	235908	190.67	ug/L	98
102) ethylbenzene	12.60	91	1121473	184.70	ug/L	98
103) m,p-xylene	12.73	106	884658	368.49	ug/L	97
104) o-xylene	13.16	106	456120	191.22	ug/L	98
105) styrene	13.19	104	765205	193.52	ug/L	100
106) bromoform	13.44	173	168771	204.51	ug/L	100
108) isopropylbenzene	13.54	105	1171027	183.21	ug/L	99
110) cyclohexanone	13.69	55	295427	1182.76	ug/L	99
111) bromobenzene	13.93	156	295129	194.55	ug/L	98
112) 1,1,2,2-tetrachloroethane	13.89	83	282940	186.09	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103259.D
 Acq On : 1 Sep 2010 1:57 pm
 Operator : alexm1
 Sample : IC4387-200
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 02 09:16:42 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
113) trans-1,4-dichloro-2-buten	13.93	53	73959	196.66	ug/L #	72
114) 1,2,3-trichloropropane	13.94	110	71207	184.05	ug/L #	77
115) n-propylbenzene	13.98	91	1328946	183.67	ug/L	99
116) 4-Ethyltoluene	14.09	105	1111789	199.29	ug/L	96
117) 2-chlorotoluene	14.11	126	271078	184.65	ug/L	99
118) 4-chlorotoluene	14.22	91	822062	181.89	ug/L	99
119) 1,3,5-trimethylbenzene	14.15	105	929518	168.49	ug/L	99
120) tert-butylbenzene	14.48	119	857969	188.87	ug/L	99
121) pentachloroethane	14.55	167	182637	188.94	ug/L	98
122) 1,2,4-trimethylbenzene	14.53	105	975092	186.73	ug/L	100
123) sec-butylbenzene	14.70	105	1292994	187.17	ug/L	98
124) 1,3-dichlorobenzene	14.85	146	553187	194.92	ug/L	99
125) p-isopropyltoluene	14.82	119	1094977	195.77	ug/L	99
126) 1,4-dichlorobenzene	14.94	146	581044	185.96	ug/L	99
127) 1,2-dichlorobenzene	15.29	146	548851	193.48	ug/L	98
128) benzyl chloride	15.05	91	581812	214.94	ug/L	99
129) 1,4-Diethylbenzene	15.18	119	679843	211.66	ug/L	99
130) n-butylbenzene	15.21	92	558099	208.47	ug/L	97
131) 1,2,4,5-Tetramethylbenzene	15.88	119	1074041	215.53	ug/L	100
132) 1,2-dibromo-3-chloropropan	15.98	75	51144	200.54	ug/L	97
133) 1,3,5-trichlorobenzene	16.14	180	505473	213.83	ug/L	99
134) 1,2,4-trichlorobenzene	16.65	180	450394	220.92	ug/L	98
135) hexachlorobutadiene	16.75	225	236680	194.20	ug/L	96
136) naphthalene	16.86	128	841911	198.87	ug/L	99
137) 1,2,3-trichlorobenzene	17.06	180	398288	216.53	ug/L	99
138) hexachloroethane	15.52	201	189134	209.01	ug/L	98

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

6.6.19



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103262.D
 Acq On : 1 Sep 2010 4:29 pm
 Operator : alexm1
 Sample : IC4387-10
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 02 09:18:12 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.60	65	48988	500.00	ug/L	0.03
4) pentafluorobenzene	8.11	168	107789	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	169992	50.00	ug/L	0.00
92) chlorobenzene-d5	12.49	117	150744	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	73704	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.10	113	12001	10.55	ug/L	0.01
Spiked Amount 50.000	Range 67 - 127		Recovery =	21.10%#		
54) 1,2-dichloroethane-d4 (s)	8.56	65	14076	11.12	ug/L	0.02
Spiked Amount 50.000	Range 65 - 132		Recovery =	22.24%#		
84) toluene-d8 (s)	10.87	98	50325	10.94	ug/L	0.02
Spiked Amount 50.000	Range 74 - 129		Recovery =	21.88%#		
109) 4-bromofluorobenzene (s)	13.77	95	19494	11.46	ug/L	0.01
Spiked Amount 50.000	Range 62 - 138		Recovery =	22.92%#		

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.75	59	8875	50.44	ug/L	95
3) 1,4-dioxane	9.91	88	2132	257.56	ug/L #	1
10) chlorodifluoromethane	2.54	51	15004	11.31	ug/L	92
11) dichlorodifluoromethane	2.53	85	16403	10.10	ug/L	99
12) chloromethane	2.71	50	20950	10.41	ug/L	100
15) vinyl chloride	2.89	62	17724	10.39	ug/L	97
17) bromomethane	3.39	94	11585	10.52	ug/L	97
18) chloroethane	3.55	64	10540	10.42	ug/L	96
20) trichlorofluoromethane	3.92	101	18107	10.30	ug/L	97
21) Pentane	4.02	43	22927	10.47	ug/L	97
22) ethyl ether	4.36	74	8647	10.05	ug/L	96
26) acrolein	4.62	56	21473	85.58	ug/L	99
27) 1,1-dichloroethene	4.74	96	12082	10.69	ug/L	98
28) acetone	4.90	58	1877	4.79	ug/L #	65
29) allyl chloride	5.31	78	2469	10.30	ug/L	84
30) acetonitrile	5.33	40	7438	78.81	ug/L #	59
31) iodomethane	5.00	142	21392	10.76	ug/L	95
33) carbon disulfide	5.12	76	44067	10.73	ug/L	98
34) methylene chloride	5.52	84	14416	10.56	ug/L	89
35) methyl acetate	5.42	43	6842m	8.26	ug/L	
36) methyl tert butyl ether	5.90	73	35303	10.32	ug/L	98
37) trans-1,2-dichloroethene	5.93	96	13466	10.78	ug/L	98
38) di-isopropyl ether	6.61	45	45181	10.16	ug/L	98
39) 2-butanone	7.56	72	1391	10.81	ug/L	56
40) 1,1-dichloroethane	6.55	63	24354	10.65	ug/L	97
41) chloroprene	6.69	53	16410	10.48	ug/L	95
42) acrylonitrile	5.96	53	19391	46.66	ug/L	97
44) ethyl tert-butyl ether	7.13	59	36247	10.32	ug/L	97
46) 2,2-dichloropropane	7.38	77	19364	10.66	ug/L	99
47) cis-1,2-dichloroethene	7.43	96	14804	10.90	ug/L	92
48) propionitrile	7.59	54	14237	88.11	ug/L	92
49) bromochloromethane	7.77	128	6402	10.70	ug/L	94
50) tetrahydrofuran	7.85	42	4493	10.27	ug/L	85

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103262.D
 Acq On : 1 Sep 2010 4:29 pm
 Operator : alexm1
 Sample : IC4387-10
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 02 09:18:12 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.87	83	22440	10.55	ug/L	96
52) tert-butyl formate	7.91	59	8998	9.43	ug/L #	99
55) freon 113	4.74	151	9079	9.86	ug/L	92
56) methacrylonitrile	7.80	67	3009	6.87	ug/L #	79
57) 1,1,1-trichloroethane	8.10	97	18800	10.66	ug/L	78
58) Cyclohexane	8.16	84	25168	11.06	ug/L	99
60) epichlorohydrin	10.52	57	5001	39.62	ug/L	92
61) n-butyl alcohol	8.24	56	28627	543.33	ug/L	99
62) carbon tetrachloride	8.33	117	15948	10.33	ug/L	99
63) 1,1-dichloropropene	8.33	75	18123	10.81	ug/L	99
64) hexane	6.28	86	3052	10.05	ug/L #	76
66) benzene	8.61	78	55394	10.59	ug/L	99
67) 2,2,4-trimethylpentane	8.65	57	52247	10.55	ug/L #	46
68) tert-amyl methyl ether	8.71	73	32864	9.86	ug/L	93
69) heptane	8.89	57	11754	9.95	ug/L	91
70) isopropyl acetate	8.69	61	5878	9.07	ug/L #	65
71) 1,2-dichloroethane	8.67	62	15186	11.23	ug/L	96
73) trichloroethene	9.44	95	12853	10.56	ug/L	94
75) 2-nitropropane	10.33	41	2501	3.35	ug/L	98
76) 2-chloroethyl vinyl ether	10.39	63	22207	41.62	ug/L	96
77) ethyl acrylate	9.63	55	19084	10.79	ug/L #	96
78) methyl methacrylate	9.87	69	7943	9.38	ug/L	94
79) 1,2-dichloropropane	9.71	63	14320	10.80	ug/L	96
80) dibromomethane	9.90	93	6726	10.06	ug/L	94
81) methylcyclohexane	9.64	83	22751	10.25	ug/L	96
82) bromodichloromethane	10.06	83	16731	10.59	ug/L	93
83) cis-1,3-dichloropropene	10.58	75	23166	10.85	ug/L	93
85) 4-methyl-2-pentanone	10.75	58	3999	9.66	ug/L	89
86) toluene	10.95	92	35033	10.95	ug/L	99
87) 3-methyl-1-butanol	10.85	55	10688	173.89	ug/L	79
88) trans-1,3-dichloropropene	11.22	75	19022	10.48	ug/L	97
89) ethyl methacrylate	11.28	69	16830	10.24	ug/L	97
90) 1,1,2-trichloroethane	11.42	83	9200	10.46	ug/L	99
91) 2-hexanone	11.73	58	6735	13.32	ug/L	97
93) tetrachloroethene	11.57	164	11411	11.09	ug/L	99
94) 1,3-dichloropropane	11.61	76	19654	10.84	ug/L	98
95) butyl acetate	11.82	56	5304	8.54	ug/L #	65
96) 3,3-dimethyl-1-butanol	11.90	57	12699	95.03	ug/L #	89
97) dibromochloromethane	11.88	129	12102	10.63	ug/L	94
98) 1,2-dibromoethane	12.02	107	10309	10.56	ug/L	94
99) chlorobenzene	12.54	112	37077	10.58	ug/L	96
101) 1,1,1,2-tetrachloroethane	12.60	131	13010	10.83	ug/L	95
102) ethylbenzene	12.62	91	63347	10.74	ug/L	99
103) m,p-xylene	12.74	106	49398	21.19	ug/L	98
104) o-xylene	13.18	106	25434	10.98	ug/L	100
105) styrene	13.21	104	42430	11.05	ug/L	99
106) bromoform	13.45	173	7869	9.82	ug/L	97
108) isopropylbenzene	13.55	105	65755	10.78	ug/L	98
110) cyclohexanone	13.70	55	34091	142.95	ug/L	98
111) bromobenzene	13.95	156	15940	11.01	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103262.D
 Acq On : 1 Sep 2010 4:29 pm
 Operator : alexm1
 Sample : IC4387-10
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 02 09:18:12 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 01 17:12:43 2010
 Response via : Initial Calibration

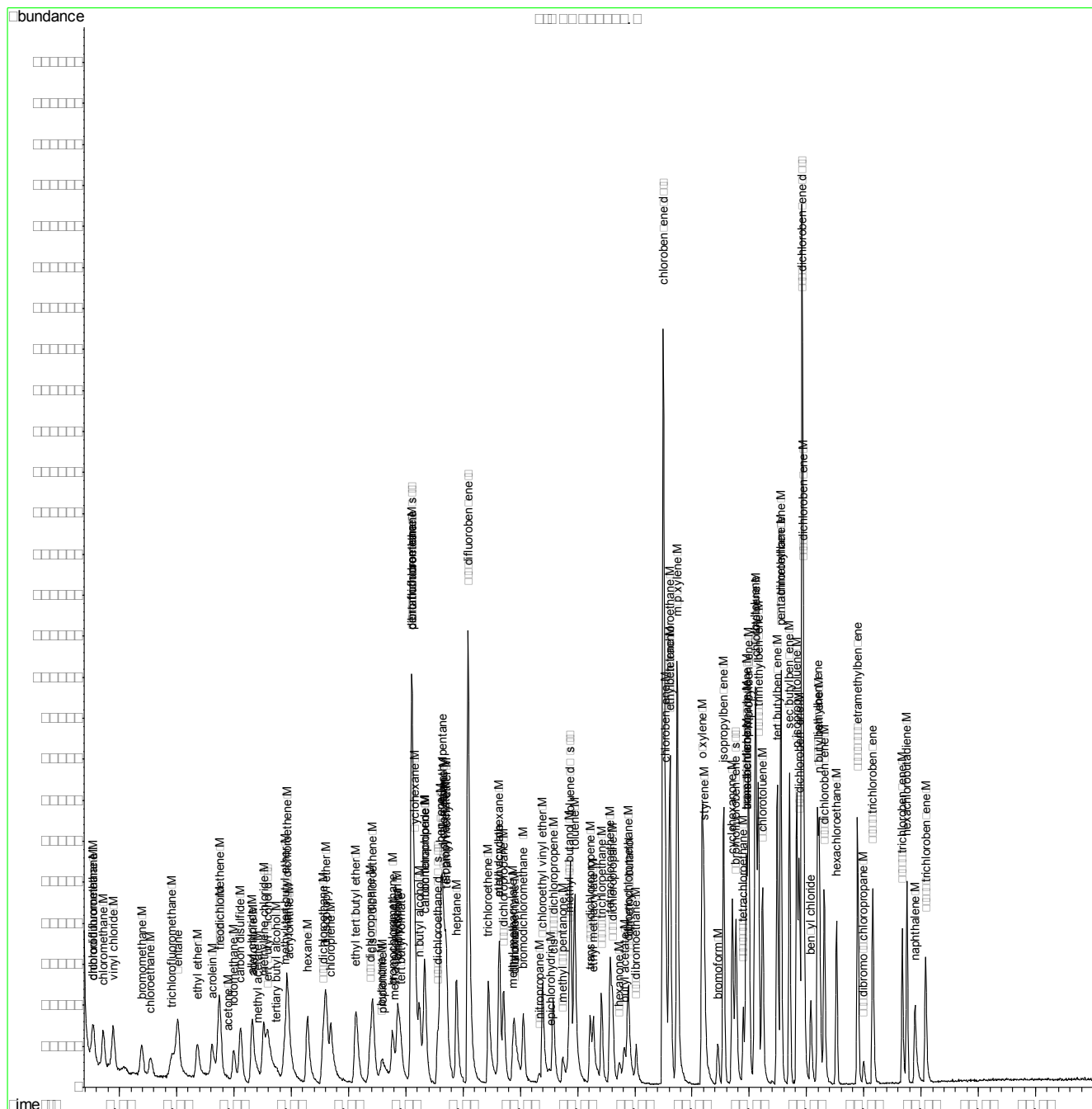
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
112) 1,1,2,2-tetrachloroethane	13.89	83	14750	10.16	ug/L	97
113) trans-1,4-dichloro-2-buten	13.96	53	3483	9.70	ug/L #	87
114) 1,2,3-trichloropropane	13.95	110	3788	10.25	ug/L #	83
115) n-propylbenzene	13.99	91	75101	10.87	ug/L	100
116) 4-Ethyltoluene	14.10	105	57742	10.84	ug/L	96
117) 2-chlorotoluene	14.12	126	15121	10.79	ug/L	94
118) 4-chlorotoluene	14.23	91	44685	10.36	ug/L	98
119) 1,3,5-trimethylbenzene	14.16	105	54780	10.40	ug/L	97
120) tert-butylbenzene	14.49	119	46294	10.67	ug/L	99
121) pentachloroethane	14.56	167	9856	10.68	ug/L	98
122) 1,2,4-trimethylbenzene	14.55	105	53090	10.65	ug/L	99
123) sec-butylbenzene	14.70	105	70312	10.66	ug/L	100
124) 1,3-dichlorobenzene	14.87	146	29865	11.02	ug/L	98
125) p-isopropyltoluene	14.83	119	57066	10.69	ug/L	99
126) 1,4-dichlorobenzene	14.95	146	31537	10.57	ug/L	98
127) 1,2-dichlorobenzene	15.31	146	29186	10.78	ug/L	100
128) benzyl chloride	15.07	91	24614	9.52	ug/L	98
129) 1,4-Diethylbenzene	15.19	119	32175	10.49	ug/L	99
130) n-butylbenzene	15.22	92	27831	10.89	ug/L	96
131) 1,2,4,5-Tetramethylbenzene	15.89	119	49958	10.50	ug/L	99
132) 1,2-dibromo-3-chloropropan	15.99	75	2100	8.62	ug/L	89
133) 1,3,5-trichlorobenzene	16.16	180	24040	10.65	ug/L	100
134) 1,2,4-trichlorobenzene	16.67	180	18372	9.44	ug/L	98
135) hexachlorobutadiene	16.76	225	13128	11.28	ug/L	100
136) naphthalene	16.89	128	31861	10.30	ug/L	98
137) 1,2,3-trichlorobenzene	17.08	180	16465	9.38	ug/L	99
138) hexachloroethane	15.52	201	9263	10.72	ug/L	98

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

Quantitation Report (QT Reviewed)

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Data Path   : C:\MSDCHEM\1\DATA\  
Data File  : Y103262.D  
Acq On     : 1 Sep 2010    4:29 pm  
Operator   : alexm1  
Sample     : IC4387-10  
Misc       : MS1403,VY4387,5,,,,,1  
ALS Vial   : 13    Sample Multiplier: 1
```

Quant Time: Sep 02 09:18:12 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 01 17:12:43 2010
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: VY4387-IC4387

Method: SW846 8260B

Lab FileID: Y103262.D

Analyst approved: 09/02/10 09:51 Ho Joong Kim

Injection Time: 09/01/10 16:29

Supervisor approved: 09/08/10 17:34 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Acetate	79-20-9		5.42	Poor instrument integration

6.6.20.1
6

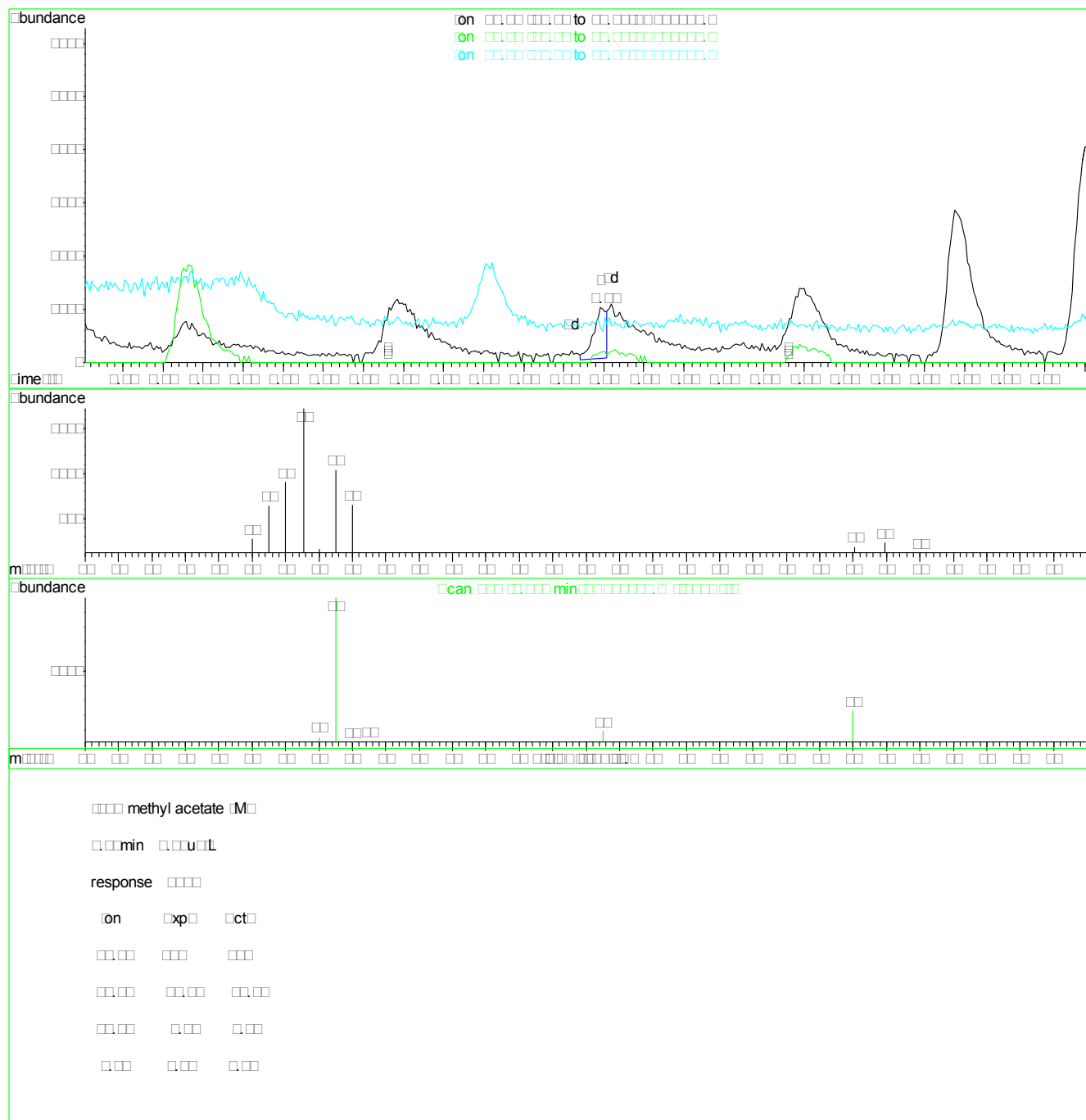
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103262.D Vial: 13
Acq On : 1 Sep 2010 4:29 pm Operator: alexm1
Sample : IC4387-10 Inst : MSY
Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:14:05 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 09:14:54 2010
Response via : Multiple Level Calibration



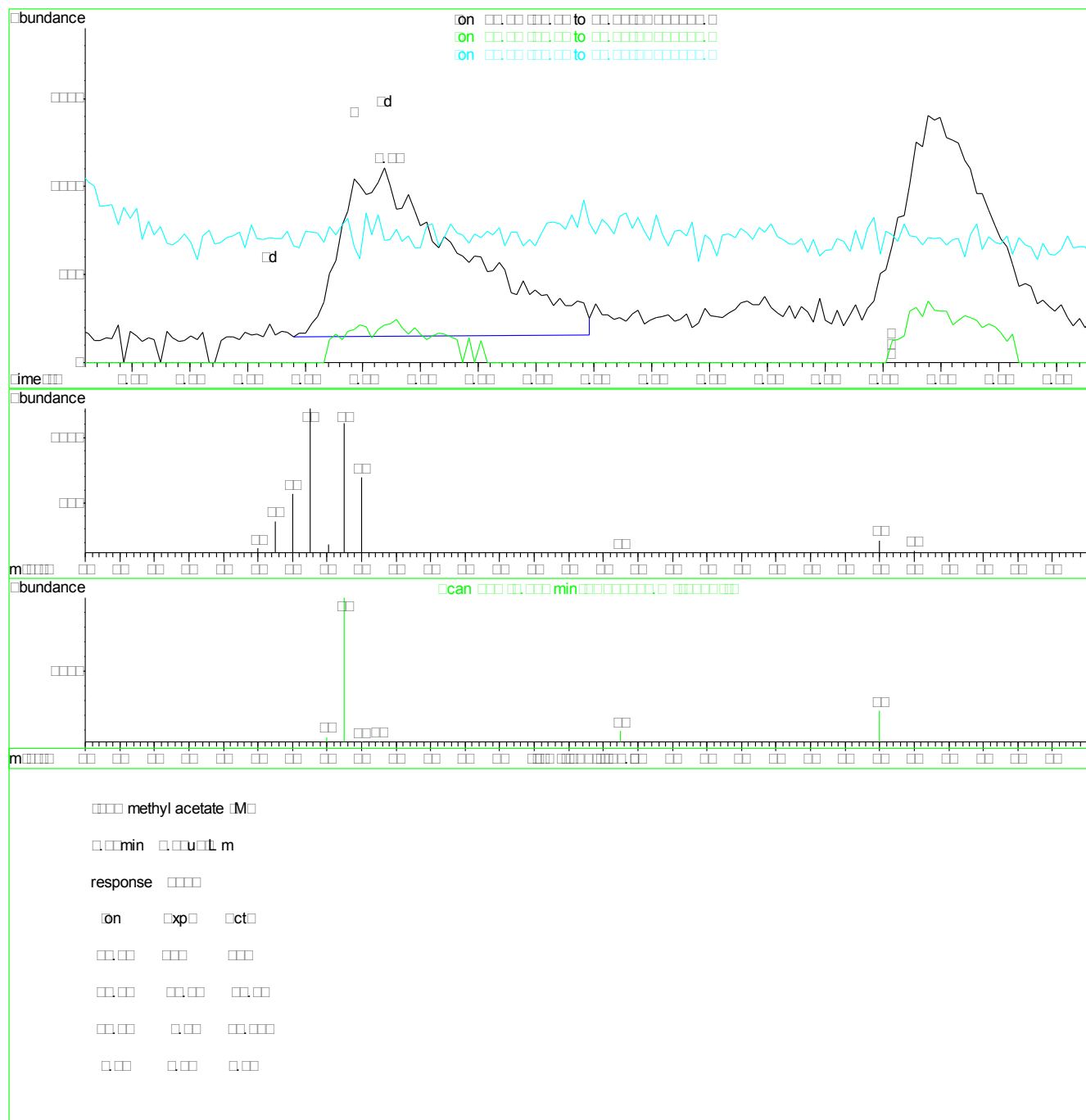
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\Y103262.D Vial: 13
Acq On : 1 Sep 2010 4:29 pm Operator: alexm1
Sample : IC4387-10 Inst : MSY
Misc : MS1403,VY4387,5,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Quant Time: Sep 01 17:14:05 2010

Results File: MYS4387.RES

Method : C:\MSDCHEM\1\METHODS\MYS4387.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
Last Update : Thu Sep 02 09:14:54 2010
Response via : Multiple Level Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103264.D
 Acq On : 1 Sep 2010 6:00 pm
 Operator : alexm1
 Sample : ICv4387-50
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 16:04:27 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.58	65	44699	500.00	ug/L	0.00
4) pentafluorobenzene	8.10	168	108748	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	172260	50.00	ug/L	0.00
92) chlorobenzene-d5	12.50	117	150710	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	72498	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.08	113	55818	48.51	ug/L	0.00
Spiked Amount 50.000	Range 67 - 127		Recovery =	97.02%		
54) 1,2-dichloroethane-d4 (s)	8.54	65	62751	49.12	ug/L	0.00
Spiked Amount 50.000	Range 65 - 132		Recovery =	98.24%		
84) toluene-d8 (s)	10.86	98	236006	50.52	ug/L	0.00
Spiked Amount 50.000	Range 74 - 129		Recovery =	101.04%		
109) 4-bromofluorobenzene (s)	13.76	95	85355	50.70	ug/L	0.00
Spiked Amount 50.000	Range 62 - 138		Recovery =	101.40%		

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.72	59	48341	298.51	ug/L	97
3) 1,4-dioxane	9.87	88	14759	1355.39	ug/L	91
10) chlorodifluoromethane	2.54	51	76429	54.14	ug/L	98
11) dichlorodifluoromethane	2.53	85	92018	54.47	ug/L	99
12) chloromethane	2.72	50	107969	53.04	ug/L	100
15) vinyl chloride	2.90	62	96622	56.05	ug/L	97
17) bromomethane	3.38	94	60591	53.67	ug/L	97
18) chloroethane	3.54	64	57928	54.73	ug/L	99
20) trichlorofluoromethane	3.94	101	101534	55.34	ug/L	99
21) Pentane	4.01	43	117549	51.79	ug/L	100
22) ethyl ether	4.35	74	41158	47.55	ug/L	99
26) acrolein	4.60	56	112573	452.62	ug/L	96
27) 1,1-dichloroethene	4.74	96	61885	54.00	ug/L	98
28) acetone	4.85	58	6275	42.11	ug/L #	70
29) allyl chloride	5.30	78	12835	52.65	ug/L	89
30) acetonitrile	5.30	40	43743	472.75	ug/L #	85
31) iodomethane	4.99	142	107336	53.28	ug/L	99
33) carbon disulfide	5.10	76	224076	55.25	ug/L	99
34) methylene chloride	5.51	84	68242	49.39	ug/L	99
35) methyl acetate	5.35	43	45070	51.11	ug/L	97
36) methyl tert butyl ether	5.88	73	162006	47.86	ug/L	98
37) trans-1,2-dichloroethene	5.91	96	68372	54.08	ug/L	99
38) di-isopropyl ether	6.59	45	221817	48.85	ug/L	98
39) 2-butanone	7.47	72	6467	44.64	ug/L	94
40) 1,1-dichloroethane	6.54	63	123634	53.48	ug/L	99
41) chloroprene	6.67	53	85760	52.43	ug/L	99
42) acrylonitrile	5.90	53	98204	237.12	ug/L	96
44) ethyl tert butyl ether	7.12	59	168565	45.60	ug/L	99
46) 2,2-dichloropropane	7.38	77	97637	53.10	ug/L	98
47) cis-1,2-dichloroethene	7.41	96	72289	52.51	ug/L	98
48) propionitrile	7.52	54	74857	466.44	ug/L	99
49) bromochloromethane	7.75	128	31081	49.15	ug/L	96
50) tetrahydrofuran	7.82	42	17892	43.11	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103264.D
 Acq On : 1 Sep 2010 6:00 pm
 Operator : alexm1
 Sample : ICv4387-50
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 16:04:27 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.85	83	108932	51.36	ug/L	99
52) tert-butyl formate	7.89	59	42885	44.79	ug/L #	99
55) freon 113	4.74	151	49494	53.47	ug/L	99
56) methacrylonitrile	7.75	67	20253	44.46	ug/L	96
57) 1,1,1-trichloroethane	8.10	97	94603	53.11	ug/L	98
58) Cyclohexane	8.16	84	111347	48.33	ug/L	98
60) epichlorohydrin	10.48	57	26040	214.37	ug/L	95
61) n-butyl alcohol	8.23	56	142882	2637.82	ug/L	98
62) carbon tetrachloride	8.32	117	80398	51.51	ug/L	97
63) 1,1-dichloropropene	8.32	75	92143	54.13	ug/L	98
64) hexane	6.27	86	17639	56.91	ug/L	98
66) benzene	8.60	78	272497	51.40	ug/L	100
67) 2,2,4-trimethylpentane	8.64	57	255737	51.32	ug/L	91
68) tert-amyl methyl ether	8.70	73	145137	43.24	ug/L	96
69) heptane	8.87	57	61708	51.77	ug/L	96
70) isopropyl acetate	8.65	61	31119	48.40	ug/L	99
71) 1,2-dichloroethane	8.64	62	70986	51.79	ug/L	98
73) trichloroethene	9.43	95	66760	54.15	ug/L	98
76) 2-chloroethyl vinyl ether	10.36	63	124723	234.95	ug/L	99
77) ethyl acrylate	9.63	55	94211	51.17	ug/L #	99
78) methyl methacrylate	9.82	69	41390	48.18	ug/L	98
79) 1,2-dichloropropane	9.70	63	70290	52.26	ug/L	100
80) dibromomethane	9.87	93	33366	49.56	ug/L	94
81) methylcyclohexane	9.63	83	118434	53.11	ug/L	98
82) bromodichloromethane	10.04	83	81418	50.81	ug/L	96
83) cis-1,3-dichloropropene	10.56	75	110577	49.62	ug/L	97
85) 4-methyl-2-pentanone	10.71	58	22234	46.94	ug/L	98
86) toluene	10.94	92	170472	52.42	ug/L	98
87) 3-methyl-1-butanol	10.80	55	55778	851.67	ug/L	97
88) trans-1,3-dichloropropene	11.20	75	95188	50.11	ug/L	99
89) ethyl methacrylate	11.25	69	79800	47.21	ug/L	99
90) 1,1,2-trichloroethane	11.41	83	43354	48.76	ug/L	98
91) 2-hexanone	11.66	58	23110	44.13	ug/L	95
93) tetrachloroethene	11.56	164	59202	57.64	ug/L	98
94) 1,3-dichloropropane	11.60	76	93009	51.45	ug/L	99
95) butyl acetate	11.77	56	34280	45.67	ug/L	96
96) 3,3-dimethyl-1-butanol	11.87	57	59351	442.26	ug/L	99
97) dibromochloromethane	11.87	129	59009	51.92	ug/L	99
98) 1,2-dibromoethane	12.01	107	51321	52.89	ug/L	100
99) chlorobenzene	12.53	112	184896	53.89	ug/L	100
101) 1,1,1,2-tetrachloroethane	12.60	131	62813	52.08	ug/L	99
102) ethylbenzene	12.61	91	318397	54.71	ug/L	98
103) m,p-xylene	12.73	106	245581	105.66	ug/L	100
104) o-xylene	13.17	106	124336	53.52	ug/L	99
105) styrene	13.19	104	206719	53.76	ug/L	97
106) bromoform	13.44	173	39888	48.69	ug/L	99
108) isopropylbenzene	13.55	105	327929	55.17	ug/L	100
111) bromobenzene	13.93	156	77028	53.92	ug/L	99
112) 1,1,2,2-tetrachloroethane	13.89	83	68608	48.78	ug/L	99
113) trans-1,4-dichloro-2-buten	13.94	53	18122	51.77	ug/L #	83

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y103264.D
 Acq On : 1 Sep 2010 6:00 pm
 Operator : alexm1
 Sample : ICv4387-50
 Misc : MS1403,VY4387,5,,,,,1
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 08 16:04:27 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) 1,2,3-trichloropropane	13.94	110	18042	50.16	ug/L	92
115) n-propylbenzene	13.98	91	371505	55.17	ug/L	99
116) 4-Ethyltoluene	14.10	105	294375	54.21	ug/L	98
117) 2-chlorotoluene	14.11	126	73715	53.44	ug/L	99
118) 4-chlorotoluene	14.22	91	217952	51.36	ug/L	99
119) 1,3,5-trimethylbenzene	14.15	105	264231	52.42	ug/L	100
120) tert-butylbenzene	14.49	119	230354	54.43	ug/L	100
121) pentachloroethane	14.55	167	46946	51.71	ug/L	98
122) 1,2,4-trimethylbenzene	14.54	105	262340	53.92	ug/L	99
123) sec-butylbenzene	14.70	105	356537	54.79	ug/L	99
124) 1,3-dichlorobenzene	14.86	146	145840	55.19	ug/L	99
125) p-isopropyltoluene	14.82	119	291951	55.43	ug/L	99
126) 1,4-dichlorobenzene	14.94	146	149622	50.72	ug/L	99
127) 1,2-dichlorobenzene	15.30	146	140224	53.91	ug/L	99
128) benzyl chloride	15.06	91	133466	49.85	ug/L	100
129) 1,4-Diethylbenzene	15.18	119	174999	55.76	ug/L	99
130) n-butylbenzene	15.21	92	148541	57.59	ug/L	99
131) 1,2,4,5-Tetramethylbenzene	15.88	119	269192	55.23	ug/L	100
132) 1,2-dibromo-3-chloropropan	15.99	75	11525	49.31	ug/L	97
133) 1,3,5-trichlorobenzene	16.15	180	126178	56.61	ug/L	100
134) 1,2,4-trichlorobenzene	16.66	180	105392	54.90	ug/L	99
135) hexachlorobutadiene	16.75	225	65282	56.75	ug/L	97
136) naphthalene	16.87	128	183684	48.02	ug/L	99
137) 1,2,3-trichlorobenzene	17.07	180	92825	53.66	ug/L	97
138) hexachloroethane	15.52	201	47771	55.83	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104434.D
 Acq On : 7 Oct 2010 8:22 pm
 Operator : alexm1
 Sample : CC4387-50
 Misc : MS3090,VY4442,5,,,1
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 11:49:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	5.57	65	50489	500.00	ug/L	0.00
4) pentafluorobenzene	8.10	168	121491	50.00	ug/L	0.00
59) 1,4-difluorobenzene	9.09	114	174634	50.00	ug/L	0.00
92) chlorobenzene-d5	12.49	117	168521	50.00	ug/L	0.00
107) 1,4-dichlorobenzene-d4	14.92	152	84576	50.00	ug/L	0.00

System Monitoring Compounds

53) dibromofluoromethane (s)	8.09	113	61827	48.10	ug/L	0.00
Spiked Amount 50.000	Range 67 - 127		Recovery =	96.20%		
54) 1,2-dichloroethane-d4 (s)	8.54	65	69306	48.56	ug/L	0.00
Spiked Amount 50.000	Range 65 - 132		Recovery =	97.12%		
84) toluene-d8 (s)	10.86	98	246939	52.14	ug/L	0.00
Spiked Amount 50.000	Range 74 - 129		Recovery =	104.28%		
109) 4-bromofluorobenzene (s)	13.75	95	95594	48.67	ug/L	0.00
Spiked Amount 50.000	Range 62 - 138		Recovery =	97.34%		

Target Compounds

						Qvalue
2) tertiary butyl alcohol	5.71	59	62318	340.69	ug/L	91
3) 1,4-dioxane	9.87	88	22487	1795.51	ug/L #	74
10) chlorodifluoromethane	2.55	51	60736	38.51	ug/L	97
11) dichlorodifluoromethane	2.54	85	96202	50.97	ug/L	97
12) chloromethane	2.73	50	119666	52.62	ug/L	99
15) vinyl chloride	2.91	62	100030	51.94	ug/L	98
17) bromomethane	3.38	94	69756	55.30	ug/L	99
18) chloroethane	3.54	64	61189	51.74	ug/L	98
20) trichlorofluoromethane	3.96	101	108345	52.86	ug/L	98
21) Pentane	4.01	43	86648	34.17	ug/L	99
22) ethyl ether	4.35	74	48914	50.59	ug/L	98
26) acrolein	4.59	56	166054	597.63	ug/L	94
27) 1,1-dichloroethene	4.73	96	58939	46.04	ug/L	94
28) acetone	4.85	58	6426	38.79	ug/L #	85
29) allyl chloride	5.30	78	12519	45.97	ug/L	94
30) acetonitrile	5.29	40	63593	615.19	ug/L #	69
31) iodomethane	5.00	142	119070	52.90	ug/L	99
33) carbon disulfide	5.10	76	206348	45.54	ug/L	98
34) methylene chloride	5.51	84	79416	51.45	ug/L	97
35) methyl acetate	5.35	43	55546	56.39	ug/L	97
36) methyl tert butyl ether	5.88	73	193364	51.13	ug/L	96
37) trans-1,2-dichloroethene	5.91	96	69753	49.39	ug/L	96
38) di-isopropyl ether	6.59	45	251867	49.65	ug/L	96
39) 2-butanone	7.46	72	8013	49.51	ug/L	62
40) 1,1-dichloroethane	6.54	63	128412	49.72	ug/L	97
41) chloroprene	6.68	53	77051	42.16	ug/L	99
42) acrylonitrile	5.90	53	132459	286.28	ug/L	97
44) ethyl tert butyl ether	7.12	59	193753	46.92	ug/L	98
46) 2,2-dichloropropane	7.38	77	89075	43.36	ug/L	96
47) cis-1,2-dichloroethene	7.41	96	81976	53.30	ug/L	93
48) propionitrile	7.52	54	102664	572.61	ug/L	98
49) bromochloromethane	7.75	128	41014	58.06	ug/L	87
50) tetrahydrofuran	7.82	42	22158	47.89	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104434.D
 Acq On : 7 Oct 2010 8:22 pm
 Operator : alexm1
 Sample : CC4387-50
 Misc : MS3090,VY4442,5,,,1
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 11:49:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) chloroform	7.85	83	121574	51.31	ug/L	99
52) tert-butyl formate	7.89	59	46114	43.11	ug/L #	95
55) freon 113	4.74	151	52057	50.34	ug/L	94
56) methacrylonitrile	7.74	67	27207	52.92	ug/L	91
57) 1,1,1-trichloroethane	8.10	97	94045	47.26	ug/L	98
58) Cyclohexane	8.16	84	101477	39.43	ug/L	94
60) epichlorohydrin	10.47	57	37605	305.37	ug/L	99
61) n-butyl alcohol	8.23	56	131432	2393.45	ug/L	98
62) carbon tetrachloride	8.32	117	80527	50.89	ug/L	99
63) 1,1-dichloropropene	8.32	75	85175	49.36	ug/L	96
64) hexane	6.27	86	14423	45.90	ug/L	96
66) benzene	8.60	78	291579	54.25	ug/L	98
67) 2,2,4-trimethylpentane	8.65	57	235896	46.69	ug/L	95
68) tert-amyl methyl ether	8.70	73	167749	49.30	ug/L	93
69) heptane	8.88	57	58470	48.39	ug/L	94
70) isopropyl acetate	8.65	61	40197	61.67	ug/L #	82
71) 1,2-dichloroethane	8.64	62	85758	61.72	ug/L	98
73) trichloroethene	9.43	95	70358	56.29	ug/L	94
76) 2-chloroethyl vinyl ether	10.36	63	133579	248.21	ug/L	98
77) ethyl acrylate	9.63	55	84345	45.19	ug/L #	100
78) methyl methacrylate	9.81	69	53861	61.84	ug/L	99
79) 1,2-dichloropropane	9.70	63	79756	58.49	ug/L	100
80) dibromomethane	9.87	93	44099	64.62	ug/L	96
81) methylcyclohexane	9.63	83	113045	50.01	ug/L	96
82) bromodichloromethane	10.04	83	97610	60.09	ug/L	98
83) cis-1,3-dichloropropene	10.55	75	128745	56.99	ug/L	97
85) 4-methyl-2-pentanone	10.71	58	29556	61.11	ug/L	96
86) toluene	10.93	92	182602	55.38	ug/L	98
87) 3-methyl-1-butanol	10.80	55	73381	1105.21	ug/L	96
88) trans-1,3-dichloropropene	11.19	75	113550	58.96	ug/L	97
89) ethyl methacrylate	11.24	69	96059	56.06	ug/L	98
90) 1,1,2-trichloroethane	11.40	83	58714	65.14	ug/L	99
91) 2-hexanone	11.66	58	27943	53.36	ug/L	99
93) tetrachloroethene	11.56	164	65694	57.20	ug/L	98
94) 1,3-dichloropropane	11.60	76	117759	58.25	ug/L	96
95) butyl acetate	11.76	56	45533	53.85	ug/L	100
96) 3,3-dimethyl-1-butanol	11.87	57	75305	501.83	ug/L	98
97) dibromochloromethane	11.87	129	80234	63.14	ug/L	98
98) 1,2-dibromoethane	12.01	107	69942	64.46	ug/L	97
99) chlorobenzene	12.52	112	215952	56.29	ug/L	97
101) 1,1,1,2-tetrachloroethane	12.59	131	77756	57.65	ug/L	98
102) ethylbenzene	12.61	91	334767	51.45	ug/L	97
103) m,p-xylene	12.73	106	266986	102.72	ug/L	96
104) o-xylene	13.16	106	141067	54.31	ug/L	97
105) styrene	13.19	104	239191	55.63	ug/L	99
106) bromoform	13.44	173	58262	63.61	ug/L	99
108) isopropylbenzene	13.54	105	349915	50.46	ug/L	99
111) bromobenzene	13.93	156	98918	59.36	ug/L	95
112) 1,1,2,2-tetrachloroethane	13.89	83	96709	58.94	ug/L	99
113) trans-1,4-dichloro-2-buten	13.94	53	21675	53.08	ug/L #	84

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
 Data File : Y104434.D
 Acq On : 7 Oct 2010 8:22 pm
 Operator : alexm1
 Sample : CC4387-50
 Misc : MS3090,VY4442,5,,,,,1
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 11:49:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
 Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
 QLast Update : Wed Sep 08 15:56:07 2010
 Response via : Initial Calibration

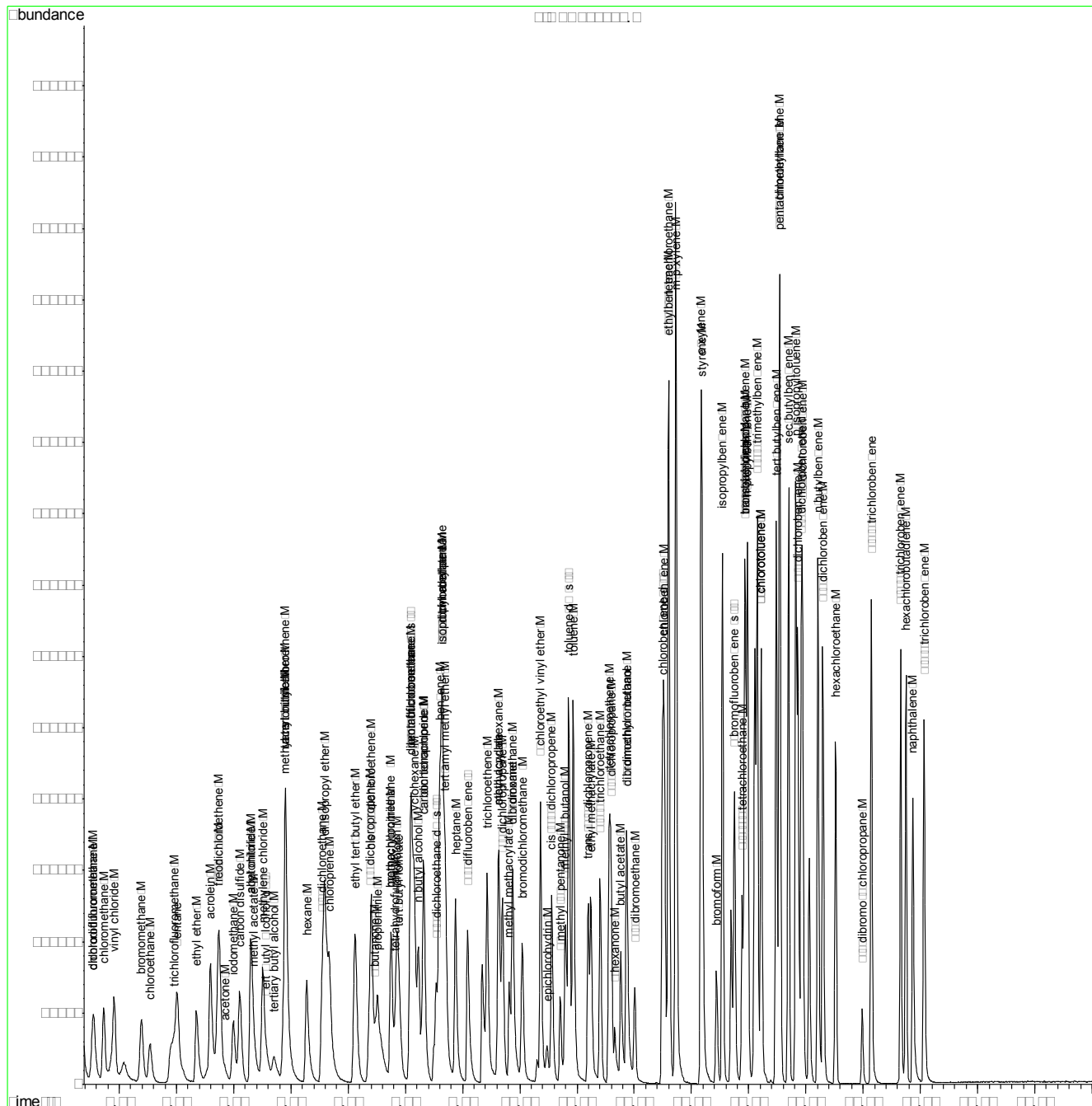
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
114) 1,2,3-trichloropropane	13.94	110	25709	61.27	ug/L #	72
115) n-propylbenzene	13.98	91	388354	49.44	ug/L	99
117) 2-chlorotoluene	14.22	126	84196	52.32	ug/L	88
118) 4-chlorotoluene	14.22	91	241780	48.84	ug/L	98
119) 1,3,5-trimethylbenzene	14.15	105	286196	48.67	ug/L	99
120) tert-butylbenzene	14.48	119	252769	51.20	ug/L	98
121) pentachloroethane	14.55	167	61152	57.73	ug/L	98
122) 1,2,4-trimethylbenzene	14.53	105	293094	51.63	ug/L	99
123) sec-butylbenzene	14.70	105	379586	50.00	ug/L	98
124) 1,3-dichlorobenzene	14.86	146	176083	57.12	ug/L	99
125) p-isopropyltoluene	14.82	119	315230	51.30	ug/L	98
126) 1,4-dichlorobenzene	14.94	146	183767	53.40	ug/L	98
127) 1,2-dichlorobenzene	15.30	146	183474	60.47	ug/L	98
130) n-butylbenzene	15.21	92	153571	51.04	ug/L	98
132) 1,2-dibromo-3-chloropropan	15.98	75	16308	59.81	ug/L	93
133) 1,3,5-trichlorobenzene	16.15	180	152628	58.69	ug/L	99
134) 1,2,4-trichlorobenzene	16.66	180	131371	58.66	ug/L	99
135) hexachlorobutadiene	16.75	225	73478	54.75	ug/L	95
136) naphthalene	16.87	128	239117	53.31	ug/L	100
137) 1,2,3-trichlorobenzene	17.07	180	121184	60.05	ug/L	99
138) hexachloroethane	15.52	201	56632	56.73	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y104434.D
Acq On : 7 Oct 2010 8:22 pm
Operator : alexm1
Sample : CC4387-50
Misc : MS3090,VY4442,5,,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 08 11:49:03 2010
Quant Method : C:\MSDCHEM\1\METHODS\MYS4387.M
Quant Title : Method SW846 8260B, ZB624 30m x 0.25mm x 1.4 um
QLast Update : Wed Sep 08 15:56:07 2010
Response via : Initial Calibration



Date: 9/16/10

 Print Analyst Name: Talisha Ginn

 Analyst Signature: [Signature]
Standard Data

Lot #	Description	Conc.
10802149	Ext A	100ppm
80020	C	↓
↓ 03	↓ Acrolein	1000ppm
8002134	Surr STD	100ppm

Standard Data

Lot #	Description	Conc.
10802001	INT ONLY	2512500ppm
1010802129	A	100ppm
↓ 139	B	↓
80011	C	↓
↓ 05	Acrolein	1000ppm

 Columns: 2B24 (60Mx0.25mmx4um)

 Method V8260

 Initial Cal. Method M3D2195

Annually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

 Supervisor Signature: [Signature]

 Date: 9/20/10

R	Data File	Sample ID	Test	M T X	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L +	I S	S U	Status (Data)	Comments	pH <2
	30150534	BFB											OK	9.17AM	
	50535	IC2195-1											OK	1.0ul "A+B+C+Acrolein+Surr/100ppm"	
	50536	IC2195-2											OK	2.0ul	"
	50537	IC2195-5											Not used	5.0ul	"
	50538	IC2195-0.5											↓	0.5ul	"
	50539	IC2195-10											OK	5ul "A+B+C+Acrolein+Surr/50ppm"	"
	50540	IC2195-20											OK	10ul	"
	50541	IC2195-50											OK	25ul	"
	50542	IC2195-50												25ul Surr+Ext A+Ext C+Ext AcP/50ppm	
	50543	IC2195-100											OK	50ul "A+B+C+Acrolein+Surr/50ppm"	"
	50544	IC2195-200											OK	100ul	"
	50545	IB													
	50546	IB													
	50547	IC2195-5											OK	5ul "A+B+C+Acrolein+Surr/100ppm"	"
	50548	IC2195-0.5											OK	0.5ul	"

TX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

If strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9

Rev. Date: 2/14/2007

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Date: 9/17/10

 Print Analyst Name: Talukaginn
 Analyst Signature: [Signature]
Standard Data

Lot #	Description	Conc.
W0802148	Ext A	100ppm
S00121	C	↓
↓ 03	Acetoin	100ppm
W0802148		

Standard Data

Lot #	Description	Conc.
W0802148	A	100ppm
↓ 139	B	↓
↓ 90421	C	↓
↓ 05	Acetoin	100ppm
W0802148	INT SU	25025ppm

 Columns: ZB624 (60M X 0.25mm i.d.)

 Method: V9260

 Initial Cal. Method: M3D2195

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

 Supervisor Signature: [Signature] Date: 9/21/10

R	Data File	Sample ID	Test	M T X	Vial #	ALS #	Sample Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L + S U	I S U	Status (Data)	Comments	pH < 2
	3450575	BFB										OK	9:02 AM	
	50576	CC 2195-20										OK	10pl A+B+C+Ac/50FV	
	50577	MB										OK		
	50578	BS										OK	25pl EX+A+Ext+C+Ext+Ac+FB/50FV	
	50579	Ja50372-1ms	2172 TCU110	W	5		5mL		1p			OK	25pl A+B+C+Ac/50FV	
	50580	Ja50372-1ms	↓	W	5		↓		↓			OK	↓	✓
	50581	IB										OK		
R	50582	Ja50372-1	2172 TCU110	W	5		5mL		1p			OK		✓
I	50583	Ja50372-2		W	17							OK		✓
I	50584	Ja50372-3		W	17							OK		✓
I	50585	Ja50372-4		W	17							OK		✓
↓	50586	Ja50372-5	↓	W	2		↓		↓			OK		✓
R	50587	Ja50372-1	2172 TCU110	W	2		5mL		1p			OK		✓
R	50588	Ja50032-1	2005 TCU110	W	5		25pl/50		2,000x			OK		✓
	50589	Ja50032-1		W	5		25pl/50		20,000x			OK		✓
	50590	Ja50032-2		W	5		5mL		1p			OK		✓
	50591	Ja50032-3		W	5		↓		↓			OK		✓
	3450592	Ja50032-4	↓	W	5		↓		↓			OK	9/20/10	✓

TX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9

Rev. Date: 2/14/2007

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V3D219-7

ite:

9/17/10

Print Analyst Name:

Analyst Signature:

Tatungin

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Sepp 2	

Columns: 2B624

Method

Initial Cal. Method

Y8260

M302195

annually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature:

Date: 9/20/10

Data File	Sample ID	Test	M T X	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L + I S U	Status (Data)	Comments	pH* <2
3150592	JAS6032-4	200 S TCU11+	6	5		5ML		1x	/	OK		/
50593	JAS6032-5		6	5					/	RR	1xclo	/
50594	JAS6032-6		6	6					/	OK		/
3150595	JAS6032-7		6	2					/	OK	8918 pm	/

X = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; computer miscalculation; 4 = analyst's correction error

OR001-9

7. Date: 2/14/2007

225

Print Analyst Name: T. Linka

Analyst Signature: [Signature]

Date: 10/9/10

Standard Data

Lot #	Description	Conc.
Wt 60 44	EXTG	100ppm
65	C	↓
43	COCKLE	1000ppm

Standard Data

Lot #	Description	Conc.
Wt 60 60	C	100ppm
34	B	↓
62	C	↓
23	COCKLE	100ppm
32	INT/SC	150/150ppm

Columns: 23024 (60mm x 0.25mm x 1.4)

Method: V8260

Initial Cal. Method: M302195

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature] Date: 10/11/10

R	Data File	Sample ID	Test	M T X	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L +	I S U	Status (Data)	Comments	pH < 2
	3151503	BFB										q	3.43am	
	51504	PC2195-50										q	#79T 25µl A+B+C+Ac/SOR	
	51505	IB												
	51506	MB										q		
	51507	BS										q	#79T 25µl Ext A+H+E+Ext A+C+E/SOR	
	51508	JA57971-5ms	3124 TEL		14		5mL		lp			q	25µl A+B+C+Ac/SOR	✓
	51509	JA57971-5msd			14		L		L			q	↓	✓
	51510	IB										q		
	51511	JA57971-16			4		5mL		lp			q		✓
	51512	JA57971-17			1							q		✓
	51513	JA57971-18			1							q		✓
	51514	JA57971-5			13							q		✓
	51515	JA57971-8			5							q		✓
	51516	JA57971-9			8							q		✓
	51517	JA57971-10			3							q		✓
	51518	JA57971-11			9							q		✓
	3151519	JA57971-13			8							q		✓

ITX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error;
3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9

Rev. Date: 2/14/2007

91

Date: 10/7/10

Print Analyst Name:

Analyst Signature:

Standard Data

Standard Data

Columns:

Method

Initial Cal. Method

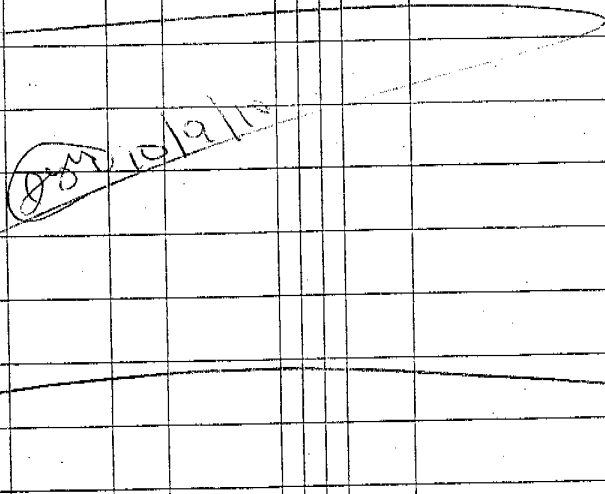
[illegible]

Lot #	Description	Conc.
	Seip 91	

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature:

Date: 4/12/10

Supervisor Signature:														
R	Data File	Sample ID	Test	M T X	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L +	I S U	Status (Data)	Comments	pH* < 2
3051520	JA58043-5	3105 TCL, MTR	S B	3			5mL		10		/	OK		✓
51521	JA58043-6	↓	S B	1			↓		↓		/	OK		✓
51322	JA57624-4	2879 TCL+		1			5mL		10		/	OK		✓
51523	JA57602-1	2879 TCL, H+10		3			↓		10		/	OK		✓
51524	JA57872-1	3046 PANCy	9 L	1			5mL		10		/	RR	IXMETRIX c/o	✓
51525	JA57872-2	↓		1			↓		↓		/	OK		✓
51526	JA57872-3	↓		1			↓		↓		/	RR	IXMETRIX c/o	✓
3051527	JA57872-4	↓	↓	1			↓		↓		/	RR	2.28pm ref 1110	✓
														

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * If pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9

Rev. Date: 2/14/2007

93

Print Analyst Name: Alex Magzoni

Analyst Signature: AM

ate: 9/11/10

Standard Data

Lot #	Description	Conc.
1082-98	EXTA	100ppm
135	C	↓
118	ACETONE	100ppm
1082-101	NISUF	100ppm
1010-882-101	Int only	250/2500ppm

Standard Data

Lot #	Description	Conc.
1082-127	A	100ppm
139	B	↓
142	C	↓
146	ACETONE	100ppm
134	Int only	100ppm

Columns: ZB624 (30m x 0.4mm x 1.4µm)

Method V3260

Initial Cal. Method MYS4387

Annually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: W

Date: 9/11/10

R	Data File	Sample ID	Test	M T X	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L +	I S	S U	Status (Data)	Comments	pH <2
	Y103250	BF3				1							OK		
	Y103251	1C4387-5				2							OK	Sample 5µl AC, ACET, NISUF (1000mg) DEF	
	Y103252	1C4387-2				3							OK	25µl AC, NISUF 10µl ACETONE	
	Y103253	1C4387-1				4							OK	1µl AC, NISUF	
	Y103254	1C4387-0.5				5							OK	0.5µl AC, ACET, NISUF	
	Y103255	1C4387-10				6							NOT OK	(2 butanone) target comp ↓	
	Y103256	1C4387-20				7							OK	25µl sample 10µl AC, ACET, NISUF (1000mg) DEF	
	Y103257	1C4387-50				8							OK	25µl AC, ACET, NISUF	
	Y103258	1C4387-100				9							OK	50µl AC, NISUF, sample	
	Y103259	1C4387-200				10							OK	100µl ↓	
	Y103260	1B				11							OK		
	Y103261	1B				12							OK		
	Y103262	1C4387-10				13							OK	5µl AC, ACET, NISUF, sample	
	Y103263	1C4387-50				14							NOT OK	* P. 34	
	Y103264	1C4387-50				15							OK	25µl + GATA, AC, C, S10B, NISUF	
	Y103265	1B				16							OK		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9

Rev. Date: 2/14/2007

35

Print Analyst Name: Alex. Mgzella

Analyst Signature: Am

Date: 10/7/10

Standard Data

Standard Data

Lot #	Description	Conc.
V1080-44 BxLA	100ppm	
-50 ↓ C	↓	
↓ -43 ↓ Acroten	100ppm	

Lot #	Description	Conc.
V1080-22 A STD	100ppm	
↓ -34 B ↓	↓	
↓ -55 C		
↓ -23 Acroten	100ppm	
↓ -32 B260 Int/Sus	250/250ppm	

Columns: 2B 624 (30m x 0.25mm x 14um)

Method V8260

Initial Cal. Method MYS4387

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: h

Date: 10/8/10

Data File	Sample ID	Test	M T X	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L + S U	I S	Status (Data)	Comments	pH <2
Y104433	BEB				23						ok	7:53 pm	
104434	Cc4387-50				34						ok	25ul A,B,C Acroten/Sam/D	
104435	IB				25						ok		
104436	MB				26						ok		
104437	BS				27						ok	25ul B, ExTS A, C Acroten/Sam/D	
104438	JAS8043-1MS	3113 TCL MTBE		1	28	4.9					ok	25ul A,B,C Acroten/Sam/D Sample	
104439	JAS8043-1MSD	↓		1	29	4.9					ok		
104440	IB				30						ok		
104441	JAS8043-1	3113 TCL MTBE		1	31	4.8					ok		
104442	JAS8043-3	↓		2	32	4.9					ok		
104443	JAS8043-4	↓		2	33	4.6					ok		
104444	JAS8015-1	3113 TCL H		6	34	4.7					ok		
104445	JAS8015-2	↓		6	35	4.5					ok		
104446	JAS8013-1	3113 VC, New		4	36	4.9					ok	CFL	
104447	JAS8000-3A	3111 TCL H		4	37	5.9					ok		
104448	JAS8000-4A	↓		5	38	5.6					ok		
104449	JAS8000-5A	↓		4	39	5.2					ok		

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9

Rev. Date: 2/14/2007

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Date: 10/7/10

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.

Columns: 2B 624 (30m x 0.25mm x 1.4um)

Method V8260

Initial Cal. Method MB4387

Annually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____

Date: 10/8/10

Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L +	I S	SU	Status (Data)	Comments	pH* < 2
~~104450~~	~~JA58000-7A~~	~~3111~~	~~S~~	~~4~~	~~40~~	~~3.8~~						~~OK~~		
~~104451~~	~~JA58000-8A~~	<del> </del>	<del> </del>	~~4~~	~~41~~	~~5.2~~						~~OK~~	FID sent to med point	
~~104452~~	~~JA58000-9A~~	<del> </del>	<del> </del>	~~4~~	~~42~~	~~5.7~~						~~OK~~		
104453	JA36890C-4A	2891										OK		
104454	JA36890C-4B											OK		
104455	JA36890C-4C											OK	6.39 pH	

MTX = Matrix Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.
 Sample Amt = Volume (ML) or Weight (g); MOH amt. = volume (ul) extract injected * IF pH > 2, comment on sample result.

All strike outs must be initialed, dated and reason code applied as follows: 1 = reviewer correction error; 2 = transcription error;
 3 = computer miscalculation; 4 = analyst's correction error

Form: OR001-9

Rev. Date: 2/14/2007

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GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary**Job Number:** JA58043**Account:** FLSNYYNY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-MB1	3E30108.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:**Method:** SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	140	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	140	46	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	140	48	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	570	35	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	570	35	ug/kg	
95-48-7	2-Methylphenol	ND	57	33	ug/kg	
	3&4-Methylphenol	ND	57	36	ug/kg	
88-75-5	2-Nitrophenol	ND	140	30	ug/kg	
100-02-7	4-Nitrophenol	ND	290	48	ug/kg	
87-86-5	Pentachlorophenol	ND	290	49	ug/kg	
108-95-2	Phenol	ND	57	30	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	140	33	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	140	27	ug/kg	
83-32-9	Acenaphthene	ND	29	8.3	ug/kg	
208-96-8	Acenaphthylene	ND	29	9.1	ug/kg	
120-12-7	Anthracene	ND	29	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	29	9.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	29	8.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	29	9.5	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	29	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	29	11	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	57	10	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	57	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	57	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	140	9.1	ug/kg	
86-74-8	Carbazole	ND	57	13	ug/kg	
218-01-9	Chrysene	ND	29	9.7	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	57	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	57	8.6	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	57	8.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	57	8.6	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	57	8.2	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	57	7.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	57	6.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	57	12	ug/kg	

Method Blank Summary

Page 2 of 3

Job Number: JA58043

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-MB1	3E30108.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	57	11	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	140	7.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	9.7	ug/kg	
132-64-9	Dibenzofuran	ND	57	8.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	57	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	57	14	ug/kg	
84-66-2	Diethyl phthalate	ND	57	9.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	57	10	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	57	25	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	9.4	ug/kg	
118-74-1	Hexachlorobenzene	ND	57	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	29	7.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	570	29	ug/kg	
67-72-1	Hexachloroethane	ND	140	7.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	9.9	ug/kg	
78-59-1	Isophorone	ND	57	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	57	16	ug/kg	
88-74-4	2-Nitroaniline	ND	140	13	ug/kg	
99-09-2	3-Nitroaniline	ND	140	11	ug/kg	
100-01-6	4-Nitroaniline	ND	140	11	ug/kg	
91-20-3	Naphthalene	ND	29	7.8	ug/kg	
98-95-3	Nitrobenzene	ND	57	8.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	57	7.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	140	17	ug/kg	
85-01-8	Phenanthrene	ND	29	13	ug/kg	
129-00-0	Pyrene	ND	29	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	57	7.6	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	90% ^a 30-109%
4165-62-2	Phenol-d5	84% ^b 28-108%
118-79-6	2,4,6-Tribromophenol	97% ^b 28-125%
4165-60-0	Nitrobenzene-d5	80% ^b 28-113%

Method Blank Summary

Page 3 of 3

Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-MB1	3E30108.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Surrogate Recoveries	Limits
321-60-8	2-Fluorobiphenyl	83% ^b 38-107%
1718-51-0	Terphenyl-d14	98% ^b 31-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.48	260	ug/kg	J
	system artifact	1.60	220	ug/kg	J
	system artifact/aldol-condensation	1.79	19000	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) double spiked-recalculated

(b) double spiked recalculated

Method Blank Summary

Page 1 of 3

Job Number: JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-MB1	P52849.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples:**Method:** SW846 8270C

JA58043-5

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	

Method Blank Summary

Page 2 of 3

Job Number: JA58043

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-MB1	P52849.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-5

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.4	2.0	0.33	ug/l	J
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	44% ^a 13-68%
4165-62-2	Phenol-d5	33% ^a 10-49%
118-79-6	2,4,6-Tribromophenol	98% ^a 37-130%
4165-60-0	Nitrobenzene-d5	82% ^a 25-112%

Method Blank Summary

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-MB1	P52849.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples: Method: SW846 8270C

JA58043-5

CAS No.	Surrogate Recoveries	Limits
321-60-8	2-Fluorobiphenyl	77% ^a 31-106%
1718-51-0	Terphenyl-d14	78% ^a 14-122%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.85	4.5	ug/l	J
	system artifact/aldol-condensation	3.20	20	ug/l	J
	Internal standard added for SIM test	7.95	4.5	ug/l	J
	Internal standard added for SIM test	10.32	4.4	ug/l	J
	Internal standard added for SIM test	13.37	4.4	ug/l	J
	Internal standard added for SIM test	16.40	4.4	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

(a) surrogate double spiked.

Blank Spike Summary**Job Number:** JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-BS1	3E30109.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:**Method:** SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1250	88	55-107
59-50-7	4-Chloro-3-methyl phenol	1430	1300	91	57-116
120-83-2	2,4-Dichlorophenol	1430	1310	92	54-116
105-67-9	2,4-Dimethylphenol	1430	1350	95	55-127
51-28-5	2,4-Dinitrophenol	2860	2360	83	14-139
534-52-1	4,6-Dinitro-o-cresol	1430	1220	85	28-131
95-48-7	2-Methylphenol	1430	1260	88	53-109
	3&4-Methylphenol	1430	1230	86	52-111
88-75-5	2-Nitrophenol	1430	1170	82	52-117
100-02-7	4-Nitrophenol	1430	1340	94	17-136
87-86-5	Pentachlorophenol	1430	1440	101	18-125
108-95-2	Phenol	1430	1200	84	48-108
95-95-4	2,4,5-Trichlorophenol	1430	1400	98	57-114
88-06-2	2,4,6-Trichlorophenol	1430	1340	94	57-115
83-32-9	Acenaphthene	1430	1280	90	54-113
208-96-8	Acenaphthylene	1430	1260	88	48-107
120-12-7	Anthracene	1430	1390	97	55-120
56-55-3	Benzo(a)anthracene	1430	1410	99	52-121
50-32-8	Benzo(a)pyrene	1430	1390	97	52-122
205-99-2	Benzo(b)fluoranthene	1430	1460	102	42-128
191-24-2	Benzo(g,h,i)perylene	1430	1500	105	51-120
207-08-9	Benzo(k)fluoranthene	1430	1260	88	47-132
101-55-3	4-Bromophenyl phenyl ether	1430	1360	95	53-124
85-68-7	Butyl benzyl phthalate	1430	1430	100	52-127
91-58-7	2-Chloronaphthalene	1430	1280	90	52-116
106-47-8	4-Chloroaniline	1430	1010	71	16-93
86-74-8	Carbazole	1430	1440	101	55-122
218-01-9	Chrysene	1430	1370	96	53-120
111-91-1	bis(2-Chloroethoxy)methane	1430	1300	91	50-120
111-44-4	bis(2-Chloroethyl)ether	1430	1140	80	40-127
108-60-1	bis(2-Chloroisopropyl)ether	1430	1210	85	47-111
7005-72-3	4-Chlorophenyl phenyl ether	1430	1280	90	52-120
95-50-1	1,2-Dichlorobenzene	1430	1180	83	47-111
541-73-1	1,3-Dichlorobenzene	1430	1150	81	45-110
106-46-7	1,4-Dichlorobenzene	1430	1150	81	46-110
121-14-2	2,4-Dinitrotoluene	1430	1330	93	51-125

Blank Spike Summary

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Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-BS1	3E30109.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	1430	1270	89	54-126
91-94-1	3,3'-Dichlorobenzidine	1430	929	65	28-113
53-70-3	Dibenzo(a,h)anthracene	1430	1410	99	51-125
132-64-9	Dibenzofuran	1430	1250	88	54-118
84-74-2	Di-n-butyl phthalate	1430	1440	101	55-122
117-84-0	Di-n-octyl phthalate	1430	1370	96	50-132
84-66-2	Diethyl phthalate	1430	1330	93	53-118
131-11-3	Dimethyl phthalate	1430	1320	92	55-116
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1370	96	51-130
206-44-0	Fluoranthene	1430	1440	101	50-119
86-73-7	Fluorene	1430	1340	94	54-119
118-74-1	Hexachlorobenzene	1430	1380	97	51-123
87-68-3	Hexachlorobutadiene	1430	1270	89	40-130
77-47-4	Hexachlorocyclopentadiene	2860	3270	114	24-145
67-72-1	Hexachloroethane	1430	1150	81	41-118
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1430	100	51-124
78-59-1	Isophorone	1430	1300	91	50-117
91-57-6	2-Methylnaphthalene	1430	1200	84	44-127
88-74-4	2-Nitroaniline	1430	1250	88	44-137
99-09-2	3-Nitroaniline	1430	1090	76	33-106
100-01-6	4-Nitroaniline	1430	1300	91	44-122
91-20-3	Naphthalene	1430	1250	88	49-112
98-95-3	Nitrobenzene	1430	1230	86	48-118
621-64-7	N-Nitroso-di-n-propylamine	1430	1140	80	46-121
86-30-6	N-Nitrosodiphenylamine	1430	1350	95	59-130
85-01-8	Phenanthrene	1430	1380	97	53-118
129-00-0	Pyrene	1430	1390	97	52-120
120-82-1	1,2,4-Trichlorobenzene	1430	1250	88	46-118

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	85% ^a	30-109%
4165-62-2	Phenol-d5	80% ^a	28-108%
118-79-6	2,4,6-Tribromophenol	107% ^a	28-125%
4165-60-0	Nitrobenzene-d5	78% ^a	28-113%

Blank Spike Summary

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Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-BS1	3E30109.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	83% ^a	38-107%
1718-51-0	Terphenyl-d14	95% ^a	31-116%

(a) double spiked recalculated

7.2.1

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Blank Spike Summary

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Job Number: JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-BS1	P52850.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples:**Method:** SW846 8270C

JA58043-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	100	54.5	54	41-102
59-50-7	4-Chloro-3-methyl phenol	100	67.8	68	52-117
120-83-2	2,4-Dichlorophenol	100	64.9	65	47-113
105-67-9	2,4-Dimethylphenol	100	69.7	70	43-122
51-28-5	2,4-Dinitrophenol	200	141	70	32-138
534-52-1	4,6-Dinitro-o-cresol	100	71.7	72	47-122
95-48-7	2-Methylphenol	100	54.2	54	36-100
	3&4-Methylphenol	100	49.5	50	31-98
88-75-5	2-Nitrophenol	100	63.4	63	44-114
100-02-7	4-Nitrophenol	100	34.6	35	16-76
87-86-5	Pentachlorophenol	100	63.3	63	35-122
108-95-2	Phenol	100	29.7	30	15-62
95-95-4	2,4,5-Trichlorophenol	100	66.5	66	56-115
88-06-2	2,4,6-Trichlorophenol	100	64.8	65	54-113
83-32-9	Acenaphthene	100	58.0	58	46-110
208-96-8	Acenaphthylene	100	53.7	54	42-103
120-12-7	Anthracene	100	60.7	61	57-123
56-55-3	Benzo(a)anthracene	100	61.1	61	56-125
50-32-8	Benzo(a)pyrene	100	63.5	63	57-125
205-99-2	Benzo(b)fluoranthene	100	68.4	68	49-130
191-24-2	Benzo(g,h,i)perylene	100	62.7	63	55-129
207-08-9	Benzo(k)fluoranthene	100	63.1	63	53-132
101-55-3	4-Bromophenyl phenyl ether	100	60.5	61	55-121
85-68-7	Butyl benzyl phthalate	100	68.1	68	55-132
91-58-7	2-Chloronaphthalene	100	51.1	51	39-108
106-47-8	4-Chloroaniline	100	47.8	48	34-103
86-74-8	Carbazole	100	63.2	63	63-122
218-01-9	Chrysene	100	59.4	59	57-123
111-91-1	bis(2-Chloroethoxy)methane	100	63.1	63	43-119
111-44-4	bis(2-Chloroethyl)ether	100	50.0	50	36-124
108-60-1	bis(2-Chloroisopropyl)ether	100	52.8	53	40-106
7005-72-3	4-Chlorophenyl phenyl ether	100	54.2	54	50-117
95-50-1	1,2-Dichlorobenzene	100	44.9	45	22-90
541-73-1	1,3-Dichlorobenzene	100	39.0	39	19-85
106-46-7	1,4-Dichlorobenzene	100	41.8	42	20-88
121-14-2	2,4-Dinitrotoluene	100	63.3	63	56-124

7.2.2

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Blank Spike Summary

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Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-BS1	P52850.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	100	61.3	61	55-128
91-94-1	3,3'-Dichlorobenzidine	100	54.7	55	42-116
53-70-3	Dibenzo(a,h)anthracene	100	65.9	66	55-133
132-64-9	Dibenzofuran	100	55.0	55	53-109
84-74-2	Di-n-butyl phthalate	100	64.6	65	58-130
117-84-0	Di-n-octyl phthalate	100	70.7	71	55-133
84-66-2	Diethyl phthalate	100	58.2	58	52-123
131-11-3	Dimethyl phthalate	100	58.3	58	44-126
117-81-7	bis(2-Ethylhexyl)phthalate	100	70.4	70	57-134
206-44-0	Fluoranthene	100	60.8	61	56-124
86-73-7	Fluorene	100	56.4	56	53-118
118-74-1	Hexachlorobenzene	100	60.5	60	54-119
87-68-3	Hexachlorobutadiene	100	44.5	44	11-100
77-47-4	Hexachlorocyclopentadiene	200	132	66	5-120
67-72-1	Hexachloroethane	100	37.2	37	13-88
193-39-5	Indeno(1,2,3-cd)pyrene	100	64.1	64	55-131
78-59-1	Isophorone	100	66.3	66	43-120
91-57-6	2-Methylnaphthalene	100	50.3	50	33-103
88-74-4	2-Nitroaniline	100	63.5	63	48-132
99-09-2	3-Nitroaniline	100	54.6	55	48-115
100-01-6	4-Nitroaniline	100	59.2	59	51-125
91-20-3	Naphthalene	100	52.0	52	33-98
98-95-3	Nitrobenzene	100	53.5	53	41-114
621-64-7	N-Nitroso-di-n-propylamine	100	55.3	55	41-121
86-30-6	N-Nitrosodiphenylamine	100	58.4	58	54-136
85-01-8	Phenanthrene	100	61.7	62	57-119
129-00-0	Pyrene	100	61.1	61	56-123
120-82-1	1,2,4-Trichlorobenzene	100	46.7	47	21-97

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	55% ^a	13-68%
4165-62-2	Phenol-d5	41% ^a	10-49%
118-79-6	2,4,6-Tribromophenol	106% ^a	37-130%
4165-60-0	Nitrobenzene-d5	87% ^a	25-112%

Blank Spike Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-BS1	P52850.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples: Method: SW846 8270C

JA58043-5

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	78% ^a	31-106%
1718-51-0	Terphenyl-d14	89% ^a	14-122%

(a) surrogate double spiked.

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JA58043

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-MS	3E30110.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333
OP46062-MSD	3E30111.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333
JA58117-4A	3E30112.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Compound	JA58117-4A ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1830	1650	90	1540	84	7	41-106/24
59-50-7	4-Chloro-3-methyl phenol	ND		1830	1690	92	1620	88	4	39-122/27
120-83-2	2,4-Dichlorophenol	ND		1830	1730	94	1640	90	5	40-115/27
105-67-9	2,4-Dimethylphenol	ND		1830	1810	99	1710	93	6	40-130/27
51-28-5	2,4-Dinitrophenol	ND		3660	2980	81	2870	78	4	1-121/39
534-52-1	4,6-Dinitro-o-cresol	ND		1830	1550	85	1460	80	6	1-123/40
95-48-7	2-Methylphenol	ND		1830	1670	91	1600	87	4	38-112/26
	3&4-Methylphenol	ND		1830	1630	89	1560	85	4	37-114/27
88-75-5	2-Nitrophenol	ND		1830	1570	86	1440	79	9	28-118/28
100-02-7	4-Nitrophenol	ND		1830	1700	93	1590	87	7	13-136/39
87-86-5	Pentachlorophenol	ND		1830	1850	101	1800	98	3	13-124/28
108-95-2	Phenol	ND		1830	1600	87	1520	83	5	35-109/27
95-95-4	2,4,5-Trichlorophenol	ND		1830	1840	100	1730	94	6	43-114/26
88-06-2	2,4,6-Trichlorophenol	ND		1830	1790	98	1670	91	7	43-117/26
83-32-9	Acenaphthene	ND		1830	1680	92	1620	88	4	38-116/26
208-96-8	Acenaphthylene	ND		1830	1660	91	1580	86	5	34-111/24
120-12-7	Anthracene	ND		1830	1800	98	1750	96	3	35-127/28
56-55-3	Benzo(a)anthracene	ND		1830	1810	99	1770	97	2	26-135/30
50-32-8	Benzo(a)pyrene	ND		1830	1780	97	1750	96	2	30-131/30
205-99-2	Benzo(b)fluoranthene	ND		1830	1690	92	1610	88	5	24-135/33
191-24-2	Benzo(g,h,i)perylene	ND		1830	1880	103	1790	98	5	30-129/29
207-08-9	Benzo(k)fluoranthene	ND		1830	1760	96	1660	91	6	27-131/33
101-55-3	4-Bromophenyl phenyl ether	ND		1830	1800	98	1750	96	3	41-122/25
85-68-7	Butyl benzyl phthalate	ND		1830	1860	102	1800	98	3	38-130/27
91-58-7	2-Chloronaphthalene	ND		1830	1690	92	1610	88	5	42-113/24
106-47-8	4-Chloroaniline	ND		1830	1330	73	1310	72	2	14-91/34
86-74-8	Carbazole	ND		1830	1860	102	1810	99	3	40-126/26
218-01-9	Chrysene	ND		1830	1750	96	1680	92	4	27-135/30
111-91-1	bis(2-Chloroethoxy)methane	ND		1830	1710	93	1610	88	6	35-120/25
111-44-4	bis(2-Chloroethyl)ether	ND		1830	1500	82	1430	78	5	29-124/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		1830	1580	86	1480	81	7	34-110/24
7005-72-3	4-Chlorophenyl phenyl ether	ND		1830	1690	92	1640	90	3	40-119/24
95-50-1	1,2-Dichlorobenzene	ND		1830	1550	85	1460	80	6	33-110/24
541-73-1	1,3-Dichlorobenzene	ND		1830	1550	85	1430	78	8	34-104/24
106-46-7	1,4-Dichlorobenzene	ND		1830	1540	84	1430	78	7	34-105/23
121-14-2	2,4-Dinitrotoluene	ND		1830	1690	92	1670	91	1	31-123/28

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-MS	3E30110.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333
OP46062-MSD	3E30111.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333
JA58117-4A	3E30112.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Compound	JA58117-4A ug/kg	Spike Q	ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		1830	1680	92	1660	91	1	35-128/27
91-94-1	3,3'-Dichlorobenzidine	ND		1830	1150	63	1190	65	3	12-113/35
53-70-3	Dibenzo(a,h)anthracene	ND		1830	1840	100	1750	96	5	35-129/28
132-64-9	Dibenzofuran	ND		1830	1660	91	1620	88	2	36-125/26
84-74-2	Di-n-butyl phthalate	ND		1830	1870	102	1810	99	3	39-124/25
117-84-0	Di-n-octyl phthalate	ND		1830	1800	98	1750	96	3	33-135/27
84-66-2	Diethyl phthalate	ND		1830	1700	93	1630	89	4	41-116/25
131-11-3	Dimethyl phthalate	ND		1830	1730	94	1690	92	2	42-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1830	1800	98	1730	94	4	35-140/30
206-44-0	Fluoranthene	ND		1830	1880	103	1790	98	5	24-133/34
86-73-7	Fluorene	ND		1830	1740	95	1690	92	3	37-124/27
118-74-1	Hexachlorobenzene	ND		1830	1810	99	1750	96	3	40-116/24
87-68-3	Hexachlorobutadiene	ND		1830	1690	92	1580	86	7	31-122/26
77-47-4	Hexachlorocyclopentadiene	ND		3660	4300	117	3950	108	8	1-127/37
67-72-1	Hexachloroethane	ND		1830	1550	85	1470	80	5	26-108/25
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1830	1830	100	1740	95	5	32-130/29
78-59-1	Isophorone	ND		1830	1720	94	1650	90	4	35-117/25
91-57-6	2-Methylnaphthalene	ND		1830	1570	86	1510	82	4	29-130/28
88-74-4	2-Nitroaniline	ND		1830	1600	87	1580	86	1	33-133/30
99-09-2	3-Nitroaniline	ND		1830	1440	79	1400	76	3	24-108/31
100-01-6	4-Nitroaniline	ND		1830	1690	92	1600	87	5	25-117/31
91-20-3	Naphthalene	ND		1830	1630	89	1540	84	6	32-116/28
98-95-3	Nitrobenzene	ND		1830	1630	89	1550	85	5	32-120/26
621-64-7	N-Nitroso-di-n-propylamine	ND		1830	1480	81	1450	79	2	30-124/25
86-30-6	N-Nitrosodiphenylamine	ND		1830	1760	96	1710	93	3	38-143/27
85-01-8	Phenanthrene	ND		1830	1760	96	1710	93	3	26-135/33
129-00-0	Pyrene	ND		1830	1780	97	1710	93	4	23-139/33
120-82-1	1,2,4-Trichlorobenzene	ND		1830	1650	90	1540	84	7	36-113/24

CAS No.	Surrogate Recoveries	MS	MSD	JA58117-4A	Limits
367-12-4	2-Fluorophenol	88%	84%	84%	30-109%
4165-62-2	Phenol-d5	83%	82%	80%	28-108%
118-79-6	2,4,6-Tribromophenol	109%	109%	109%	28-125%
4165-60-0	Nitrobenzene-d5	79%	73%	75%	28-113%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46062-MS	3E30110.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333
OP46062-MSD	3E30111.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333
JA58117-4A	3E30112.D	1	10/12/10	OYA	10/09/10	OP46062	E3E1333

The QC reported here applies to the following samples: Method: SW846 8270C

JA58043-2, JA58043-3, JA58043-4

CAS No.	Surrogate Recoveries	MS	MSD	JA58117-4A	Limits
321-60-8	2-Fluorobiphenyl	83%	79%	79%	38-107%
1718-51-0	Terphenyl-d14	94%	89%	97%	31-116%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-MS	P52855.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277
OP46138-MSD	P52856.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277
JA58499-1	P52854.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples:**Method:** SW846 8270C

JA58043-5

CAS No.	Compound	JA58499-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		206	89.6	43	92.3	45	3	32-102/33
59-50-7	4-Chloro-3-methyl phenol	ND		206	110	53	113	55	3	38-126/30
120-83-2	2,4-Dichlorophenol	ND		206	106	51	106	51	0	33-116/34
105-67-9	2,4-Dimethylphenol	ND		206	115	56	116	56	1	30-128/32
51-28-5	2,4-Dinitrophenol	ND		412	256	62	263	64	3	20-151/29
534-52-1	4,6-Dinitro-o-cresol	ND		206	114	55	115	56	1	31-135/29
95-48-7	2-Methylphenol	ND		206	93.2	45	93.7	45	1	26-111/33
	3&4-Methylphenol	ND		206	92.6	45	92.6	45	0	26-111/33
88-75-5	2-Nitrophenol	ND		206	101	49	102	50	1	29-116/35
100-02-7	4-Nitrophenol	ND		206	80.2	39	78.4	38	2	10-123/35
87-86-5	Pentachlorophenol	ND		206	103	50	107	52	4	34-133/26
108-95-2	Phenol	ND		206	72.7	35	71.0	34	2	14-85/37
95-95-4	2,4,5-Trichlorophenol	ND		206	108	52	112	54	4	44-121/26
88-06-2	2,4,6-Trichlorophenol	ND		206	107	52	109	53	2	41-119/28
83-32-9	Acenaphthene	ND		206	118	57	119	57	1	37-114/31
208-96-8	Acenaphthylene	ND		206	108	52	110	53	2	33-108/31
120-12-7	Anthracene	ND		206	122	59	125	60	2	48-125/26
56-55-3	Benzo(a)anthracene	ND		206	124	60	126	61	2	48-127/26
50-32-8	Benzo(a)pyrene	ND		206	129	62	131	63	2	48-128/26
205-99-2	Benzo(b)fluoranthene	ND		206	132	64	135	65	2	41-133/29
191-24-2	Benzo(g,h,i)perylene	ND		206	127	61	129	62	2	42-134/27
207-08-9	Benzo(k)fluoranthene	ND		206	139	67	145	70	4	45-133/30
101-55-3	4-Bromophenyl phenyl ether	ND		206	123	59	126	61	2	47-123/28
85-68-7	Butyl benzyl phthalate	ND		206	136	66	139	67	2	47-137/27
91-58-7	2-Chloronaphthalene	ND		206	104	50	104	50	0	35-110/32
106-47-8	4-Chloroaniline	ND		206	98.4	47	97.1	47	1	22-98/36
86-74-8	Carbazole	ND		206	127	61	130	63	2	54-127/26
218-01-9	Chrysene	ND		206	120	58	122	59	2	49-125/25
111-91-1	bis(2-Chloroethoxy)methane	ND		206	124	60	128	62	3	33-116/36
111-44-4	bis(2-Chloroethyl)ether	ND		206	97.6	47	103	50	5	24-124/34
108-60-1	bis(2-Chloroisopropyl)ether	ND		206	103	50	107	52	4	31-104/35
7005-72-3	4-Chlorophenyl phenyl ether	ND		206	112	54	113	55	1	42-119/28
95-50-1	1,2-Dichlorobenzene	ND		206	87.7	42	93.7	45	7	19-92/36
541-73-1	1,3-Dichlorobenzene	ND		206	77.3	37	82.5	40	7	20-84/37
106-46-7	1,4-Dichlorobenzene	ND		206	82.4	40	87.0	42	5	20-86/36
121-14-2	2,4-Dinitrotoluene	ND		206	129	62	130	63	1	45-129/28

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-MS	P52855.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277
OP46138-MSD	P52856.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277
JA58499-1	P52854.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-5

CAS No.	Compound	JA58499-1 ug/l	Spike Q	ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	ND		206	128	62	127	61	1	46-132/29
91-94-1	3,3'-Dichlorobenzidine	ND		206	105	51	108	52	3	17-119/36
53-70-3	Dibenzo(a,h)anthracene	ND		206	132	64	136	66	3	45-136/27
132-64-9	Dibenzofuran	ND		206	111	54	112	54	1	44-114/30
84-74-2	Di-n-butyl phthalate	ND		206	129	62	133	64	3	49-134/26
117-84-0	Di-n-octyl phthalate	ND		206	141	68	145	70	3	46-140/25
84-66-2	Diethyl phthalate	ND		206	120	58	123	59	2	46-123/27
131-11-3	Dimethyl phthalate	ND		206	120	58	121	58	1	39-123/32
117-81-7	bis(2-Ethylhexyl)phthalate	2.0	B	206	141	67	144	69	2	49-141/27
206-44-0	Fluoranthene	ND		206	122	59	125	60	2	46-127/27
86-73-7	Fluorene	ND		206	115	56	117	56	2	44-121/29
118-74-1	Hexachlorobenzene	ND		206	120	58	61.0	119	2	46-120/27
87-68-3	Hexachlorobutadiene	ND		206	92.6	45	97.4	47	5	15-99/39
77-47-4	Hexachlorocyclopentadiene	ND		412	274	66	282	68	3	4-124/39
67-72-1	Hexachloroethane	ND		206	76.8	37	81.9	39	6	16-86/39
193-39-5	Indeno(1,2,3-cd)pyrene	ND		206	128	62	133	64	4	43-137/28
78-59-1	Isophorone	ND		206	130	63	133	64	2	33-117/36
91-57-6	2-Methylnaphthalene	ND		206	99.2	48	101	49	2	22-117/37
88-74-4	2-Nitroaniline	ND		206	129	62	131	63	2	37-135/29
99-09-2	3-Nitroaniline	ND		206	113	55	113	55	0	34-115/28
100-01-6	4-Nitroaniline	ND		206	120	58	122	59	2	36-128/30
91-20-3	Naphthalene	ND		206	101	49	103	50	2	22-106/35
98-95-3	Nitrobenzene	ND		206	105	51	106	51	1	30-116/37
621-64-7	N-Nitroso-di-n-propylamine	ND		206	111	54	114	55	3	32-118/35
86-30-6	N-Nitrosodiphenylamine	ND		206	119	57	121	58	2	42-145/27
85-01-8	Phenanthrene	ND		206	123	59	126	61	2	45-127/27
129-00-0	Pyrene	ND		206	120	58	124	60	3	45-129/26
120-82-1	1,2,4-Trichlorobenzene	ND		206	93.4	45	96.1	46	3	23-97/37

CAS No.	Surrogate Recoveries	MS	MSD	JA58499-1	Limits
367-12-4	2-Fluorophenol	65% ^a	64% ^a	44% ^a	13-68%
4165-62-2	Phenol-d5	61% ^a	57% ^a	34% ^a	10-49%
118-79-6	2,4,6-Tribromophenol	102% ^a	102% ^a	103% ^a	37-130%
4165-60-0	Nitrobenzene-d5	83% ^a	84% ^a	82% ^a	25-112%

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46138-MS	P52855.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277
OP46138-MSD	P52856.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277
JA58499-1	P52854.D	1	10/14/10	NAP	10/13/10	OP46138	EP2277

The QC reported here applies to the following samples:

Method: SW846 8270C

JA58043-5

CAS No.	Surrogate Recoveries	MS	MSD	JA58499-1	Limits
321-60-8	2-Fluorobiphenyl	76% ^a	77% ^a	79% ^a	31-106%
1718-51-0	Terphenyl-d14	88% ^a	89% ^a	80% ^a	14-122%

(a) surrogate double spiked.

Instrument Performance Check (DFTPP)**Job Number:** JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY**Sample:** E3E1331-DFTPP**Injection Date:** 10/11/10**Lab File ID:** 3E30083.D**Injection Time:** 15:38**Instrument ID:** GCMS3E

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	20046	44.9	Pass
68	Less than 2.0% of mass 69	153	0.34 (0.82) ^a	Pass
69	Mass 69 relative abundance	18603	41.6	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	25149	56.3	Pass
197	Less than 1.0% of mass 198	166	0.37	Pass
198	Base peak, 100% relative abundance	44683	100.0	Pass
199	5.0 - 9.0% of mass 198	2975	6.66	Pass
275	10.0 - 30.0% of mass 198	9659	21.6	Pass
365	1.0 - 100.0% of mass 198	866	1.94	Pass
441	Present, but less than mass 443	3366	7.53 (74.0) ^b	Pass
442	40.0 - 100.0% of mass 198	22305	49.9	Pass
443	17.0 - 23.0% of mass 442	4547	10.2 (20.4) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E1331-IC1331	3E30084.D	10/11/10	15:51	00:13	Initial cal 2
E3E1331-IC1331	3E30085.D	10/11/10	16:16	00:38	Initial cal 100
E3E1331-IC1331	3E30086.D	10/11/10	17:09	01:31	Initial cal 80
E3E1331-IC1331	3E30087.D	10/11/10	17:34	01:56	Initial cal 1
E3E1331-IC1331	3E30088.D	10/11/10	17:59	02:21	Initial cal 5
E3E1331-IC1331	3E30089.D	10/11/10	18:24	02:46	Initial cal 10
E3E1331-IC1331	3E30090.D	10/11/10	18:48	03:10	Initial cal 25
E3E1331-ICC1331	3E30091.D	10/11/10	19:13	03:35	Initial cal 50

Instrument Performance Check (DFTPP)

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1332-DFTPP	Injection Date: 10/11/10
Lab File ID: 3E30092.D	Injection Time: 19:32
Instrument ID: GCMS3E	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	19057	45.3	Pass
68	Less than 2.0% of mass 69	237	0.56 (1.35) ^a	Pass
69	Mass 69 relative abundance	17509	41.7	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	22977	54.7	Pass
197	Less than 1.0% of mass 198	339	0.81	Pass
198	Base peak, 100% relative abundance	42026	100.0	Pass
199	5.0 - 9.0% of mass 198	2776	6.61	Pass
275	10.0 - 30.0% of mass 198	9177	21.8	Pass
365	1.0 - 100.0% of mass 198	764	1.82	Pass
441	Present, but less than mass 443	3145	7.48 (70.1) ^b	Pass
442	40.0 - 100.0% of mass 198	21987	52.3	Pass
443	17.0 - 23.0% of mass 442	4484	10.7 (20.4) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E1332-IC1332	3E30093.D	10/11/10	19:55	00:23	Initial cal 100
E3E1332-IC1332	3E30094.D	10/11/10	20:20	00:48	Initial cal 80
E3E1332-ICC1332	3E30095.D	10/11/10	20:45	01:13	Initial cal 50
E3E1332-IC1332	3E30096.D	10/11/10	21:09	01:37	Initial cal 25
E3E1332-IC1332	3E30097.D	10/11/10	21:34	02:02	Initial cal 10
E3E1332-IC1332	3E30098.D	10/11/10	21:59	02:27	Initial cal 5
E3E1332-IC1332	3E30099.D	10/11/10	22:24	02:52	Initial cal 2
E3E1332-IC1332	3E30100.D	10/11/10	22:48	03:16	Initial cal 1
E3E1332-ICV1331	3E30101.D	10/11/10	23:13	03:41	Initial cal verification 50
E3E1332-ICV1332	3E30102A.D	10/11/10	23:38	04:06	Initial cal verification 50
E3E1332-ICV1331	3E30102.D	10/11/10	23:38	04:06	Initial cal verification 50
E3E1332-ICV1331	3E30103.D	10/12/10	00:02	04:30	Initial cal verification 50
E3E1332-ICV1332	3E30104.D	10/12/10	00:27	04:55	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1333-DFTPP	Injection Date: 10/12/10
Lab File ID: 3E30105.D	Injection Time: 09:28
Instrument ID: GCMS3E	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	14730	40.3	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	13589	37.2	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	19315	52.8	Pass
197	Less than 1.0% of mass 198	146	0.40	Pass
198	Base peak, 100% relative abundance	36578	100.0	Pass
199	5.0 - 9.0% of mass 198	2467	6.74	Pass
275	10.0 - 30.0% of mass 198	8774	24.0	Pass
365	1.0 - 100.0% of mass 198	806	2.20	Pass
441	Present, but less than mass 443	3391	9.27 (65.0) ^b	Pass
442	40.0 - 100.0% of mass 198	25064	68.5	Pass
443	17.0 - 23.0% of mass 442	5215	14.3 (20.8) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E1333-CC1331	3E30106.D	10/12/10	09:41	00:13	Continuing cal 25
E3E1333-CC1332	3E30107.D	10/12/10	10:08	00:40	Continuing cal 50
OP46062-MB1	3E30108.D	10/12/10	10:35	01:07	Method Blank
OP46062-BS1	3E30109.D	10/12/10	10:59	01:31	Blank Spike
OP46062-MS	3E30110.D	10/12/10	11:24	01:56	Matrix Spike
OP46062-MSD	3E30111.D	10/12/10	11:48	02:20	Matrix Spike Duplicate
JA58117-4A	3E30112.D	10/12/10	12:13	02:45	(used for QC only; not part of job JA58043)
ZZZZZZ	3E30113.D	10/12/10	12:38	03:10	(unrelated sample)
ZZZZZZ	3E30114.D	10/12/10	13:02	03:34	(unrelated sample)
ZZZZZZ	3E30115.D	10/12/10	13:27	03:59	(unrelated sample)
OP46111-MB1	3E30130.D	10/12/10	13:51	04:23	Method Blank
OP46111-BS1	3E30131.D	10/12/10	14:16	04:48	Blank Spike
JA58505-2A	3E30132.D	10/12/10	14:41	05:13	(used for QC only; not part of job JA58043)
ZZZZZZ	3E30133.D	10/12/10	15:05	05:37	(unrelated sample)
ZZZZZZ	3E30134.D	10/12/10	15:30	06:02	(unrelated sample)
ZZZZZZ	3E30135.D	10/12/10	15:54	06:26	(unrelated sample)
ZZZZZZ	3E30136.D	10/12/10	16:19	06:51	(unrelated sample)
ZZZZZZ	3E30116.D	10/12/10	16:44	07:16	(unrelated sample)
ZZZZZZ	3E30117.D	10/12/10	17:08	07:40	(unrelated sample)

Instrument Performance Check (DFTPP)

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Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1333-DFTPP

Injection Date: 10/12/10

Lab File ID: 3E30105.D

Injection Time: 09:28

Instrument ID: GCMS3E

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3E30118.D	10/12/10	17:33	08:05	(unrelated sample)
ZZZZZZ	3E30119.D	10/12/10	17:57	08:29	(unrelated sample)
ZZZZZZ	3E30120.D	10/12/10	18:22	08:54	(unrelated sample)
ZZZZZZ	3E30121.D	10/12/10	18:46	09:18	(unrelated sample)
ZZZZZZ	3E30122.D	10/12/10	19:11	09:43	(unrelated sample)
ZZZZZZ	3E30123.D	10/12/10	19:35	10:07	(unrelated sample)
ZZZZZZ	3E30124.D	10/12/10	19:59	10:31	(unrelated sample)
ZZZZZZ	3E30125.D	10/12/10	20:24	10:56	(unrelated sample)
ZZZZZZ	3E30126.D	10/12/10	20:48	11:20	(unrelated sample)
JA58043-2	3E30127.D	10/12/10	21:12	11:44	MW-6 (3-5)

7.4.3

7

Instrument Performance Check (DFTPP)

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1334-DFTPP
Lab File ID: 3E30137.D
Instrument ID: GCMS3E
Injection Date: 10/13/10
Injection Time: 09:07

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	15930	41.0	Pass
68	Less than 2.0% of mass 69	266	0.69 (1.77) ^a	Pass
69	Mass 69 relative abundance	15070	38.8	Pass
70	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
127	40.0 - 60.0% of mass 198	20456	52.7	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	38808	100.0	Pass
199	5.0 - 9.0% of mass 198	2522	6.50	Pass
275	10.0 - 30.0% of mass 198	8811	22.7	Pass
365	1.0 - 100.0% of mass 198	911	2.35	Pass
441	Present, but less than mass 443	3404	8.77 (68.6) ^b	Pass
442	40.0 - 100.0% of mass 198	23534	60.6	Pass
443	17.0 - 23.0% of mass 442	4964	12.8 (21.1) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E3E1334-CC1331	3E30138.D	10/13/10	10:09	01:02	Continuing cal 25
E3E1334-CC1332	3E30139.D	10/13/10	10:33	01:26	Continuing cal 50
OP46092-MB1	3E30140.D	10/13/10	10:58	01:51	Method Blank
OP46092-BS1	3E30141.D	10/13/10	11:22	02:15	Blank Spike
OP46111-MS	3E30142.D	10/13/10	11:47	02:40	Matrix Spike
OP46111-MSD	3E30143.D	10/13/10	12:12	03:05	Matrix Spike Duplicate
ZZZZZZ	3E30144.D	10/13/10	12:36	03:29	(unrelated sample)
ZZZZZZ	3E30145.D	10/13/10	13:00	03:53	(unrelated sample)
ZZZZZZ	3E30146.D	10/13/10	13:24	04:17	(unrelated sample)
ZZZZZZ	3E30147.D	10/13/10	13:49	04:42	(unrelated sample)
ZZZZZZ	3E30148.D	10/13/10	14:13	05:06	(unrelated sample)
ZZZZZZ	3E30149.D	10/13/10	14:37	05:30	(unrelated sample)
ZZZZZZ	3E30150.D	10/13/10	15:02	05:55	(unrelated sample)
ZZZZZZ	3E30151.D	10/13/10	15:26	06:19	(unrelated sample)
ZZZZZZ	3E30152.D	10/13/10	15:50	06:43	(unrelated sample)
JA58315-3	3E30153.D	10/13/10	16:15	07:08	(used for QC only; not part of job JA58043)
OP46092-MS	3E30154.D	10/13/10	16:40	07:33	Matrix Spike
OP46092-MSD	3E30155.D	10/13/10	17:04	07:57	Matrix Spike Duplicate
JA58043-3	3E30156.D	10/13/10	17:28	08:21	MW-4 (0-2)

Instrument Performance Check (DFTPP)

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample:	E3E1334-DFTPP	Injection Date:	10/13/10
Lab File ID:	3E30137.D	Injection Time:	09:07
Instrument ID:	GCMS3E		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
JA58043-4	3E30157.D	10/13/10	17:53	08:46	MW-5 (0-2)
JA58043-4	3E30158.D	10/13/10	18:17	09:10	MW-5 (0-2)
JA58043-3	3E30159.D	10/13/10	18:41	09:34	MW-4 (0-2)
ZZZZZZ	3E30160.D	10/13/10	19:05	09:58	(unrelated sample)
ZZZZZZ	3E30161.D	10/13/10	19:30	10:23	(unrelated sample)
ZZZZZZ	3E30162.D	10/13/10	19:54	10:47	(unrelated sample)
ZZZZZZ	3E30163.D	10/13/10	20:18	11:11	(unrelated sample)

7.4.4
7

Instrument Performance Check (DFTPP)

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2264-DFTPP
Lab File ID: P52532.D
Instrument ID: GCMSP

Injection Date: 09/30/10
Injection Time: 08:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	16678	36.7	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	19461	42.8	Pass
70	Less than 2.0% of mass 69	57	0.13 (0.29) ^a	Pass
127	40.0 - 60.0% of mass 198	23459	51.6	Pass
197	Less than 1.0% of mass 198	105	0.23	Pass
198	Base peak, 100% relative abundance	45452	100.0	Pass
199	5.0 - 9.0% of mass 198	3030	6.67	Pass
275	10.0 - 30.0% of mass 198	11725	25.8	Pass
365	1.0 - 100.0% of mass 198	1213	2.67	Pass
441	Present, but less than mass 443	6829	15.0 (80.9) ^b	Pass
442	40.0 - 100.0% of mass 198	42632	93.8	Pass
443	17.0 - 23.0% of mass 442	8438	18.6 (19.8) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP2264-ICC2264	P52533.D	09/30/10	08:26	00:15	Initial cal 50
EP2264-IC2264	P52534.D	09/30/10	08:58	00:47	Initial cal 1
EP2264-IC2264	P52535.D	09/30/10	09:27	01:16	Initial cal 2
EP2264-IC2264	P52536.D	09/30/10	09:56	01:45	Initial cal 5
EP2264-IC2264	P52537.D	09/30/10	10:25	02:14	Initial cal 10
EP2264-IC2264	P52538.D	09/30/10	10:54	02:43	Initial cal 25
EP2264-IC2264	P52539.D	09/30/10	11:24	03:13	Initial cal 80
EP2264-IC2264	P52540.D	09/30/10	11:53	03:42	Initial cal 100

Instrument Performance Check (DFTPP)**Job Number:** JA58043**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY**Sample:** EP2265-DFTPP**Injection Date:** 09/30/10**Lab File ID:** P52541.D**Injection Time:** 12:33**Instrument ID:** GCMSP

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	20055	39.0	Pass
68	Less than 2.0% of mass 69	0	0.00 (0.00) ^a	Pass
69	Mass 69 relative abundance	22558	43.9	Pass
70	Less than 2.0% of mass 69	133	0.26 (0.59) ^a	Pass
127	40.0 - 60.0% of mass 198	27068	52.6	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	51424	100.0	Pass
199	5.0 - 9.0% of mass 198	3414	6.64	Pass
275	10.0 - 30.0% of mass 198	12582	24.5	Pass
365	1.0 - 100.0% of mass 198	1549	3.01	Pass
441	Present, but less than mass 443	7615	14.8 (86.5) ^b	Pass
442	40.0 - 100.0% of mass 198	46397	90.2	Pass
443	17.0 - 23.0% of mass 442	8804	17.1 (19.0) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP2265-ICC2265	P52542.D	09/30/10	12:47	00:14	Initial cal 50
EP2265-IC2265	P52543.D	09/30/10	13:17	00:44	Initial cal 1
EP2265-IC2265	P52544.D	09/30/10	13:46	01:13	Initial cal 2
EP2265-IC2265	P52545.D	09/30/10	14:16	01:43	Initial cal 5
EP2265-IC2265	P52546.D	09/30/10	14:45	02:12	Initial cal 10
EP2265-IC2265	P52547.D	09/30/10	15:15	02:42	Initial cal 25
EP2265-IC2265	P52548.D	09/30/10	15:45	03:12	Initial cal 80
EP2265-IC2265	P52549.D	09/30/10	16:14	03:41	Initial cal 100
EP2265-ICV2264	P52550.D	09/30/10	16:44	04:11	Initial cal verification 50
EP2265-ICV2264	P52551.D	09/30/10	17:14	04:41	Initial cal verification 50
EP2265-ICV2265	P52551A.D	09/30/10	17:14	04:41	Initial cal verification 50
EP2265-ICV2264	P52552.D	09/30/10	17:44	05:11	Initial cal verification 50
EP2265-ICV2265	P52553.D	09/30/10	18:13	05:40	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2277-DFTPP	Injection Date: 10/14/10
Lab File ID: P52845.D	Injection Time: 07:32
Instrument ID: GCMSP	

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance	Pass/Fail
51	30.0 - 60.0% of mass 198	28698	42.6	Pass
68	Less than 2.0% of mass 69	59	0.09 (0.20) ^a	Pass
69	Mass 69 relative abundance	28895	42.9	Pass
70	Less than 2.0% of mass 69	189	0.28 (0.65) ^a	Pass
127	40.0 - 60.0% of mass 198	35333	52.5	Pass
197	Less than 1.0% of mass 198	0	0.00	Pass
198	Base peak, 100% relative abundance	67320	100.0	Pass
199	5.0 - 9.0% of mass 198	4554	6.76	Pass
275	10.0 - 30.0% of mass 198	16698	24.8	Pass
365	1.0 - 100.0% of mass 198	1851	2.75	Pass
441	Present, but less than mass 443	9625	14.3 (79.3) ^b	Pass
442	40.0 - 100.0% of mass 198	61784	91.8	Pass
443	17.0 - 23.0% of mass 442	12141	18.0 (19.7) ^c	Pass

(a) Value is % of mass 69

(b) Value is % of mass 443

(c) Value is % of mass 442

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EP2277-CC2264	P52846.D	10/14/10	07:46	00:14	Continuing cal 25
EP2277-CC2265	P52847.D	10/14/10	08:16	00:44	Continuing cal 50
OP46138-MB1	P52849.D	10/14/10	09:16	01:44	Method Blank
OP46138-BS1	P52850.D	10/14/10	09:43	02:11	Blank Spike
ZZZZZZ	P52851.D	10/14/10	10:11	02:39	(unrelated sample)
ZZZZZZ	P52852.D	10/14/10	10:38	03:06	(unrelated sample)
JA58043-5	P52853.D	10/14/10	11:06	03:34	FB10610
JA58499-1	P52854.D	10/14/10	11:33	04:01	(used for QC only; not part of job JA58043)
OP46138-MS	P52855.D	10/14/10	12:01	04:29	Matrix Spike
OP46138-MSD	P52856.D	10/14/10	12:29	04:57	Matrix Spike Duplicate
ZZZZZZ	P52857.D	10/14/10	13:15	05:43	(unrelated sample)
ZZZZZZ	P52858.D	10/14/10	13:43	06:11	(unrelated sample)
ZZZZZZ	P52859.D	10/14/10	14:11	06:39	(unrelated sample)
ZZZZZZ	P52860.D	10/14/10	14:38	07:06	(unrelated sample)
ZZZZZZ	P52862.D	10/14/10	15:34	08:02	(unrelated sample)
ZZZZZZ	P52864.D	10/14/10	16:29	08:57	(unrelated sample)
ZZZZZZ	P52865.D	10/14/10	16:57	09:25	(unrelated sample)
ZZZZZZ	P52866.D	10/14/10	17:25	09:53	(unrelated sample)

Semivolatile Internal Standard Area Summary

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Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Check Std: E3E1333-CC1331	Injection Date: 10/12/10
Lab File ID: 3E30106.D	Injection Time: 09:41
Instrument ID: GCMS3E	Method: SW846 8270C

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	173235	3.20	681035	4.85	430521	7.49	688704	9.75	655601	13.33	550438	14.69
Upper Limit ^a	346470	3.70	1362070	5.35	861042	7.99	1377408	10.25	1311202	13.83	1100876	15.19
Lower Limit ^b	86618	2.70	340518	4.35	215261	6.99	344352	9.25	327801	12.83	275219	14.19

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT
OP46062-MB1	163592	3.20	615414	4.85	380379	7.49	597251	9.75	549933	13.33	467660	14.69
OP46062-BS1	162467	3.20	610119	4.85	375975	7.49	592410	9.75	578346	13.33	500032	14.69
OP46062-MS	165696	3.20	623277	4.85	387167	7.49	609222	9.75	604218	13.33	522463	14.69
OP46062-MSD	163069	3.20	627327	4.85	394867	7.49	626369	9.75	619998	13.33	544378	14.69
JA58117-4A	165899	3.20	636726	4.85	399123	7.49	639683	9.75	606858	13.33	525629	14.69
ZZZZZZ	170844	3.20	651576	4.85	401382	7.49	632502	9.75	598023	13.33	513531	14.69
ZZZZZZ	161271	3.20	629096	4.85	402556	7.49	642374	9.75	610241	13.33	528666	14.69
ZZZZZZ	168771	3.20	641301	4.85	403442	7.49	638921	9.75	609276	13.33	529927	14.69
OP46111-MB1	163220	3.20	637303	4.85	405341	7.49	656250	9.75	631227	13.33	541171	14.69
OP46111-BS1	165004	3.20	637364	4.85	400173	7.49	654022	9.75	648452	13.33	563162	14.70
JA58505-2A	141042	3.20	603764	4.85	414199	7.49	693988	9.75	659766	13.33	563174	14.69
ZZZZZZ	179304	3.20	706684	4.85	448393	7.49	718331	9.75	696574	13.33	611011	14.69
ZZZZZZ	203443	3.20	782218	4.85	490144	7.49	767779	9.75	743896	13.33	649607	14.69
ZZZZZZ	204994	3.20	810429	4.85	516672	7.49	842306	9.75	805791	13.33	696504	14.69
ZZZZZZ	149159	3.20	607844	4.85	406890	7.49	667281	9.75	632141	13.33	536711	14.69
ZZZZZZ	162287	3.20	625812	4.85	388361	7.49	624008	9.75	595956	13.33	514040	14.69
ZZZZZZ	154679	3.20	583005	4.85	372591	7.49	593592	9.75	566612	13.33	490261	14.69
ZZZZZZ	165752	3.20	635887	4.85	406513	7.49	638164	9.75	598413	13.33	511414	14.69
ZZZZZZ	157944	3.20	600503	4.85	383136	7.49	610596	9.75	584246	13.33	503450	14.69
ZZZZZZ	160833	3.20	625793	4.85	392245	7.49	616232	9.75	582892	13.33	493838	14.69
ZZZZZZ	165011	3.20	637431	4.85	396306	7.49	632501	9.75	574580	13.33	487551	14.69
ZZZZZZ	164343	3.20	631316	4.85	396702	7.49	627210	9.75	585540	13.33	488765	14.69
ZZZZZZ	161332	3.20	615984	4.85	392114	7.49	626852	9.75	570834	13.33	465672	14.69
ZZZZZZ	167486	3.20	641223	4.85	399921	7.49	632576	9.75	573334	13.33	481379	14.69
ZZZZZZ	179605	3.20	672348	4.85	422230	7.49	647591	9.75	573560	13.33	462340	14.70
ZZZZZZ	162871	3.20	625089	4.85	388955	7.50	608952	9.75	531302	13.33	435803	14.70
JA58043-2	172746	3.21	659370	4.85	411373	7.50	627800	9.75	544072	13.33	457280	14.70

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

Semivolatile Internal Standard Area Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Check Std:	E3E1333-CC1331	Injection Date:	10/12/10
Lab File ID:	3E30106.D	Injection Time:	09:41
Instrument ID:	GCMS3E	Method:	SW846 8270C

Lab	IS 1	IS 2	IS 3	IS 4	IS 5	IS 6
Sample ID	AREA RT	AREA RT	AREA RT	AREA RT	AREA RT	AREA RT

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

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Semivolatile Internal Standard Area Summary

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Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Check Std: E3E1334-CC1331	Injection Date: 10/13/10
Lab File ID: 3E30138.D	Injection Time: 10:09
Instrument ID: GCMS3E	Method: SW846 8270C

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	197047	3.20	775580	4.85	493768	7.49	806135	9.75	791069	13.33	703021	14.70
Upper Limit ^a	394094	3.70	1551160	5.35	987536	7.99	1612270	10.25	1582138	13.83	1406042	15.20
Lower Limit ^b	98524	2.70	387790	4.35	246884	6.99	403068	9.25	395535	12.83	351511	14.20

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP46092-MB1	168687	3.20	639056	4.84	392203	7.49	623003	9.75	593056	13.33	505614	14.69
OP46092-BS1	168145	3.20	626232	4.85	390479	7.49	625791	9.75	605193	13.33	541052	14.70
OP46111-MS	205567	3.20	780000	4.85	493943	7.49	784044	9.75	778264	13.33	684713	14.70
OP46111-MSD	147754	3.20	625569	4.85	415233	7.49	675608	9.75	660181	13.33	569564	14.70
ZZZZZZ	144225	3.20	560502	4.84	347116	7.49	549425	9.75	542861	13.33	493445	14.69
ZZZZZZ	164910	3.20	628759	4.84	387481	7.49	606902	9.75	585387	13.33	532350	14.69
ZZZZZZ	168228	3.20	619928	4.84	381557	7.49	608927	9.75	584371	13.33	515534	14.69
ZZZZZZ	155259	3.20	580298	4.84	357045	7.49	552491	9.75	528710	13.33	467018	14.69
ZZZZZZ	149754	3.20	568413	4.84	362805	7.49	577677	9.74	555011	13.33	488132	14.69
ZZZZZZ	154985	3.20	588818	4.84	358391	7.49	540687	9.75	514094	13.33	458004	14.69
ZZZZZZ	171068	3.20	628195	4.84	386588	7.49	601250	9.75	578692	13.33	519377	14.69
ZZZZZZ	161663	3.20	597525	4.84	373499	7.49	579723	9.74	541399	13.33	486854	14.69
ZZZZZZ	173007	3.20	636031	4.84	391053	7.49	608475	9.74	597179	13.33	528967	14.69
JA58315-3	163221	3.20	608191	4.84	373394	7.49	597283	9.75	554942	13.33	474126	14.69
OP46092-MS	160727	3.20	576690	4.85	351663	7.49	557872	9.75	531736	13.33	453232	14.70
OP46092-MSD	167774	3.20	595297	4.86	363400	7.49	578743	9.75	556718	13.33	474554	14.70
JA58043-3	197816	3.20	781154	4.85	498403	7.49	786093	9.75	706199	13.33	588605	14.70
JA58043-4	198789	3.20	782957	4.85	497875	7.49	787620	9.75	688186	13.33	573777	14.70
JA58043-4	178162	3.20	646375	4.85	380605	7.49	585399	9.76	533011	13.36	476393	14.73
JA58043-3	170230	3.20	633671	4.85	376929	7.50	582370	9.76	520717	13.35	463725	14.72
ZZZZZZ	191612	3.21	689888	4.87	396889	7.56	629828	9.83	554481	13.36	466413	14.72
ZZZZZZ	160363	3.20	566450	4.85	329427	7.51	518738	9.78	462159	13.37	425544	14.75
ZZZZZZ	159705	3.21	582018	4.87	341114	7.52	516346	9.79	512392	13.41	422515	14.82
ZZZZZZ	121522	3.22	490475	4.89	286046	7.56	441740	9.83	432691	13.40	415668	14.80

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatiles Internal Standard Area Summary

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Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Check Std: EP2277-CC2264	Injection Date: 10/14/10
Lab File ID: P52846.D	Injection Time: 07:46
Instrument ID: GCMSP	Method: SW846 8270C

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	142481	4.95	528634	6.75	308291	9.51	505204	11.82	465258	14.99	393316	16.51
Upper Limit ^a	284962	5.45	1057268	7.25	616582	10.01	1010408	12.32	930516	15.49	786632	17.01
Lower Limit ^b	71241	4.45	264317	6.25	154146	9.01	252602	11.32	232629	14.49	196658	16.01

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP46138-MB1	138745	4.94	514403	6.75	296502	9.51	477979	11.81	444177	14.98	336594	16.50
OP46138-BS1	121155	4.94	433506	6.75	253425	9.51	401929	11.81	375834	14.98	326579	16.50
ZZZZZZ	141964	4.94	533282	6.74	307798	9.50	494179	11.81	464327	14.98	356036	16.49
ZZZZZZ	148303	4.94	553978	6.74	322369	9.50	515656	11.81	494190	14.98	381197	16.49
JA58043-5	137520	4.94	515508	6.74	296902	9.50	478092	11.81	451752	14.98	350955	16.50
JA58499-1	143177	4.94	532016	6.74	304939	9.50	488788	11.81	468785	14.98	367898	16.50
OP46138-MS	121751	4.94	439768	6.75	251143	9.51	406785	11.81	383779	14.98	339790	16.50
OP46138-MSD	123080	4.94	452828	6.75	258660	9.51	415976	11.81	391242	14.98	349603	16.50
ZZZZZZ	142911	4.94	532527	6.74	304519	9.50	491586	11.81	472351	14.97	375890	16.49
ZZZZZZ	143211	4.94	527886	6.74	301003	9.50	481987	11.81	469459	14.98	381726	16.49
ZZZZZZ	159424	4.94	582683	6.74	333763	9.50	533141	11.81	520412	14.98	423282	16.49
ZZZZZZ	144201	4.94	522098	6.74	284804	9.50	423227	11.81	392227	14.97	322772	16.49
ZZZZZZ	73853	4.94	318006	6.74	202875	9.50	359734	11.81	378865	14.98	292232	16.50
ZZZZZZ	142039	4.94	509420	6.74	275427	9.50	387777	11.81	350043	14.97	297181	16.49
ZZZZZZ	153582	4.94	553587	6.74	301747	9.50	429049	11.81	376774	14.98	323611	16.49
ZZZZZZ	146511	4.94	529664	6.74	286287	9.51	422888	11.81	362054	14.98	319334	16.49

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

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

Semivolatile Surrogate Recovery Summary

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Method: SW846 8270C	Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JA58043-5	P52853.D	43.0 ^a	36.0 ^a	101.0 ^a	85.0 ^a	81.0 ^a	80.0 ^a
OP46138-BS1	P52850.D	55.0 ^a	41.0 ^a	106.0 ^a	87.0 ^a	78.0 ^a	89.0 ^a
OP46138-MB1	P52849.D	44.0 ^a	33.0 ^a	98.0 ^a	82.0 ^a	77.0 ^a	78.0 ^a
OP46138-MS	P52855.D	65.0 ^a	61.0 ^a	102.0 ^a	83.0 ^a	76.0 ^a	88.0 ^a
OP46138-MSD	P52856.D	64.0 ^a	57.0 ^a	102.0 ^a	84.0 ^a	77.0 ^a	89.0 ^a

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	13-68%
S2 = Phenol-d5	10-49%
S3 = 2,4,6-Tribromophenol	37-130%
S4 = Nitrobenzene-d5	25-112%
S5 = 2-Fluorobiphenyl	31-106%
S6 = Terphenyl-d14	14-122%

(a) surrogate double spiked.

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58043

Account: FLSNYYY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Method: SW846 8270C

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JA58043-2	3E30127.D	78.0 ^a	75.0 ^a	97.0 ^a	71.0 ^a	74.0 ^a	86.0 ^a
JA58043-3	3E30159.D	74.0* ^a	71.0* ^b	96.0* ^b	69.0* ^c	73.0* ^b	86.0* ^b
JA58043-3	3E30156.D	78.0* ^d	76.0* ^e	90.0* ^d	69.0* ^e	72.0* ^e	87.0* ^e
JA58043-4	3E30158.D	67.0	63.0	85.0	65.0	69.0	77.0
JA58043-4	3E30157.D	74.0	71.0	83.0	70.0	74.0	88.0
OP46062-BS1	3E30109.D	85.0 ^f	80.0 ^f	107.0 ^f	78.0 ^f	83.0 ^f	95.0 ^f
OP46062-MB1	3E30108.D	90.0 ^b	84.0 ^f	97.0 ^f	80.0 ^f	83.0 ^f	98.0 ^f
OP46062-MS	3E30110.D	88.0	83.0	109.0	79.0	83.0	94.0
OP46062-MSD	3E30111.D	84.0	82.0	109.0	73.0	79.0	89.0

Surrogate Compounds

Recovery Limits

S1 = 2-Fluorophenol	30-109%
S2 = Phenol-d5	28-108%
S3 = 2,4,6-Tribromophenol	28-125%
S4 = Nitrobenzene-d5	28-113%
S5 = 2-Fluorobiphenyl	38-107%
S6 = Terphenyl-d14	31-116%

- (a) double spiked- recalculated
- (b) double spiked-recalculated
- (c) double spiked -recalculated
- (d) double surr spiked-recalculated
- (e) double surr spiked recalculated
- (f) double spiked recalculated

7.6.2

7

Initial Calibration Summary

Page 1 of 3

Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1331-ICC1331
Lab FileID: 3E30091.D

Response Factor Report GCMS3E

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration

Calibration Files

2 =3e30084.D 5 =3e30088.D 25 =3e30090.D 80 =3e30086.D
100 =3e30085.D 50 =3e30091.D 1 =3e30087.D 10 =3e30089.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	-----ISTD-----									
2) 1,4-Dioxane	0.560	0.468	0.513	0.480	0.465	0.500	0.589	0.500	0.509	8.64
3) Pyridine	1.173	1.286	1.396	1.354	1.309	1.384	1.570	1.350	1.352	8.32
4) N-Nitrosodim	0.800	0.820	0.853	0.821	0.793	0.859	0.876	0.844	0.833	3.51
5) 2-Fluorophen	1.303	1.287	1.371	1.377	1.338	1.414	1.233	1.363	1.336	4.37
6) Indene	2.087	2.086	2.171	2.046	1.961	2.160	2.120	2.180	2.101	3.51
7) Cumene	2.785	2.779	2.840	2.674	2.561	2.831	2.805	2.860	2.767	3.64
8) Phenol-d5	1.690	1.741	1.815	1.765	1.727	1.836	1.783	1.794	1.769	2.72
9) Phenol	1.905	1.945	2.049	1.952	1.910	2.039	2.020	2.016	1.979	2.94
10) Aniline	2.182	2.139	2.323	1.815	1.731	2.266	2.415	2.099	2.121	11.25
11) bis(2-Chloro	1.388	1.390	1.417	1.334	1.290	1.410	1.516	1.416	1.395	4.73
12) 2-Chlorophen	1.424	1.467	1.535	1.499	1.455	1.553	1.529	1.540	1.500	3.12
13) Decane	1.627	1.635	1.695	1.540	1.467	1.669	1.670	1.705	1.626	5.06
14) 1,3-Dichloro	1.576	1.571	1.642	1.542	1.469	1.635	1.612	1.637	1.585	3.75
15) 1,4-Dichloro	1.653	1.646	1.662	1.571	1.498	1.635	1.708	1.663	1.630	4.01
16) Benzyl alcoh	0.947	1.020	1.066	1.040	1.016	1.079	1.001	1.045	1.027	4.02
17) 1,2-Dichloro	1.539	1.518	1.568	1.452	1.409	1.551	1.577	1.582	1.524	4.11
18) Acetophenone	1.977	1.970	2.050	1.911	1.852	1.996	1.945	1.977	1.960	3.01
19) 2-Methylphen	1.295	1.334	1.399	1.314	1.271	1.391	1.308	1.357	1.334	3.43
20) 2,2'-oxybis(	0.543	0.544	0.569	0.538	0.519	0.563	0.560	0.571	0.551	3.26
21) 3&4-Methylph	1.413	1.425	1.513	1.427	1.401	1.510	1.444	1.488	1.453	3.06
22) n-Nitroso-di	1.006	1.028	1.056	0.980	0.953	1.037	1.059	1.021	1.018	3.59
23) Hexachloroet	0.503	0.481	0.517	0.474	0.464	0.509	0.546	0.522	0.502	5.47
24) I Naphthalene-d8	-----ISTD-----									
25) Nitrobenzene	0.382	0.392	0.409	0.382	0.373	0.404	0.399	0.397	0.392	3.16
26) Nitrobenzene	0.195	0.201	0.212	0.199	0.197	0.216	0.208	0.208	0.204	3.67
27) Quinoline	0.659	0.708	0.746	0.701	0.689	0.751	0.715	0.718	0.711	4.19
28) Isophorone	0.646	0.694	0.720	0.657	0.643	0.728	0.686	0.711	0.686	4.91
29) 2-Nitropheno	0.195	0.210	0.224	0.215	0.212	0.226	0.200	0.215	0.212	5.03
30) 2,4-Dimethyl	0.320	0.327	0.388	0.355	0.357	0.388	0.328	0.328	0.349	7.93
31) Benzoic acid			0.259	0.257	0.302	0.285		0.207	0.262	13.70
32) bis(2-Chloro	0.408	0.424	0.435	0.404	0.400	0.443	0.431	0.425	0.421	3.73
33) 2,4-Dichloro	0.291	0.310	0.333	0.315	0.309	0.335	0.296	0.316	0.313	5.01
34) 2,6-Dichloro	0.295	0.307	0.324	0.308	0.303	0.330	0.289	0.322	0.310	4.71
35) 1,3,5-Trichl	0.324	0.317	0.335	0.307	0.303	0.332	0.324	0.333	0.322	3.67
36) 1,2,4-Trichl	0.319	0.328	0.331	0.308	0.303	0.328	0.343	0.330	0.324	4.08
37) 1,2,3-Trichl	0.300	0.307	0.319	0.295	0.296	0.321	0.314	0.314	0.308	3.31
38) Naphthalene	1.158	1.179	1.212	1.103	1.068	1.204	1.230	1.188	1.168	4.79
39) 4-Chloroanil	0.460	0.497	0.523	0.462	0.450	0.529	0.504	0.498	0.490	6.03
40) 2,3-Dichloro	0.346	0.365	0.385	0.353	0.349	0.381	0.365	0.361	0.363	3.89
41) Caprolactam	0.176	0.182	0.199	0.191	0.191	0.206	0.181	0.187	0.189	5.20
42) Hexachlorobu	0.158	0.165	0.168	0.159	0.158	0.169	0.178	0.170	0.166	4.27
43) 4-Chloro-3-m	0.306	0.329	0.346	0.330	0.330	0.353	0.317	0.331	0.330	4.48
44) 2-Methylnaph	0.742	0.797	0.832	0.762	0.749	0.827	0.791	0.787	0.786	4.24
45) 1-Methylnaph	0.674	0.744	0.768	0.701	0.689	0.767	0.735	0.745	0.728	4.90

Initial Calibration Summary

Page 2 of 3

Job Number: JA58043

Sample: E3E1331-ICC1331

Account: FLSNYNY Fleming-Lee Shue, Inc.

Lab FileID: 3E30091.D

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

46)	Dimethylnaph	0.617	0.665	0.694	0.641	0.633	0.691	0.636	0.672	0.656	4.34
47)	I Acenaphthene-d10	-----ISTD-----									
48)	Hexachlorocy	0.226	0.247	0.270	0.261	0.253	0.273	0.234	0.260	0.253	6.65
49)	2,4,6-Trichl	0.312	0.324	0.364	0.348	0.338	0.361	0.321	0.345	0.339	5.56
50)	2,4,5-Trichl	0.318	0.332	0.379	0.362	0.356	0.382	0.348	0.347	0.353	6.15
51)	2-Fluorobiph	1.375	1.390	1.467	1.321	1.280	1.426	1.404	1.414	1.385	4.29
52)	2-Chloronaph	1.126	1.129	1.203	1.100	1.061	1.194	1.174	1.176	1.145	4.34
53)	Biphenyl	1.450	1.459	1.561	1.403	1.347	1.509	1.516	1.490	1.467	4.64
54)	2-Nitroanili	0.316	0.342	0.377	0.359	0.350	0.383	0.319	0.355	0.350	6.91
55)	Dimethylphth	1.288	1.335	1.408	1.289	1.232	1.400	1.364	1.362	1.335	4.58
56)	Acenaphthyle	1.653	1.785	1.977	1.793	1.711	1.947	1.818	1.893	1.822	6.15
57)	2,6-Dinitrot	0.275	0.291	0.324	0.305	0.295	0.328	0.287	0.308	0.302	5.99
58)	3-Nitroanili	0.308	0.340	0.384	0.358	0.348	0.387	0.345	0.366	0.354	7.17
59)	Acenaphthene	1.139	1.141	1.228	1.110	1.056	1.210	1.207	1.181	1.159	5.03
60)	2,4-Dinitrop		0.105	0.148	0.173	0.171	0.167		0.124	0.148	19.02
----- Linear regression ----- Coefficient = 0.9996											
Response Ratio = -0.02515 + 0.17688 *A											
61)	4-Nitropheno	0.117	0.131	0.159	0.166	0.163	0.165		0.143	0.149	13.01
62)	Dibenzofuran	1.624	1.651	1.775	1.577	1.526	1.725	1.687	1.710	1.659	4.94
63)	2,4-Dinitrot	0.366	0.403	0.440	0.414	0.405	0.443	0.354	0.419	0.406	7.84
64)	2,3,4,6-Tetr	0.227	0.233	0.287	0.282	0.277	0.288	0.227	0.265	0.261	10.45
65)	Diethylphtha	1.259	1.322	1.397	1.276	1.233	1.368	1.241	1.350	1.306	4.77
66)	Fluorene	1.210	1.325	1.414	1.293	1.231	1.397	1.319	1.346	1.317	5.45
67)	4-Chlorophen	0.603	0.627	0.653	0.590	0.573	0.638	0.632	0.636	0.619	4.44
68)	4-Nitroanili	0.325	0.347	0.383	0.362	0.352	0.385	0.329	0.370	0.356	6.35
69)	I Phenanthrene-d10	-----ISTD-----									
70)	4,6-Dinitro-		0.106	0.144	0.157	0.158	0.156		0.128	0.142	14.65
71)	n-Nitrosodip	0.554	0.577	0.631	0.579	0.561	0.639	0.611	0.620	0.596	5.50
72)	1,2-Diphenyl	0.771	0.808	0.883	0.790	0.762	0.864	0.753	0.853	0.811	6.19
73)	2,4,6-Tribo	0.068	0.071	0.084	0.088	0.086	0.089	0.068	0.077	0.079	11.61
74)	4-Bromopheny	0.186	0.196	0.214	0.198	0.192	0.213	0.197	0.204	0.200	4.95
75)	Hexachlorobe	0.208	0.203	0.212	0.197	0.191	0.210	0.216	0.205	0.205	3.99
76)	Pentachlorop	0.100	0.107	0.131	0.145	0.142	0.142		0.117	0.126	14.56
77)	Phenanthrene	1.120	1.139	1.208	1.074	1.030	1.192	1.230	1.173	1.146	6.01
78)	Anthracene	1.050	1.127	1.216	1.056	1.007	1.191	1.154	1.166	1.121	6.68
79)	Carbazole	0.990	1.071	1.170	1.057	1.014	1.176	1.053	1.113	1.080	6.29
80)	Di-n-butylph	1.088	1.264	1.431	1.317	1.270	1.453	1.168	1.355	1.293	9.60
81)	Fluoranthene	1.026	1.135	1.245	1.157	1.100	1.250	1.093	1.214	1.152	6.93
82)	Octadecane	0.494	0.516	0.578	0.530	0.511	0.585	0.494	0.556	0.533	6.75
83)	I Chrysene-d12	-----ISTD-----									
84)	Pyrene	1.176	1.286	1.391	1.232	1.182	1.375	1.241	1.310	1.274	6.37
85)	Terphenyl-d1	0.656	0.740	0.823	0.765	0.730	0.829	0.706	0.781	0.754	7.74
86)	Butylbenzylp	0.417	0.502	0.634	0.611	0.592	0.666		0.563	0.569	14.94
87)	Butyl steara	0.292	0.383	0.390	0.390	0.378	0.414	0.369	0.364	0.373	9.63
88)	Benzo[a]anth	0.950	1.005	1.134	1.056	1.012	1.141	1.056	1.058	1.052	6.11
89)	3,3'-Dichlor	0.261	0.320	0.403	0.406	0.390	0.420	0.260	0.349	0.351	18.44
----- Linear regression ----- Coefficient = 0.9984											
Response Ratio = -0.00315 + 0.40084 *A											
90)	Chrysene	1.044	1.100	1.164	1.035	0.994	1.160	1.197	1.119	1.102	6.52
91)	bis(2-Ethylh	0.466	0.644	0.814	0.812	0.776	0.868		0.717	0.728	18.79
----- Linear regression ----- Coefficient = 0.9966											
Response Ratio = -0.00003 + 0.80010 *A											
92)	I Perylene-d12	-----ISTD-----									

Initial Calibration Summary

Page 3 of 3

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1331-ICC1331
Lab FileID: 3E30091.D

93)	Di-n-octylph	0.671	0.993	1.488	1.564	1.492	1.665	1.184	1.294	27.83
	----- Linear regression -----	Coefficient = 0.9962								
		Response Ratio = -0.03555 + 1.55458 *A								
94)	Benzo[b]fluo	0.534	0.841	1.077	1.272	1.169	0.567	0.966	0.918	31.21
	----- Linear regression -----	Coefficient = 0.9973								
		Response Ratio = -0.06292 + 1.27317 *A								
95)	Benzo[k]fluo	1.446	1.464	1.622	1.193	1.003	1.526	1.311	1.541	14.88
96)	Benzo[a]pyre	0.656	0.818	1.138	1.136	1.096	1.201	0.531	0.941	26.48
	----- Linear regression -----	Coefficient = 0.9978								
		Response Ratio = -0.01259 + 1.12963 *A								
97)	Indeno[1,2,3	0.863	1.003	1.366	1.314	1.265	1.411	0.686	1.171	22.90
	----- Linear regression -----	Coefficient = 0.9971								
		Response Ratio = 0.00033 + 1.30180 *A								
98)	Dibenz(a,h)a	0.390	0.577	0.898	0.961	0.933	0.994	0.416	0.701	33.82
	----- Linear regression -----	Coefficient = 0.9985								
		Response Ratio = -0.03050 + 0.96409 *A								
99)	Dibenz[a,h]a	0.639	0.792	1.109	1.106	1.069	1.165	0.604	0.920	24.08
	----- Linear regression -----	Coefficient = 0.9980								
		Response Ratio = -0.01224 + 1.09990 *A								
100)	7,12-Dimethy	0.376	0.454	0.599	0.544	0.523	0.605	0.503	0.515	15.71
	----- Linear regression -----	Coefficient = 0.9942								
		Response Ratio = 0.01190 + 0.53613 *A								
101)	Benzo[g,h,i]	0.888	1.043	1.218	1.123	1.071	1.227	0.806	1.095	13.94

(#) = Out of Range ### Number of calibration levels exceeded format ###

M3E1331.M

Tue Oct 12 15:30:42 2010

3E

Initial Calibration Summary

Page 1 of 1

Job Number: JA58043**Sample:** E3E1332-ICC1332**Account:** FLSNYYY Fleming-Lee Shue, Inc.**Lab FileID:** 3E30095.D**Project:** Surf Avenue, 1709 Surf Avenue, Brooklyn, NY**Response Factor Report GCMS3E**

Method : C:\msdchem\1\METHODS\M3E1332.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Calibration Files

2 =3e30099.D 5 =3e30098.D 25 =3e30096.D 80 =3e30094.D
 100 =3e30093.D 50 =3e30095.D 1 =3e30100.D 10 =3e30097.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
102) 1,4-Dichlorobenzene-d	-----ISTD-----								
103) Benzaldehyde	1.187	1.099	1.071	0.979	0.853	1.036	0.828	1.044	12.01
104) Acenaphthene-d10a	-----ISTD-----								
105) 1,2,4,5-Tetr	0.518	0.487	0.484	0.471	0.422	0.475	0.372	0.461	9.76
106) Phenanthrene-d10a	-----ISTD-----								
107) Atrazine	0.096	0.107	0.116	0.105	0.112		0.091	0.105	9.00
108) Benzidine	0.280	0.499	0.388	0.325	0.545		0.351	0.398	26.00
----- Quadratic regression -----									Coefficient = 0.9924
Response Ratio = -0.08657 + 0.80368 *A + -0.17917 *A^2									

 (#) = Out of Range ### Number of calibration levels exceeded format ###

M3E1331.M

Tue Oct 12 15:29:01 2010

3E

Initial Calibration Verification

Page 1 of 1

Job Number: JA58043
 Account: FLSNYYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1332-ICV1331
 Lab FileID: 3E30101.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1331\3e30101.D Vial: 18
 Acq On : 11 Oct 2010 11:13 pm Operator: olgaa
 Sample : icv1331-50 Inst : GCMS3E
 Misc : op45964,e3e1332, Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:17:46 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	128	0.00	3.20
9 t	Phenol	1.979	1.759	11.1	110	0.00	2.91
12 t	2-Chlorophenol	1.500	1.469	2.1	121	0.00	3.01
19 t	2-Methylphenol	1.334	1.309	1.9	120	0.00	3.61
21 t	3&4-Methylphenol	1.453	1.387	4.5	117	-0.01	3.80
24 I	Naphthalene-d8	1.000	1.000	0.0	131	0.00	4.85
29 t	2-Nitrophenol	0.212	0.201	5.2	116	0.00	4.37
30 t	2,4-Dimethylphenol	0.349	0.350	-0.3	118	0.00	4.51
31 t	Benzoic acid	0.262	0.215	17.9	99	0.00	4.74
33 t	2,4-Dichlorophenol	0.313	0.292	6.7	114	0.00	4.71
34 t	2,6-Dichlorophenol	0.310	0.293	5.5	116	0.00	5.04
43 t	4-Chloro-3-methylphenol	0.330	0.304	7.9	113	-0.02	5.82
47 I	Acenaphthene-d10	1.000	1.000	0.0	127	0.00	7.49
49 t	2,4,6-Trichlorophenol	0.339	0.328	3.2	115	0.00	6.41
50 t	2,4,5-Trichlorophenol	0.353	0.348	1.4	116	-0.01	6.45
60 t	2,4-Dinitrophenol	100.000	93.678	6.3	110	-0.01	7.68
61 t	4-Nitrophenol	0.149	0.138	7.4	106	-0.01	7.89
64	2,3,4,6-Tetrachlorophenol	0.261	0.242	7.3	107	0.00	8.09
69 I	Phenanthrene-d10	1.000	1.000	0.0	131	0.00	9.75
70 t	4,6-Dinitro-2-methylpheno	0.142	0.130	8.5	109	-0.01	8.55
76 t	Pentachlorophenol	0.126	0.120	4.8	110	-0.01	9.61

(#) = Out of Range
 3e30095.D M3E1331.M

SPCC's out = 0 CCC's out = 0
 Tue Oct 12 15:13:14 2010 3E

Initial Calibration Verification

Page 1 of 2

Job Number: JA58043
 Account: FLSNYYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1332-ICV1331
 Lab FileID: 3E30102.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1331\3e30102.D Vial: 19
 Acq On : 11 Oct 2010 11:38 pm Operator: olgaa
 Sample : icv1331-50 Inst : GCMS3E
 Misc : op45964,e3e1332, Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:17:46 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	3.20
2 t	1,4-Dioxane	0.509	0.496	2.6	100	0.00	1.05
3 t	Pyridine	1.352	1.456	-7.7	107	0.00	1.20
4 t	N-Nitrosodimethylamine	0.833	0.882	-5.9	104	0.00	1.20
6 t	Indene	2.101	2.069	1.5	97	0.00	3.53
7 t	Cumene	2.767	2.549	7.9	91	0.00	2.43
11 t	bis(2-Chloroethyl)ether	1.395	1.465	-5.0	105	0.00	2.98
13 t	Decane	1.626	1.591	2.2	97	0.00	3.09
14 t	1,3-Dichlorobenzene	1.585	1.745	-10.1	108	0.00	3.16
15 t	1,4-Dichlorobenzene	1.630	1.774	-8.8	110	0.00	3.22
16 t	Benzyl alcohol	1.027	1.117	-8.8	105	0.00	3.42
17 t	1,2-Dichlorobenzene	1.524	1.677	-10.0	109	0.00	3.44
18 t	Acetophenone	1.960	2.111	-7.7	107	0.00	3.74
20 t	2,2'-oxybis(1-Chloropropa	0.551	0.599	-8.7	108	0.00	3.62
22 t	n-Nitroso-di-n-propylamin	1.018	1.057	-3.8	103	0.00	3.80
23 t	Hexachloroethane	0.502	0.558	-11.2	111	0.00	3.81
24 I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	4.85
26 t	Nitrobenzene	0.204	0.217	-6.4	102	0.00	3.95
27 t	Quinoline	0.711	0.795	-11.8	108	-0.01	5.37
28 t	Isophorone	0.686	0.752	-9.6	105	0.00	4.27
32 t	bis(2-Chloroethoxy)methan	0.421	0.465	-10.5	107	0.00	4.64
36 t	1,2,4-Trichlorobenzene	0.324	0.354	-9.3	110	0.00	4.81
38 t	Naphthalene	1.168	1.254	-7.4	106	0.00	4.88
40 t	2,3-Dichloroaniline	0.363	0.369	-1.7	98	0.00	6.40
41 t	Caprolactam	0.189	0.181	4.2	89	-0.05	5.49
42 t	Hexachlorobutadiene	0.166	0.185	-11.4	111	0.00	5.19
44 t	2-Methylnaphthalene	0.786	0.794	-1.0	98	0.00	5.90
45 t	1-Methylnaphthalene	0.728	0.761	-4.5	101	0.00	6.05
46 t	Dimethylnaphthalene	0.656	0.695	-5.9	102	0.00	6.86
47 I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00	7.50
48 t	Hexachlorocyclopentadiene	0.253	0.328	-29.6#	118	0.00	6.27
52 t	2-Chloronaphthalene	1.145	1.249	-9.1	103	0.00	6.62
53 t	Biphenyl	1.467	1.557	-6.1	101	0.00	6.65
54 t	2-Nitroaniline	0.350	0.356	-1.7	91	0.00	6.88
55 t	Dimethylphthalate	1.335	1.431	-7.2	100	0.00	7.28
56 t	Acenaphthylene	1.822	1.787	1.9	90	0.00	7.25
57 t	2,6-Dinitrotoluene	0.302	0.320	-6.0	96	0.00	7.35
58 t	3-Nitroaniline	0.354	0.313	11.6	80	0.00	7.53
59 t	Acenaphthene	1.159	1.255	-8.3	102	0.00	7.55

Initial Calibration Verification

Page 2 of 2

Job Number: JA58043
 Account: FLSNYYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1332-ICV1331
 Lab FileID: 3E30102.D

62 t	Dibenzofuran	1.659	1.734	-4.5	99	0.00	7.80
63 t	2,4-Dinitrotoluene	0.406	0.425	-4.7	94	0.00	7.94
65 t	Diethylphthalate	1.306	1.373	-5.1	99	0.00	8.41
66 t	Fluorene	1.317	1.456	-10.6	102	0.00	8.33
67 t	4-Chlorophenyl-phenylethe	0.619	0.651	-5.2	100	0.00	8.40
68 t	4-Nitroaniline	0.356	0.364	-2.2	93	-0.01	8.49
69 I	Phenanthrene-d10	1.000	1.000	0.0	99	0.00	9.75
71 t	n-Nitrosodiphenylamine	0.596	0.637	-6.9	99	0.00	8.61
72 t	1,2-Diphenylhydrazine	0.811	0.886	-9.2	102	0.00	8.63
74 t	4-Bromophenyl-phenylether	0.200	0.221	-10.5	103	0.00	9.14
75 t	Hexachlorobenzene	0.205	0.224	-9.3	106	0.00	9.30
77 t	Phenanthrene	1.146	1.255	-9.5	104	0.00	9.79
78 t	Anthracene	1.121	1.223	-9.1	102	0.00	9.86
79 t	Carbazole	1.080	1.217	-12.7	103	0.00	10.17
80 t	Di-n-butylphthalate	1.293	1.468	-13.5	100	0.00	10.97
81 t	Fluoranthene	1.152	1.307	-13.5	104	0.00	11.60
82 t	Octadecane	0.533	0.569	-6.8	96	0.00	9.86
83 I	Chrysene-d12	1.000	1.000	0.0	103	0.00	13.33
84 t	Pyrene	1.274	1.358	-6.6	102	0.00	11.88
86 t	Butylbenzylphthalate	0.569	0.630	-10.7	98	0.00	12.88
88 t	Benzo[a]anthracene	1.052	1.134	-7.8	102	0.00	13.32
----- True Calc. % Drift -----							
89 t	3,3'-Dichlorobenzidine	50.000	41.794	16.4	82	0.00	13.36
----- AvgRF CCRF % Dev -----							
90 t	Chrysene	1.102	1.191	-8.1	106	0.00	13.36
----- True Calc. % Drift -----							
91 t	bis(2-Ethylhexyl)phthalat	50.000	52.082	-4.2	99	0.00	13.57
----- AvgRF CCRF % Dev -----							
92 I	Perylene-d12	1.000	1.000	0.0	104	0.00	14.70
----- True Calc. % Drift -----							
93 t	Di-n-octylphthalate	50.000	50.483	-1.0	96	0.00	14.17
94 t	Benzo[b]fluoranthene	50.000	49.972	0.1	109	0.00	14.38
----- AvgRF CCRF % Dev -----							
95 t	Benzo[k]fluoranthene	1.388	1.475	-6.3	101	0.00	14.40
----- True Calc. % Drift -----							
96 t	Benzo[a]pyrene	50.000	52.180	-4.4	101	0.00	14.65
97 t	Indeno[1,2,3-cd]pyrene	50.000	55.025	-10.0	106	0.00	15.53
99 t	Dibenz[a,h]anthracene	50.000	52.730	-5.5	103	0.00	15.54
100 t	7,12-Dimethylbenz(a)anthr	50.000	54.889	-9.8	103	0.00	14.40
----- AvgRF CCRF % Dev -----							
101 t	Benzo[g,h,i]perylene	1.059	1.237	-16.8	105	0.00	15.72

(#) = Out of Range
 3e30095.D M3E1331.M

SPCC's out = 0 CCC's out = 0
 Tue Oct 12 15:18:01 2010 3E

Initial Calibration Verification

Page 1 of 1

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1332-ICV1332
Lab FileID: 3E30102A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1331\3e30102a.D Vial: 19
Acq On : 11 Oct 2010 11:38 pm Operator: olgaa
Sample : icv1332-50 Inst : GCMS3E
Misc : op45964,e3e1332, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Tue Oct 12 11:11:42 2010
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	101	0.00	3.20
103	Benzaldehyde	1.012	0.997	1.5	98	0.00	2.74
104	Acenaphthene-d10a	1.000	1.000	0.0	93	0.00	7.50
105	1,2,4,5-Tetrachlorobenzen	0.461	0.528	-14.5	104	0.00	6.22
106	Phenanthrene-d10a	1.000	1.000	0.0	90	0.00	9.75
107	Atrazine	0.105	0.125	-19.0	100	0.00	9.57

(#) = Out of Range
3e30095.D M3E1331.M

SPCC's out = 0 CCC's out = 0
Tue Oct 12 11:15:33 2010 3E

Initial Calibration Verification

Page 1 of 1

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1332-ICV1331
Lab FileID: 3E30103.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1331\3e30103.D Vial: 20
Acq On : 12 Oct 2010 12:02 am Operator: olgaa
Sample : icv1331-50 Inst : GCMS3E
Misc : op45964,e3e1332, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
Last Update : Tue Oct 12 11:17:46 2010
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	128	0.00	3.20
10	Aniline	2.121	1.975	6.9	111	0.00	2.90
24 I	Naphthalene-d8	1.000	1.000	0.0	131	0.00	4.85
39 t	4-Chloroaniline	0.490	0.462	5.7	114	0.00	5.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3e30095.D M3E1331.M Tue Oct 12 15:21:48 2010 3E

7.7.6

7

Initial Calibration Verification

Page 1 of 1

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1332-ICV1332
Lab FileID: 3E30104.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1331\3e30104.D Vial: 21
 Acq On : 12 Oct 2010 12:27 am Operator: olgaa
 Sample : icv1332-50 Inst : GCMS3E
 Misc : op45964,e3e1332, Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:16:46 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
106	Phenanthrene-d10a	1.000	1.000	0.0	93	0.00	9.75
	----- True Calc. % Drift -----						
108	Benzidine	50.000	110.081	-120.2#	150	0.00	11.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 3e30095.D M3E1331.M Tue Oct 12 11:17:50 2010 3E

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58043
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1333-CC1331
 Lab FileID: 3E30106.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1333\3e30106.D Vial: 2
 Acq On : 12 Oct 2010 9:41 am Operator: olgaa
 Sample : cc1331-25 Inst : GCMS3E
 Misc : op45964,e3e1333, Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:17:46 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	3.20
2 t	1,4-Dioxane	0.509	0.497	2.4	99	0.00	1.05
3 t	Pyridine	1.352	1.331	1.6	97	0.00	1.21
4 t	N-Nitrosodimethylamine	0.833	0.825	1.0	99	0.00	1.20
5 S	2-Fluorophenol	1.336	1.379	-3.2	103	0.00	2.01
6 t	Indene	2.101	2.159	-2.8	102	0.00	3.53
7 t	Cumene	2.767	2.885	-4.3	104	0.00	2.43
8 S	Phenol-d5	1.769	1.815	-2.6	102	-0.01	2.89
9 t	Phenol	1.979	2.044	-3.3	102	0.00	2.91
10	Aniline	2.121	2.228	-5.0	98	0.00	2.90
11 t	bis(2-Chloroethyl)ether	1.395	1.430	-2.5	103	0.00	2.98
12 t	2-Chlorophenol	1.500	1.550	-3.3	103	0.00	3.00
13 t	Decane	1.626	1.638	-0.7	99	0.00	3.08
14 t	1,3-Dichlorobenzene	1.585	1.670	-5.4	104	0.00	3.16
15 t	1,4-Dichlorobenzene	1.630	1.688	-3.6	104	0.00	3.22
16 t	Benzyl alcohol	1.027	1.076	-4.8	103	-0.01	3.42
17 t	1,2-Dichlorobenzene	1.524	1.602	-5.1	104	0.00	3.43
18 t	Acetophenone	1.960	2.046	-4.4	102	0.00	3.74
19 t	2-Methylphenol	1.334	1.402	-5.1	102	0.00	3.60
20 t	2,2'-oxybis(1-Chloropropa	0.551	0.568	-3.1	102	0.00	3.62
21 t	3&4-Methylphenol	1.453	1.514	-4.2	102	-0.01	3.80
22 t	n-Nitroso-di-n-propylamin	1.018	1.048	-2.9	101	0.00	3.80
23 t	Hexachloroethane	0.502	0.530	-5.6	105	0.00	3.81
24 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00	4.85
25 S	Nitrobenzene-d5	0.392	0.408	-4.1	103	0.00	3.92
26 t	Nitrobenzene	0.204	0.213	-4.4	103	-0.01	3.94
27 t	Quinoline	0.711	0.749	-5.3	104	-0.01	5.37
28 t	Isophorone	0.686	0.736	-7.3	105	-0.01	4.26
29 t	2-Nitrophenol	0.212	0.221	-4.2	102	0.00	4.37
30 t	2,4-Dimethylphenol	0.349	0.379	-8.6	101	0.00	4.50
31 t	Benzoic acid	0.262	0.254	3.1	101	-0.05	4.69
32 t	bis(2-Chloroethoxy)methan	0.421	0.436	-3.6	103	0.00	4.63
33 t	2,4-Dichlorophenol	0.313	0.335	-7.0	104	0.00	4.70
34 t	2,6-Dichlorophenol	0.310	0.331	-6.8	105	0.00	5.03
35	1,3,5-Trichlorobenzene	0.322	0.332	-3.1	102	0.00	4.37
36 t	1,2,4-Trichlorobenzene	0.324	0.336	-3.7	104	0.00	4.81
37	1,2,3-Trichlorobenzene	0.308	0.320	-3.9	103	-0.01	5.14
38 t	Naphthalene	1.168	1.227	-5.1	104	0.00	4.88
39 t	4-Chloroaniline	0.490	0.521	-6.3	103	-0.01	5.04
40 t	2,3-Dichloroaniline	0.363	0.384	-5.8	103	0.00	6.40
41 t	Caprolactam	0.189	0.192	-1.6	100	-0.04	5.50

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1333-CC1331
Lab FileID: 3E30106.D

42 t	Hexachlorobutadiene	0.166	0.172	-3.6	105	0.00	5.18
43 t	4-Chloro-3-methylphenol	0.330	0.353	-7.0	105	-0.02	5.82
44 t	2-Methylnaphthalene	0.786	0.843	-7.3	104	-0.01	5.89
45 t	1-Methylnaphthalene	0.728	0.758	-4.1	102	0.00	6.05
46 t	Dimethylnaphthalene	0.656	0.701	-6.9	104	-0.01	6.86
47 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00	7.49
48 t	Hexachlorocyclopentadiene	0.253	0.273	-7.9	105	0.00	6.27
49 t	2,4,6-Trichlorophenol	0.339	0.361	-6.5	103	-0.01	6.40
50 t	2,4,5-Trichlorophenol	0.353	0.373	-5.7	103	-0.01	6.45
51 S	2-Fluorobiphenyl	1.385	1.462	-5.6	104	0.00	6.53
52 t	2-Chloronaphthalene	1.145	1.212	-5.9	105	0.00	6.61
53 t	Biphenyl	1.467	1.528	-4.2	102	-0.01	6.64
54 t	2-Nitroaniline	0.350	0.368	-5.1	101	-0.01	6.88
55 t	Dimethylphthalate	1.335	1.419	-6.3	105	0.00	7.28
56 t	Acenaphthylene	1.822	1.964	-7.8	104	0.00	7.25
57 t	2,6-Dinitrotoluene	0.302	0.317	-5.0	102	-0.01	7.34
58 t	3-Nitroaniline	0.354	0.381	-7.6	103	-0.01	7.53
59 t	Acenaphthene	1.159	1.216	-4.9	103	-0.01	7.53
----- True Calc. % Drift -----							
60 t	2,4-Dinitrophenol	50.000	46.276	7.4	101	-0.01	7.68
----- AvgRF CCRF % Dev -----							
61 t	4-Nitrophenol	0.149	0.155	-4.0	101	-0.02	7.88
62 t	Dibenzofuran	1.659	1.770	-6.7	104	-0.01	7.79
63 t	2,4-Dinitrotoluene	0.406	0.431	-6.2	102	-0.01	7.93
64	2,3,4,6-Tetrachlorophenol	0.261	0.286	-9.6	104	-0.01	8.09
65 t	Diethylphthalate	1.306	1.394	-6.7	104	-0.01	8.40
66 t	Fluorene	1.317	1.402	-6.5	103	0.00	8.32
67 t	4-Chlorophenyl-phenylethe	0.619	0.661	-6.8	105	0.00	8.40
68 t	4-Nitroaniline	0.356	0.380	-6.7	103	-0.02	8.48
69 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	9.75
70 t	4,6-Dinitro-2-methylpheno	0.142	0.142	0.0	103	-0.02	8.54
71 t	n-Nitrosodiphenylamine	0.596	0.646	-8.4	107	-0.01	8.60
72 t	1,2-Diphenylhydrazine	0.811	0.861	-6.2	102	-0.01	8.63
73 S	2,4,6-Tribromophenol	0.079	0.087	-10.1	108	-0.01	8.73
74 t	4-Bromophenyl-phenylether	0.200	0.210	-5.0	102	0.00	9.13
75 t	Hexachlorobenzene	0.205	0.213	-3.9	105	-0.01	9.29
76 t	Pentachlorophenol	0.126	0.139	-10.3	111	0.00	9.61
77 t	Phenanthrene	1.146	1.204	-5.1	104	-0.01	9.78
78 t	Anthracene	1.121	1.208	-7.8	104	-0.01	9.85
79 t	Carbazole	1.080	1.172	-8.5	104	-0.01	10.17
80 t	Di-n-butylphthalate	1.293	1.416	-9.5	103	0.00	10.97
81 t	Fluoranthene	1.152	1.243	-7.9	104	0.00	11.59
82 t	Octadecane	0.533	0.565	-6.0	102	0.00	9.86
83 I	Chrysene-d12	1.000	1.000	0.0	104	0.00	13.33
84 t	Pyrene	1.274	1.385	-8.7	104	-0.01	11.87
85 S	Terphenyl-d14	0.754	0.808	-7.2	102	0.00	12.19
86 t	Butylbenzylphthalate	0.569	0.618	-8.6	101	0.00	12.88
87	Butyl stearate	0.373	0.371	0.5	99	0.00	12.98
88 t	Benzo[a]anthracene	1.052	1.119	-6.4	103	0.00	13.31
----- True Calc. % Drift -----							
89 t	3,3'-Dichlorobenzidine	25.000	25.174	-0.7	103	0.00	13.36
----- AvgRF CCRF % Dev -----							
90 t	Chrysene	1.102	1.157	-5.0	104	0.00	13.35

Continuing Calibration Summary

Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1333-CC1331
Lab FileID: 3E30106.D

		----- True	Calc.	% Drift	-----			
91 t	bis(2-Ethylhexyl)phthalat	25.000	25.153	-0.6	103	0.00	13.57	
		----- AvgRF	CCRF	% Dev	-----			
92 I	Perylene-d12	1.000	1.000	0.0	103	0.00	14.69	
		----- True	Calc.	% Drift	-----			
93 t	Di-n-octylphthalate	25.000	23.827	4.7	98	0.00	14.16	
94 t	Benzo[b]fluoranthene	25.000	24.654	1.4	110	0.00	14.37	
		----- AvgRF	CCRF	% Dev	-----			
95 t	Benzo[k]fluoranthene	1.388	1.502	-8.2	95	-0.01	14.39	
		----- True	Calc.	% Drift	-----			
96 t	Benzo[a]pyrene	25.000	25.243	-1.0	101	0.00	14.64	
97 t	Indeno[1,2,3-cd]pyrene	25.000	25.513	-2.1	100	0.00	15.52	
98 t	Dibenz(a,h)acridine	25.000	22.588	9.6	94	0.00	15.37	
99 t	Dibenz[a,h]anthracene	25.000	23.817	4.7	95	0.00	15.54	
100 t	7,12-Dimethylbenz(a)anthr	25.000	27.385	-9.5	104	0.00	14.40	
		----- AvgRF	CCRF	% Dev	-----			
101 t	Benzo[g,h,i]perylene	1.059	1.149	-8.5	97	-0.01	15.71	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 3e30096.D M3E1331.M Tue Oct 12 15:50:39 2010 3E

7.7.8
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Continuing Calibration Summary

Page 1 of 1

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1333-CC1332
Lab FileID: 3E30107.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1333\3e30107.D Vial: 3
 Acq On : 12 Oct 2010 10:08 am Operator: olgaa
 Sample : cc1332-50 Inst : GCMS3E
 Misc : op45964,e3e1333, Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:17:46 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	96	0.00	3.20
103	Benzaldehyde	1.012	1.050	-3.8	97	0.00	2.74
104	Acenaphthene-d10a	1.000	1.000	0.0	98	0.00	7.49
105	1,2,4,5-Tetrachlorobenzen	0.461	0.467	-1.3	97	0.00	6.21
106	Phenanthrene-d10a	1.000	1.000	0.0	99	0.00	9.75
107	Atrazine	0.105	0.110	-4.8	97	0.00	9.57
	----- True Calc. % Drift -----						
108	Benzidine	50.000	51.232	-2.5	94	0.00	11.87

(#) = Out of Range
 3e30095.D M3E1331.M

SPCC's out = 0 CCC's out = 0
 Tue Oct 12 15:51:55 2010 3E

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58043
 Account: FLSNYYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1334-CC1331
 Lab FileID: 3E30138.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1334\3e30138.D Vial: 2
 Acq On : 13 Oct 2010 10:09 am Operator: olgaa
 Sample : cc1331-25 Inst : GCMS3E
 Misc : op46062,e3e1334, Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:17:46 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	3.20
2 t	1,4-Dioxane	0.509	0.499	2.0	113	0.00	1.05
3 t	Pyridine	1.352	1.400	-3.6	117	0.00	1.21
4 t	N-Nitrosodimethylamine	0.833	0.838	-0.6	114	0.00	1.20
5 S	2-Fluorophenol	1.336	1.421	-6.4	120	0.00	2.01
6 t	Indene	2.101	2.212	-5.3	118	0.00	3.53
7 t	Cumene	2.767	2.876	-3.9	118	0.00	2.43
8 S	Phenol-d5	1.769	1.827	-3.3	117	0.00	2.90
9 t	Phenol	1.979	2.052	-3.7	116	0.00	2.91
10	Aniline	2.121	2.103	0.8	105	0.00	2.90
11 t	bis(2-Chloroethyl)ether	1.395	1.391	0.3	114	0.00	2.98
12 t	2-Chlorophenol	1.500	1.576	-5.1	119	0.00	3.00
13 t	Decane	1.626	1.651	-1.5	113	0.00	3.08
14 t	1,3-Dichlorobenzene	1.585	1.681	-6.1	119	0.00	3.16
15 t	1,4-Dichlorobenzene	1.630	1.708	-4.8	119	0.00	3.22
16 t	Benzyl alcohol	1.027	1.036	-0.9	113	0.00	3.42
17 t	1,2-Dichlorobenzene	1.524	1.590	-4.3	118	0.00	3.44
18 t	Acetophenone	1.960	2.021	-3.1	115	0.00	3.74
19 t	2-Methylphenol	1.334	1.391	-4.3	115	0.00	3.60
20 t	2,2'-oxybis(1-Chloropropa	0.551	0.575	-4.4	117	0.00	3.62
21 t	3&4-Methylphenol	1.453	1.511	-4.0	116	-0.01	3.80
22 t	n-Nitroso-di-n-propylamin	1.018	1.048	-2.9	115	0.00	3.80
23 t	Hexachloroethane	0.502	0.530	-5.6	119	0.00	3.81
24 I	Naphthalene-d8	1.000	1.000	0.0	117	0.00	4.85
25 S	Nitrobenzene-d5	0.392	0.399	-1.8	114	0.00	3.92
26 t	Nitrobenzene	0.204	0.214	-4.9	118	-0.01	3.94
27 t	Quinoline	0.711	0.743	-4.5	117	-0.01	5.37
28 t	Isophorone	0.686	0.711	-3.6	116	-0.01	4.26
29 t	2-Nitrophenol	0.212	0.229	-8.0	120	0.00	4.37
30 t	2,4-Dimethylphenol	0.349	0.358	-2.6	108	0.00	4.50
31 t	Benzoic acid	0.262	0.309	-17.9	140	-0.03	4.71
32 t	bis(2-Chloroethoxy)methan	0.421	0.433	-2.9	117	0.00	4.63
33 t	2,4-Dichlorophenol	0.313	0.333	-6.4	117	0.00	4.71
34 t	2,6-Dichlorophenol	0.310	0.331	-6.8	120	0.00	5.04
35	1,3,5-Trichlorobenzene	0.322	0.338	-5.0	119	0.00	4.37
36 t	1,2,4-Trichlorobenzene	0.324	0.339	-4.6	120	0.00	4.81
37	1,2,3-Trichlorobenzene	0.308	0.328	-6.5	121	0.00	5.15
38 t	Naphthalene	1.168	1.212	-3.8	117	0.00	4.88
39 t	4-Chloroaniline	0.490	0.517	-5.5	116	-0.01	5.04
40 t	2,3-Dichloroaniline	0.363	0.387	-6.6	118	0.00	6.40
41 t	Caprolactam	0.189	0.201	-6.3	119	-0.04	5.50

7.7.10

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Continuing Calibration Summary

Page 2 of 3

Job Number: JA58043
Account: FLSNyny Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1334-CC1331
Lab FileID: 3E30138.D

42 t	Hexachlorobutadiene	0.166	0.174	-4.8	122	0.00	5.18
43 t	4-Chloro-3-methylphenol	0.330	0.354	-7.3	120	0.00	5.83
44 t	2-Methylnaphthalene	0.786	0.827	-5.2	117	0.00	5.90
45 t	1-Methylnaphthalene	0.728	0.765	-5.1	117	0.00	6.05
46 t	Dimethylnaphthalene	0.656	0.700	-6.7	118	0.00	6.86
47 I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00	7.49
48 t	Hexachlorocyclopentadiene	0.253	0.270	-6.7	119	0.00	6.26
49 t	2,4,6-Trichlorophenol	0.339	0.367	-8.3	120	0.00	6.41
50 t	2,4,5-Trichlorophenol	0.353	0.382	-8.2	121	0.00	6.45
51 S	2-Fluorobiphenyl	1.385	1.422	-2.7	116	0.00	6.53
52 t	2-Chloronaphthalene	1.145	1.188	-3.8	118	0.00	6.61
53 t	Biphenyl	1.467	1.515	-3.3	116	0.00	6.65
54 t	2-Nitroaniline	0.350	0.375	-7.1	119	-0.01	6.88
55 t	Dimethylphthalate	1.335	1.402	-5.0	119	0.00	7.28
56 t	Acenaphthylene	1.822	1.937	-6.3	117	0.00	7.25
57 t	2,6-Dinitrotoluene	0.302	0.329	-8.9	121	0.00	7.35
58 t	3-Nitroaniline	0.354	0.383	-8.2	119	-0.01	7.53
59 t	Acenaphthene	1.159	1.209	-4.3	118	0.00	7.54
----- True Calc. % Drift -----							
60 t	2,4-Dinitrophenol	50.000	55.478	-11.0	142	0.00	7.69
----- AvgRF CCRF % Dev -----							
61 t	4-Nitrophenol	0.149	0.170	-14.1	128	0.00	7.89
62 t	Dibenzofuran	1.659	1.740	-4.9	117	-0.01	7.79
63 t	2,4-Dinitrotoluene	0.406	0.449	-10.6	122	0.00	7.94
64	2,3,4,6-Tetrachlorophenol	0.261	0.299	-14.6	125	0.00	8.09
65 t	Diethylphthalate	1.306	1.388	-6.3	119	-0.01	8.40
66 t	Fluorene	1.317	1.398	-6.2	118	0.00	8.32
67 t	4-Chlorophenyl-phenylethe	0.619	0.642	-3.7	117	0.00	8.40
68 t	4-Nitroaniline	0.356	0.387	-8.7	121	-0.02	8.49
69 I	Phenanthrene-d10	1.000	1.000	0.0	122	0.00	9.75
70 t	4,6-Dinitro-2-methylpheno	0.142	0.164	-15.5	140	0.00	8.55
71 t	n-Nitrosodiphenylamine	0.596	0.622	-4.4	120	-0.01	8.60
72 t	1,2-Diphenylhydrazine	0.811	0.839	-3.5	116	-0.01	8.63
73 S	2,4,6-Tribromophenol	0.079	0.092	-16.5	134	0.00	8.73
74 t	4-Bromophenyl-phenylether	0.200	0.210	-5.0	120	0.00	9.13
75 t	Hexachlorobenzene	0.205	0.217	-5.9	125	0.00	9.30
76 t	Pentachlorophenol	0.126	0.151	-19.8	141	0.00	9.62
77 t	Phenanthrene	1.146	1.183	-3.2	120	0.00	9.79
78 t	Anthracene	1.121	1.178	-5.1	118	-0.01	9.85
79 t	Carbazole	1.080	1.155	-6.9	121	0.00	10.17
80 t	Di-n-butylphthalate	1.293	1.434	-10.9	122	0.00	10.97
81 t	Fluoranthene	1.152	1.252	-8.7	123	0.00	11.60
82 t	Octadecane	0.533	0.547	-2.6	116	0.00	9.86
83 I	Chrysene-d12	1.000	1.000	0.0	126	0.00	13.33
84 t	Pyrene	1.274	1.345	-5.6	122	0.00	11.88
85 S	Terphenyl-d14	0.754	0.818	-8.5	125	0.00	12.19
86 t	Butylbenzylphthalate	0.569	0.655	-15.1	130	0.00	12.88
87	Butyl stearate	0.373	0.412	-10.5	133	0.00	12.98
88 t	Benzo[a]anthracene	1.052	1.150	-9.3	127	0.00	13.32
----- True Calc. % Drift -----							
89 t	3,3'-Dichlorobenzidine	25.000	28.231	-12.9	140	0.00	13.36
----- AvgRF CCRF % Dev -----							
90 t	Chrysene	1.102	1.132	-2.7	122	0.00	13.36

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1334-CC1331
Lab FileID: 3E30138.D

		----- True	Calc.	% Drift	-----			
91 t	bis(2-Ethylhexyl)phthalat	25.000	27.535	-10.1	136	0.00	13.57	
		----- AvgRF	CCRF	% Dev	-----			
92 I	Perylene-d12	1.000	1.000	0.0	131	0.00	14.70	
		----- True	Calc.	% Drift	-----			
93 t	Di-n-octylphthalate	25.000	28.200	-12.8	149	0.00	14.16	
94 t	Benzo[b]fluoranthene	25.000	29.732	-18.9	172	0.00	14.38	
		----- AvgRF	CCRF	% Dev	-----			
95 t	Benzo[k]fluoranthene	1.388	1.231	11.3	99	0.00	14.40	
		----- True	Calc.	% Drift	-----			
96 t	Benzo[a]pyrene	25.000	27.476	-9.9	141	0.00	14.64	
97 t	Indeno[1,2,3-cd]pyrene	25.000	26.893	-7.6	134	0.00	15.52	
98 t	Dibenz(a,h)acridine	25.000	28.075	-12.3	151	0.00	15.37	
99 t	Dibenz[a,h]anthracene	25.000	27.400	-9.6	140	0.00	15.54	
100 t	7,12-Dimethylbenz(a)anthr	25.000	25.258	-1.0	123	0.00	14.40	
		----- AvgRF	CCRF	% Dev	-----			
101 t	Benzo[g,h,i]perylene	1.059	1.176	-11.0	127	0.00	15.71	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 3e30096.D M3E1331.M Thu Oct 14 16:24:27 2010 3E

7.7.10
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Continuing Calibration Summary

Page 1 of 1

Job Number: JA58043
 Account: FLSNYYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: E3E1334-CC1332
 Lab FileID: 3E30139.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e1334\3e30139.D Vial: 3
 Acq On : 13 Oct 2010 10:33 am Operator: olgaa
 Sample : cc1332-50 Inst : GCMS3E
 Misc : op46062,e3e1334, Multiplr: 1.00
 MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E1331.M (RTE Integrator)
 Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 Last Update : Tue Oct 12 11:17:46 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	3.20
103	Benzaldehyde	1.012	1.049	-3.7	95	0.00	2.74
104	Acenaphthene-d10a	1.000	1.000	0.0	96	0.00	7.49
105	1,2,4,5-Tetrachlorobenzen	0.461	0.472	-2.4	96	0.00	6.21
106	Phenanthrene-d10a	1.000	1.000	0.0	97	0.00	9.75
107	Atrazine	0.105	0.115	-9.5	100	0.00	9.57
	----- True Calc. % Drift -----						
108	Benzidine	50.000	63.633	-27.3#	105	0.00	11.87

(#) = Out of Range
 3e30095.D M3E1331.M

SPCC's out = 0 CCC's out = 0
 Thu Oct 14 16:26:15 2010 3E

Initial Calibration Summary

Page 1 of 3

Job Number: JA58043

Sample: EP2264-ICC2264

Account: FLSNYYY Fleming-Lee Shue, Inc.

Lab FileID: P52533.D

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Response Factor Report MSP

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Fri Oct 01 10:39:10 2010
 Response via : Initial Calibration

Calibration Files

100 =P52540.D 80 =P52539.D 50 =P52533.D 25 =P52538.D
 10 =P52537.D 5 =P52536.D 2 =P52535.D 1 =P52534.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	-----ISTD-----									
2) 1,4-Dioxane	0.843	0.869	0.566	0.775	0.818	0.792	0.723	0.773	0.770	12.20
3) Pyridine	1.779	1.827	1.515	1.842	1.943	1.932	1.913	2.285	1.880	11.37
4) N-Nitrosodim	1.199	1.222	0.948	1.165	1.251	1.186	1.106	1.171	1.156	8.15
5) 2-Fluorophen	1.663	1.725	1.562	1.658	1.753	1.647	1.558	1.625	1.649	4.19
6) Indene	1.625	1.669	1.752	1.771	1.974	1.972	1.990	2.006	1.845	8.53
7) Cumene	2.976	3.083	3.055	3.202	3.424	3.380	3.244	3.295	3.208	4.97
8) Phenol-d5	1.997	2.037	2.003	2.014	2.141	2.010	1.843	1.871	1.990	4.73
9) Phenol	1.759	1.814	1.869	1.933	2.125	2.028	1.965	1.925	1.927	6.05
10) Aniline	1.713	1.789	1.903	2.064	2.298	2.373	2.385	2.520	2.131	14.31
11) bis(2-Chloro	1.277	1.307	1.332	1.371	1.517	1.515	1.517	1.642	1.435	9.08
12) 2-Chlorophen	1.245	1.288	1.355	1.386	1.577	1.562	1.527	1.539	1.435	9.21
13) Decane	1.156	1.204	1.352	1.351	1.514	1.544	1.532	1.614	1.408	11.97
14) 1,3-Dichloro	1.482	1.519	1.547	1.562	1.741	1.762	1.774	1.812	1.650	8.14
15) 1,4-Dichloro	1.368	1.397	1.432	1.446	1.540	1.551	1.553	1.628	1.489	6.12
16) Benzyl alcoh	0.947	0.967	0.965	0.920	0.973	0.900	0.857	0.813	0.918	6.33
17) 1,2-Dichloro	1.237	1.276	1.358	1.384	1.544	1.574	1.594	1.616	1.448	10.47
18) Acetophenone	1.623	1.647	1.720	1.713	1.914	1.884	1.848	1.839	1.774	6.29
19) 2-Methylphen	1.094	1.129	1.182	1.169	1.279	1.206	1.156	1.134	1.169	4.84
20) 2,2'-oxybis(	0.401	0.414	0.422	0.421	0.468	0.454	0.456	0.500	0.442	7.51
21) 3&4-Methylph	1.217	1.258	1.308	1.271	1.405	1.289	1.141	1.118	1.251	7.38
22) n-Nitroso-di	0.870	0.883	0.898	0.885	0.971	0.926	0.862	0.918	0.901	3.96
23) Hexachloroet	0.465	0.475	0.472	0.473	0.515	0.512	0.472	0.545	0.491	5.90
24) I Naphthalene-d8	-----ISTD-----									
25) Nitrobenzene	0.383	0.394	0.396	0.400	0.431	0.432	0.400	0.416	0.406	4.42
26) Nitrobenzene	0.170	0.176	0.178	0.183	0.205	0.197	0.203	0.212	0.191	8.22
27) Quinoline	0.656	0.683	0.666	0.667	0.720	0.669	0.545	0.598	0.650	8.35
28) Isophorone	0.682	0.709	0.722	0.716	0.756	0.719	0.675	0.643	0.703	4.94
29) 2-Nitropheno	0.210	0.215	0.216	0.215	0.230	0.216	0.193	0.192	0.211	5.99
30) 2,4-Dimethyl	0.311	0.320	0.318	0.319	0.346	0.324	0.312	0.270	0.315	6.76
31) Benzoic Acid	0.301	0.306	0.251	0.232	0.164	0.085			0.223	38.19
----- Linear regression ----- Coefficient = 0.9952										
Response Ratio = -0.04545 + 0.31819 *A										
32) bis(2-Chloro	0.399	0.414	0.417	0.415	0.465	0.462	0.440	0.414	0.428	5.67
33) 2,4-Dichloro	0.284	0.297	0.304	0.310	0.334	0.303	0.262	0.210	0.288	13.16
34) 2,6-Dichloro	0.256	0.268	0.277	0.282	0.307	0.299	0.263	0.259	0.276	6.77
35) 1,3,5-Trichl	0.292	0.306	0.320	0.338	0.379	0.385	0.387	0.394	0.350	11.72
36) 1,2,4-Trichl	0.307	0.321	0.332	0.337	0.378	0.376	0.368	0.385	0.350	8.47
37) 1,2,3-Trichl	0.276	0.294	0.300	0.310	0.334	0.333	0.323	0.345	0.314	7.48
38) Naphthalene	0.904	0.946	0.986	0.975	1.079	1.046	1.059	1.080	1.009	6.55
39) 4-Chloroanil	0.401	0.421	0.437	0.447	0.484	0.477	0.458	0.421	0.443	6.52
40) 2,3-Dichloro	0.299	0.313	0.330	0.333	0.382	0.366	0.338	0.329	0.336	7.94
41) Caprolactam	0.176	0.179	0.176	0.162	0.157	0.127	0.086		0.152	22.38
----- Linear regression ----- Coefficient = 0.9997										

Initial Calibration Summary

Page 2 of 3

Job Number: JA58043

Sample: EP2264-ICC2264

Account: FLSNYNY Fleming-Lee Shue, Inc.

Lab FileID: P52533.D

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Response Ratio = -0.00640 + 0.17976 *A

42)	Hexachlorobu	0.150	0.155	0.163	0.180	0.182	0.176	0.177	0.169	7.60
43)	4-Chloro-3-m	0.328	0.339	0.333	0.334	0.338	0.302	0.249	0.243	12.99
44)	2-Methylnaph	0.724	0.758	0.786	0.806	0.884	0.882	0.842	0.820	6.96
45)	1-Methylnaph	0.660	0.693	0.700	0.722	0.793	0.811	0.756	0.718	7.03
46)	Dimethylnaph	0.547	0.577	0.591	0.610	0.683	0.688	0.648	0.644	8.14

47) I Acenaphthene-d10

-----ISTD-----

48)	Hexachlorocy	0.260	0.272	0.285	0.266	0.278	0.250	0.230	0.221	0.258	8.74
49)	2,4,6-Trichl	0.328	0.340	0.358	0.370	0.381	0.322	0.259	0.258	0.327	14.28
50)	2,4,5-Trichl	0.350	0.370	0.365	0.372	0.408	0.355	0.299	0.299	0.352	10.54
51)	2-Fluorobiph	1.189	1.248	1.295	1.344	1.532	1.498	1.446	1.492	1.381	9.34
52)	2-Chloronaph	0.936	0.979	1.040	1.085	1.242	1.250	1.328	1.305	1.145	13.42
53)	Biphenyl	1.231	1.283	1.368	1.397	1.611	1.627	1.574	1.634	1.466	11.24
54)	2-Nitroanili	0.337	0.353	0.362	0.359	0.390	0.345	0.312	0.289	0.343	9.15
55)	Dimethylphth	1.326	1.387	1.400	1.393	1.505	1.451	1.440	1.492	1.424	4.16
56)	Acenaphthyle	1.686	1.737	1.846	1.879	2.124	2.078	1.976	2.085	1.926	8.59
57)	2,6-Dinitrot	0.135	0.140	0.141	0.150	0.160	0.148	0.149	0.149	0.146	5.37
58)	3-Nitroanili	0.369	0.384	0.385	0.371	0.383	0.351	0.322	0.266	0.354	11.68
59)	Acenaphthene	1.015	1.055	1.112	1.091	1.167	1.135	1.152	1.214	1.118	5.70
60)	2,4-Dinitrop	0.178	0.179	0.161	0.137	0.108	0.068	0.036		0.124	44.93

----- Linear regression ----- Coefficient = 0.9977

Response Ratio = -0.03572 + 0.18408 *A

61)	4-Nitropheno	0.185	0.186	0.167	0.174	0.156	0.132	0.111		0.159	17.60

----- Linear regression ----- Coefficient = 0.9982

Response Ratio = -0.00853 + 0.18710 *A

62)	Dibenzofuran	1.441	1.504	1.583	1.641	1.837	1.836	1.779	1.926	1.693	10.38
63)	2,4-Dinitrot	0.397	0.412	0.414	0.408	0.426	0.385	0.342	0.346	0.391	8.12
64)	2,3,4,6-Tetr	0.328	0.334	0.327	0.324	0.339	0.306	0.264	0.239	0.308	11.91
65)	Diethylphtha	1.307	1.358	1.374	1.384	1.484	1.438	1.391	1.586	1.415	6.13
66)	Fluorene	1.131	1.189	1.282	1.313	1.483	1.490	1.471	1.570	1.366	11.67
67)	4-Chlorophen	0.487	0.512	0.544	0.578	0.678	0.676	0.701		0.596	14.69
68)	4-Nitroanili	0.357	0.366	0.365	0.356	0.384	0.375	0.333	0.373	0.364	4.22

69) I Phenanthrene-d10

-----ISTD-----

70)	4,6-Dinitro-	0.158	0.165	0.150	0.145	0.135	0.108			0.144	14.19
71)	n-Nitrosodip	0.518	0.546	0.555	0.584	0.672	0.640	0.638	0.661	0.602	9.73
72)	1,2-Diphenyl	0.651	0.693	0.716	0.729	0.838	0.844	0.806	0.813	0.761	9.56
73)	2,4,6-Tribo	0.099	0.102	0.097	0.097	0.108	0.096	0.087	0.078	0.095	9.67
74)	4-Bromopheny	0.222	0.233	0.227	0.238	0.254	0.256	0.243	0.249	0.240	5.24
75)	Hexachlorobe	0.216	0.227	0.224	0.239	0.273	0.253	0.261	0.274	0.246	9.22
76)	Pentachlorop	0.142	0.151	0.153	0.155	0.162	0.146	0.107		0.145	12.34
77)	Phenanthrene	0.928	0.971	1.015	1.028	1.129	1.118	1.144	1.287	1.078	10.69
78)	Anthracene	0.942	0.986	1.025	1.060	1.206	1.185	1.161	1.311	1.109	11.36
79)	Carbazole	0.996	1.048	1.070	1.092	1.208	1.197	1.095	1.225	1.116	7.50
80)	Di-n-butylph	1.340	1.402	1.434	1.481	1.594	1.480	1.373	1.353	1.432	5.91
81)	Fluoranthene	1.178	1.254	1.304	1.347	1.497	1.437	1.350	1.405	1.347	7.58
82)	Octadecane	0.458	0.485	0.522	0.532	0.612	0.590	0.553	0.530	0.535	9.48

83) I Chrysene-d12

-----ISTD-----

84)	Pyrene	1.259	1.309	1.346	1.325	1.503	1.478	1.450	1.540	1.401	7.41
85)	Butyl steara	0.367	0.383	0.413	0.394	0.439	0.422	0.403	0.558	0.423	14.02
86)	Terphenyl-d1	0.820	0.850	0.849	0.838	0.925	0.900	0.881	0.943	0.876	5.01
87)	Butylbenzylp	0.668	0.696	0.685	0.648	0.665	0.612	0.542	0.526	0.630	10.29
88)	Benzo[a]anth	1.035	1.088	1.127	1.113	1.265	1.225	1.206	1.300	1.170	7.96
89)	3,3'-Dichlor	0.474	0.491	0.489	0.471	0.485	0.423	0.374	0.424	0.454	9.35
90)	Chrysene	0.975	1.022	1.030	1.008	1.131	1.112	1.150	1.177	1.076	7.03

Initial Calibration Summary

Page 3 of 3

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2264-ICC2264
Lab FileID: P52533.D

91)	bis(2-Ethylh	0.713	0.736	0.751	0.708	0.746	0.685	0.577	0.585	0.688	10.08
92)	I Perylene-d12	-----ISTD-----									
93)	Di-n-octylph	1.503	1.582	1.620	1.532	1.500	1.273	1.012	1.154	1.397	15.93
	----- Linear regression -----	Coefficient = 0.9982									
	Response Ratio =	-0.00497 + 1.54680 *A									
94)	Benzo[b]fluo	1.303	1.307	1.248	1.276	1.409	1.339	1.186	0.988	1.257	10.08
95)	Benzo[k]fluo	0.790	0.908	1.101	1.128	1.315	1.325	1.405	1.633	1.201	22.86
	----- Quadratic regression -----	Coefficient = 0.9991									
	Response Ratio =	-0.00257 + 1.35779 *A + -0.22551 *A^2									
96)	Benzo[a]pyre	1.102	1.172	1.192	1.225	1.329	1.281	1.005	0.969	1.159	10.94
97)	Indeno[1,2,3	1.240	1.303	1.322	1.340	1.419	1.305	1.150	1.198	1.284	6.64
98)	Dibenz(a,h)a	1.028	1.067	1.075	1.039	1.050	0.915	0.760	0.798	0.966	13.06
99)	Dibenz[a,h]a	0.972	1.028	1.067	1.109	1.175	1.086	0.961	0.950	1.043	7.65
100)	7,12-Dimethy	0.445	0.471	0.499	0.522	0.557	0.552	0.488	0.523	0.507	7.70
101)	Benzo[g,h,i]	1.135	1.185	1.183	1.162	1.229	1.133	1.043	1.105	1.147	4.94

(#) = Out of Range ### Number of calibration levels exceeded format ###

MP2264.M

Fri Oct 01 10:47:29 2010

MSP

Initial Calibration Summary

Page 1 of 1

Job Number: JA58043

Sample: EP2265-ICC2265

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Lab FileID: P52542.D

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Response Factor Report MSP

Method : C:\MSDCHEM\1\METHODS\MP2265.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Fri Oct 01 09:40:54 2010
 Response via : Initial Calibration

Calibration Files

100 =P52549.D 80 =P52548.D 50 =P52542.D 25 =P52547.D
 10 =P52546.D 5 =P52545.D 2 =P52544.D 1 =P52543.D

Compound	100	80	50	25	10	5	2	1	Avg	%RSD
102) 1,4-Dichlorobenzene-d	-----ISTD-----									
103) Benzaldehyde	0.643	0.766	1.011	1.176	1.138	1.209	1.287	1.033	23.43	
----- Quadratic regression -----										Coefficient = 0.9968
Response Ratio = 0.02075 + 1.04731 *A + -0.21065 *A^2										
104) Naphthalene-d8a	-----ISTD-----									
106) 2-chloroanil	0.445	0.448	0.493	0.489	0.506	0.484	0.450	0.526	0.480	6.15
107) 1-chloro-2-n	0.130	0.124	0.127	0.112	0.113	0.093	0.075	0.084	0.107	19.54
----- Linear regression -----										Coefficient = 0.9987
Response Ratio = -0.00449 + 0.12937 *A										
109) Phenanthrene-d10a	-----ISTD-----									
110) Atrazine	0.112	0.113	0.116	0.126	0.124	0.113	0.122	0.125	0.119	5.15
111) Acenaphthene-d10a	-----ISTD-----									
112) 1,2,4,5-Tetr	0.473	0.479	0.500	0.539	0.562	0.559	0.522	0.547	0.523	6.71
113) 1-chloronaph	0.914	0.919	0.982	1.094	1.137	1.122	1.031	1.140	1.042	9.11
114) Chrysene-d12a	-----ISTD-----									
115) Benzidine	0.393	0.678	0.732	0.834	0.737	0.763	1.018	0.737	25.44	
----- Quadratic regression -----										Coefficient = 0.9907
Response Ratio = -0.02514 + 1.05794 *A + -0.32213 *A^2										
116) Bis(2-Ethylh	0.447	0.448	0.481	0.464	0.459	0.407	0.348	0.401	0.432	10.12

(#) = Out of Range ### Number of calibration levels exceeded format ###

MP2265.M

Fri Oct 01 09:41:26 2010

MSP

7.7.13

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Initial Calibration Verification

Page 1 of 2

Job Number: JA58043
 Account: FLSNYYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2265-ICV2264
 Lab FileID: P52550.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP2265\P52550.D Vial: 10
 Acq On : 30 Sep 2010 4:44 pm Operator: ninap
 Sample : icv2264-50 Inst : MSP
 Misc : op45836,ep2265,acid 2nd source Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Fri Oct 01 10:14:26 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	131	0.00	4.49- 5.49
9 t	Phenol	1.927	1.801	6.5	126	0.00	4.07- 5.07
12 t	2-Chlorophenol	1.435	1.356	5.5	131	0.00	4.26- 5.26
19 t	2-Methylphenol	1.169	1.137	2.7	126	0.00	4.86- 5.86
21 t	3&4-Methylphenol	1.251	1.132	9.5	113	0.00	5.06- 6.06
24 I	Naphthalene-d8	1.000	1.000	0.0	113	0.00	6.30- 7.30
29 t	2-Nitrophenol	0.211	0.216	-2.4	114	0.00	5.77- 6.77
30 t	2,4-Dimethylphenol	0.315	0.339	-7.6	121	0.00	5.83- 6.83
31	Benzoic Acid	50.000	46.254	7.5	93	-0.01	5.99- 6.99
33 t	2,4-Dichlorophenol	0.288	0.279	3.1	104	0.00	6.11- 7.11
34	2,6-Dichlorophenol	0.276	0.277	-0.4	113	0.00	6.46- 7.46
43 t	4-Chloro-3-methylpheno	0.308	0.304	1.3	104	0.00	7.20- 8.20
47 I	Acenaphthene-d10	1.000	1.000	0.0	120	0.00	9.07-10.07
49 t	2,4,6-Trichlorophenol	0.327	0.330	-0.9	111	0.00	7.89- 8.89
50 t	2,4,5-Trichlorophenol	0.352	0.350	0.6	115	0.00	7.94- 8.94
60 t	2,4-Dinitrophenol	100.000	5.550	14.5	96	0.00	9.00-10.40
61 t	4-Nitrophenol	50.000	44.794	10.4	102	0.00	9.32-10.32
64	2,3,4,6-Tetrachlorophe	0.308	0.255	17.2	94	0.00	9.65-10.65
69 I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	11.36-12.36
70 t	4,6-Dinitro-2-methylph	0.144	0.137	4.9	102	0.00	10.09-11.09
76 t	Pentachlorophenol	0.145	0.152	-4.8	110	0.00	11.19-12.19
83 I	Chrysene-d12	1.000	1.000	0.0	127	0.00	14.53-15.53
92 I	Perylene-d12	1.000	1.000	0.0	115	0.00	16.06-17.06

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Initial Calibration Verification

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2265-ICV2264
Lab FileID: P52550.D

P52533.D	MP2264.M	Fri Oct 01 10:17:25 2010	MSP

7.7.14
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Initial Calibration Verification

Page 1 of 2

Job Number: JA58043
 Account: FLSNYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2265-ICV2264
 Lab FileID: P52551.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP2265\P52551.D Vial: 11
 Acq On : 30 Sep 2010 5:14 pm Operator: ninap
 Sample : icv2264-50 Inst : MSP
 Misc : op45836,ep2265,bn 2nd source Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Fri Oct 01 10:39:10 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	4.49- 5.49
2 t	1,4-Dioxane	0.770	0.582	24.4#	112	0.00	1.75- 2.75
3 t	Pyridine	1.880	1.746	7.1	126	0.00	1.99- 2.99
4 t	N-Nitrosodimethylamine	1.156	1.040	10.0	120	0.00	1.97- 2.97
6 t	Indene	1.845	1.901	-3.0	118	0.00	4.87- 5.87
7 t	Cumene	3.208	3.147	1.9	112	0.00	3.59- 4.59
11 t	bis(2-Chloroethyl)ethe	1.435	1.547	-7.8	127	0.00	4.18- 5.18
13 t	Decane	1.408	1.553	-10.3	125	0.00	4.31- 5.31
14 t	1,3-Dichlorobenzene	1.650	1.765	-7.0	125	0.00	4.45- 5.45
15 t	1,4-Dichlorobenzene	1.489	1.593	-7.0	121	0.00	4.52- 5.52
16 t	Benzyl alcohol	0.918	0.985	-7.3	111	0.00	4.69- 5.69
17 t	1,2-Dichlorobenzene	1.448	1.587	-9.6	128	0.00	4.77- 5.77
18 t	Acetophenone	1.774	2.008	-13.2	127	0.00	5.06- 6.06
20 t	2,2'-oxybis(1-Chloropr	0.442	0.467	-5.7	121	0.00	4.91- 5.91
22 t	n-Nitroso-di-n-propyla	0.901	0.956	-6.1	116	0.00	5.10- 6.10
23 t	Hexachloroethane	0.491	0.555	-13.0	128	0.00	5.19- 6.19
24 I	Naphthalene-d8	1.000	1.000	0.0	107	0.00	6.30- 7.30
26 t	Nitrobenzene	0.191	0.201	-5.2	121	0.00	5.31- 6.31
27 t	Quinoline	0.650	0.732	-12.6	118	0.00	6.84- 7.84
28 t	Isophorone	0.703	0.766	-9.0	114	0.00	5.64- 6.64
32 t	bis(2-Chloroethoxy)met	0.428	0.498	-16.4	128	0.00	5.97- 6.97
36 t	1,2,4-Trichlorobenzene	0.350	0.390	-11.4	126	0.00	6.24- 7.24
38 t	Naphthalene	1.009	0.999	1.0	108	0.00	6.33- 7.33
40 t	2,3-Dichloroaniline	0.336	0.321	4.5	104	0.00	7.90- 8.90
----- True Calc. % Drift -----							
41 t	Caprolactam	50.000	43.612	12.8	92	-0.04	6.91- 7.91
----- AvgRF CCRF % Dev -----							
42 t	Hexachlorobutadiene	0.169	0.202	-19.5	139	0.00	6.62- 7.62
44 t	2-Methylnaphthalene	0.813	0.772	5.0	105	0.00	7.40- 8.40
45 t	1-Methylnaphthalene	0.732	0.715	2.3	109	0.00	7.57- 8.57
46 t	Dimethylnaphthalene	0.624	0.594	4.8	107	0.00	8.39- 9.39
47 I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00	9.07-10.07
48 t	Hexachlorocyclopentadi	0.258	0.345	-33.7#	117	0.00	7.76- 8.76
52 t	2-Chloronaphthalene	1.145	1.233	-7.7	115	0.00	8.15- 9.15
53 t	Biphenyl	1.466	1.565	-6.8	111	0.00	8.15- 9.15
54 t	2-Nitroaniline	0.343	0.378	-10.2	101	0.00	8.38- 9.38
55 t	Dimethylphthalate	1.424	1.490	-4.6	103	0.00	8.74- 9.74
56 t	Acenaphthylene	1.926	1.790	7.1	94	0.00	8.82- 9.82

Initial Calibration Verification

Page 2 of 2

Job Number: JA58043

Account: FLSNYYNY Fleming-Lee Shue, Inc.

Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2265-ICV2264

Lab FileID: P52551.D

57 t	2,6-Dinitrotoluene	0.146	0.151	-3.4	104	0.00	8.83- 9.83
58 t	3-Nitroaniline	0.354	0.313	11.6	79	0.00	9.04-10.04
59 t	Acenaphthene	1.118	1.195	-6.9	104	0.00	9.12-10.12
		----- AvgRF CCRF		% Dev		-----	
62 t	Dibenzofuran	1.693	1.760	-4.0	108	0.00	9.38-10.38
63 t	2,4-Dinitrotoluene	0.391	0.415	-6.1	97	0.00	9.45-10.45
65 t	Diethylphthalate	1.415	1.474	-4.2	104	0.00	9.88-10.88
66 t	Fluorene	1.366	1.406	-2.9	106	0.00	9.93-10.93
67 t	4-Chlorophenyl-phenyle	0.596	0.598	-0.3	106	0.00	9.94-10.94
68 t	4-Nitroaniline	0.364	0.346	4.9	92	0.00	10.03-11.03
69 I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00	11.36-12.36
71 t	n-Nitrosodiphenylamine	0.602	0.638	-6.0	104	0.00	10.15-11.15
72 t	1,2-Diphenylhydrazine	0.761	0.820	-7.8	103	0.00	10.19-11.19
74 t	4-Bromophenyl-phenylet	0.240	0.266	-10.8	105	0.00	10.72-11.72
75 t	Hexachlorobenzene	0.246	0.267	-8.5	107	0.00	10.93-11.93
77 t	Phenanthrene	1.078	1.150	-6.7	102	0.00	11.40-12.40
78 t	Anthracene	1.109	1.144	-3.2	101	0.00	11.46-12.46
79 t	Carbazole	1.116	1.180	-5.7	100	0.00	11.70-12.70
80 t	Di-n-butylphthalate	1.432	1.557	-8.7	98	0.00	12.26-13.26
81 t	Fluoranthene	1.347	1.400	-3.9	97	0.00	12.94-13.94
82 t	Octadecane	0.535	0.606	-13.3	105	0.00	11.27-12.27
83 I	Chrysene-d12	1.000	1.000	0.0	87	0.00	14.53-15.53
84 t	Pyrene	1.401	1.522	-8.6	98	0.00	13.20-14.20
87 t	Butylbenzylphthalate	0.630	0.749	-18.9	95	0.00	13.97-14.97
88 t	Benzo[a]anthracene	1.170	1.261	-7.8	97	0.00	14.52-15.52
89 t	3,3'-Dichlorobenzidine	0.454	0.406	10.6	72	0.00	14.50-15.50
90 t	Chrysene	1.076	1.135	-5.5	96	0.00	14.56-15.56
91 t	bis(2-Ethylhexyl)phtha	0.688	0.785	-14.1	91	0.00	14.60-15.60
92 I	Perylene-d12	1.000	1.000	0.0	82	0.00	16.07-17.07
		----- True Calc.		% Drift		-----	
93 t	Di-n-octylphthalate	50.000	56.448	-12.9	88	0.00	15.19-16.19
		----- AvgRF CCRF		% Dev		-----	
94 t	Benzo[b]fluoranthene	1.257	1.488	-18.4	97	0.00	15.63-16.63
		----- True Calc.		% Drift		-----	
95 t	Benzo[k]fluoranthene	50.000	52.691	-5.4	83	0.00	15.66-16.66
		----- AvgRF CCRF		% Dev		-----	
96 t	Benzo[a]pyrene	1.159	1.320	-13.9	90	0.00	16.00-17.00
97 t	Indeno[1,2,3-cd]pyrene	1.284	1.518	-18.2	94	-0.01	17.51-18.51
99 t	Dibenz[a,h]anthracene	1.043	1.233	-18.2	94	0.00	17.52-18.52
100 t	7,12-Dimethylbenz(a)an	0.507	0.576	-13.6	94	0.00	15.64-16.64
101 t	Benzo[g,h,i]perylene	1.147	1.308	-14.0	90	0.00	17.93-18.93

(#) = Out of Range
P52533.D MP2264.M

SPCC's out = 0 CCC's out = 0
Fri Oct 01 10:43:48 2010 MSP

7.7.15

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Initial Calibration Verification

Page 1 of 1

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2265-ICV2265
Lab FileID: P52551A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP2265\P52551A.D Vial: 11
Acq On : 30 Sep 2010 5:14 pm Operator: ninap
Sample : icv2265-50 Inst : MSP
Misc : op45836,ep2265,bn 2nd source Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
Last Update : Fri Oct 01 10:39:10 2010
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
102	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00	4.49- 5.49
103	Benzaldehyde	1.033	1.184	-14.6	123	0.00	3.96- 4.96
104	Naphthalene-d8a	1.000	1.000	0.0	90	0.00	6.30- 7.30
109	Phenanthrene-d10a	1.000	1.000	0.0	77	0.01	11.36-12.36
110	Atrazine	0.119	0.124	-4.2	82	0.00	11.05-12.05
111	Acenaphthene-d10a	1.000	1.000	0.0	78	0.00	9.07-10.07
112	1,2,4,5-Tetrachloroben	0.523	0.607	-16.1	95	0.00	7.73- 8.73
114	Chrysene-d12a	1.000	1.000	0.0	74	0.00	14.53-15.53

(#) = Out of Range
P52533.D MP2264.M

SPCC's out = 0 CCC's out = 0
Fri Oct 01 10:41:32 2010 MSP

7.7.16

7

Initial Calibration Verification

Page 1 of 1

Job Number: JA58043
 Account: FLSNYYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2265-ICV2264
 Lab FileID: P52552.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP2265\P52552.D Vial: 12
 Acq On : 30 Sep 2010 5:44 pm Operator: ninap
 Sample : icv2264-50 Inst : MSP
 Misc : op45836,ep2265,bn 2nd source Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Fri Oct 01 10:14:26 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	154	0.00	4.49- 5.49
10 t	Aniline	2.131	2.125	0.3	172	0.00	4.13- 5.13
24 I	Naphthalene-d8	1.000	1.000	0.0	150	0.00	6.30- 7.30
39 t	4-Chloroaniline	0.443	0.404	8.8	139	0.00	6.45- 7.45
47 I	Acenaphthene-d10	1.000	1.000	0.0	131	0.00	9.07-10.07
69 I	Phenanthrene-d10	1.000	1.000	0.0	137	0.00	11.36-12.36
83 I	Chrysene-d12	1.000	1.000	0.0	157	0.00	14.53-15.53
92 I	Perylene-d12	1.000	1.000	0.0	140	0.00	16.07-17.07

(#) = Out of Range
 P52533.D MP2264.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 01 10:26:39 2010 MSP

Initial Calibration Verification

Page 1 of 1

Job Number: JA58043
 Account: FLSNYYY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2265-ICV2265
 Lab FileID: P52553.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP2265\P52553.D Vial: 13
 Acq On : 30 Sep 2010 6:13 pm Operator: ninap
 Sample : icv2265-50 Inst : MSP
 Misc : op45836,ep2265,bn 3rd source Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Fri Oct 01 10:14:26 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	154	0.00	4.49- 5.49
24 I	Naphthalene-d8	1.000	1.000	0.0	134	0.00	6.30- 7.30
47 I	Acenaphthene-d10	1.000	1.000	0.0	137	0.00	9.07-10.07
69 I	Phenanthrene-d10	1.000	1.000	0.0	132	0.00	11.36-12.36
83 I	Chrysene-d12	1.000	1.000	0.0	124	0.00	14.53-15.53
92 I	Perylene-d12	1.000	1.000	0.0	127	0.00	16.07-17.07
114	Chrysene-d12a	1.000	1.000	0.0	106	0.00	14.53-15.53
115	Benzidine	0.737	1.195	-62.1#	187	0.00	13.11-14.11

(#) = Out of Range
 P52533.D MP2264.M

SPCC's out = 0 CCC's out = 0
 Fri Oct 01 10:28:36 2010 MSP

7.7.18

7

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58043
 Account: FLSNYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2277-CC2264
 Lab FileID: P52846.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP2277\P52846.D Vial: 2
 Acq On : 14 Oct 2010 7:46 am Operator: ninap
 Sample : cc2264-25 Inst : MSP
 Misc : op46061,ep2277 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Tue Oct 12 12:19:52 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT	Window
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	-0.05	4.45-	5.45
2 t	1,4-Dioxane	0.770	0.683	11.3	69	-0.05	1.70-	2.70
3 t	Pyridine	1.880	1.683	10.5	72	-0.04	1.95-	2.95
4 t	N-Nitrosodimethylamine	1.156	1.048	9.3	70	-0.04	1.92-	2.92
5 S	2-Fluorophenol	1.649	1.499	9.1	71	-0.03	3.01-	4.01
6 t	Indene	1.845	1.850	-0.3	82	-0.06	4.82-	5.82
7 t	Cumene	3.208	3.039	5.3	74	-0.05	3.54-	4.54
8 S	Phenol-d5	1.990	1.918	3.6	75	-0.03	4.04-	5.04
9 t	Phenol	1.927	2.017	-4.7	82	-0.03	4.05-	5.05
10 t	Aniline	2.131	1.907	10.5	72	-0.05	4.08-	5.08
11 t	bis(2-Chloroethyl)ethe	1.435	1.313	8.5	75	-0.05	4.14-	5.14
12 t	2-Chlorophenol	1.435	1.383	3.6	78	-0.05	4.22-	5.22
13 t	Decane	1.408	1.534	-8.9	89	-0.06	4.25-	5.25
14 t	1,3-Dichlorobenzene	1.650	1.541	6.6	77	-0.05	4.40-	5.40
15 t	1,4-Dichlorobenzene	1.489	1.440	3.3	78	-0.06	4.46-	5.46
16 t	Benzyl alcohol	0.918	0.919	-0.1	78	-0.05	4.65-	5.65
17 t	1,2-Dichlorobenzene	1.448	1.385	4.4	78	-0.05	4.71-	5.71
18 t	Acetophenone	1.774	1.770	0.2	81	-0.06	5.01-	6.01
19 t	2-Methylphenol	1.169	1.157	1.0	78	-0.04	4.83-	5.83
20 t	2,2'-oxybis(1-Chloropr	0.442	0.400	9.5	74	-0.05	4.86-	5.86
21 t	3&4-Methylphenol	1.251	1.213	3.0	75	-0.04	5.03-	6.03
22 t	n-Nitroso-di-n-propyla	0.901	0.868	3.7	77	-0.06	5.04-	6.04
23 t	Hexachloroethane	0.491	0.474	3.5	78	-0.06	5.13-	6.13
24 I	Naphthalene-d8	1.000	1.000	0.0	79	-0.06	6.25-	7.25
25 S	Nitrobenzene-d5	0.406	0.392	3.4	77	-0.06	5.23-	6.23
26 t	Nitrobenzene	0.191	0.181	5.2	78	-0.06	5.25-	6.25
27 t	Quinoline	0.650	0.660	-1.5	78	-0.05	6.80-	7.80
28 t	Isophorone	0.703	0.704	-0.1	78	-0.06	5.58-	6.58
29 t	2-Nitrophenol	0.211	0.217	-2.8	80	-0.05	5.72-	6.72
30 t	2,4-Dimethylphenol	0.315	0.318	-1.0	79	-0.04	5.79-	6.79
----- True Calc. % Drift -----								
31	Benzoic Acid	25.000	24.773	0.9	83	-0.05	5.95-	6.95
----- AvgRF CCRF % Dev -----								
32 t	bis(2-Chloroethoxy)met	0.428	0.417	2.6	79	-0.06	5.92-	6.92
33 t	2,4-Dichlorophenol	0.288	0.306	-6.3	78	-0.04	6.07-	7.07
34	2,6-Dichlorophenol	0.276	0.281	-1.8	79	-0.05	6.41-	7.41
35 t	1,3,5-Trichlorobenzene	0.350	0.328	6.3	77	-0.06	5.73-	6.73
36 t	1,2,4-Trichlorobenzene	0.350	0.328	6.3	77	-0.06	6.19-	7.19
37 t	1,2,3-Trichlorobenzene	0.314	0.296	5.7	76	-0.05	6.56-	7.56

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58043
Account: FLSNYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2277-CC2264
Lab FileID: P52846.D

38 t	Naphthalene	1.009	0.980	2.9	79	-0.05	6.28- 7.28
39 t	4-Chloroaniline	0.443	0.432	2.5	76	-0.05	6.40- 7.40
40 t	2,3-Dichloroaniline	0.336	0.341	-1.5	81	-0.05	7.84- 8.84
----- True Calc. % Drift -----							
41 t	Caprolactam	25.000	25.622	-2.5	85	-0.08	6.87- 7.87
----- AvgRF CCRF % Dev -----							
42 t	Hexachlorobutadiene	0.169	0.162	4.1	79	-0.06	6.56- 7.56
43 t	4-Chloro-3-methylpheno	0.308	0.340	-10.4	80	-0.03	7.18- 8.18
44 t	2-Methylnaphthalene	0.813	0.777	4.4	76	-0.06	7.34- 8.34
45 t	1-Methylnaphthalene	0.732	0.712	2.7	78	-0.06	7.51- 8.51
46 t	Dimethylnaphthalene	0.624	0.614	1.6	79	-0.06	8.34- 9.34
47 I	Acenaphthene-d10	1.000	1.000	0.0	79	-0.06	9.01-10.01
48 t	Hexachlorocyclopentadi	0.258	0.261	-1.2	78	-0.06	7.71- 8.71
49 t	2,4,6-Trichlorophenol	0.327	0.367	-12.2	79	-0.05	7.84- 8.84
50 t	2,4,5-Trichlorophenol	0.352	0.378	-7.4	80	-0.04	7.91- 8.91
51 S	2-Fluorobiphenyl	1.381	1.316	4.7	78	-0.06	7.96- 8.96
52 t	2-Chloronaphthalene	1.145	1.072	6.4	78	-0.06	8.10- 9.10
53 t	Biphenyl	1.466	1.423	2.9	81	-0.06	8.10- 9.10
54 t	2-Nitroaniline	0.343	0.373	-8.7	82	-0.05	8.33- 9.33
55 t	Dimethylphthalate	1.424	1.352	5.1	77	-0.06	8.68- 9.68
56 t	Acenaphthylene	1.926	1.900	1.3	80	-0.05	8.77- 9.77
57 t	2,6-Dinitrotoluene	0.146	0.150	-2.7	79	-0.05	8.78- 9.78
58 t	3-Nitroaniline	0.354	0.366	-3.4	78	-0.05	9.00-10.00
59 t	Acenaphthene	1.118	1.098	1.8	80	-0.06	9.06-10.06
----- True Calc. % Drift -----							
60 t	2,4-Dinitrophenol	50.000	48.754	2.5	88	-0.04	8.96-10.36
61 t	4-Nitrophenol	25.000	23.321	6.7	73	-0.01	9.32-10.32
----- AvgRF CCRF % Dev -----							
62 t	Dibenzofuran	1.693	1.627	3.9	79	-0.06	9.32-10.32
63 t	2,4-Dinitrotoluene	0.391	0.404	-3.3	78	-0.05	9.40-10.40
64	2,3,4,6-Tetrachlorophe	0.308	0.321	-4.2	78	-0.04	9.61-10.61
65 t	Diethylphthalate	1.415	1.368	3.3	78	-0.06	9.82-10.82
66 t	Fluorene	1.366	1.325	3.0	80	-0.06	9.87-10.87
67 t	4-Chlorophenyl-phenyle	0.596	0.583	2.2	80	-0.06	9.89-10.89
68 t	4-Nitroaniline	0.364	0.360	1.1	80	-0.06	9.98-10.98
69 I	Phenanthrene-d10	1.000	1.000	0.0	80	-0.05	11.32-12.32
70 t	4,6-Dinitro-2-methylph	0.144	0.152	-5.6	84	-0.05	10.06-11.06
71 t	n-Nitrosodiphenylamine	0.602	0.580	3.7	80	-0.06	10.09-11.09
72 t	1,2-Diphenylhydrazine	0.761	0.745	2.1	82	-0.06	10.14-11.14
73 S	2,4,6-Tribromophenol	0.095	0.101	-6.3	83	-0.05	10.29-11.29
74 t	4-Bromophenyl-phenylet	0.240	0.238	0.8	80	-0.06	10.66-11.66
75 t	Hexachlorobenzene	0.246	0.237	3.7	79	-0.06	10.87-11.87
76 t	Pentachlorophenol	0.145	0.149	-2.8	77	-0.04	11.16-12.16
77 t	Phenanthrene	1.078	1.040	3.5	81	-0.05	11.34-12.34
78 t	Anthracene	1.109	1.073	3.2	81	-0.05	11.41-12.41
79 t	Carbazole	1.116	1.090	2.3	80	-0.05	11.65-12.65
80 t	Di-n-butylphthalate	1.432	1.472	-2.8	79	-0.05	12.21-13.21
81 t	Fluoranthene	1.347	1.306	3.0	78	-0.05	12.89-13.89
82 t	Octadecane	0.535	0.579	-8.2	87	-0.06	11.22-12.22
83 I	Chrysene-d12	1.000	1.000	0.0	75	-0.05	14.49-15.49
84 t	Pyrene	1.401	1.395	0.4	79	-0.05	13.15-14.15
85	Butyl stearate	0.423	0.472	-11.6	90	-0.05	13.95-14.95
86 S	Terphenyl-d14	0.876	0.876	0.0	78	-0.05	13.35-14.35

7.7.19

7

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58043
Account: FLSNYYNY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2277-CC2264
Lab FileID: P52846.D

87 t	Butylbenzylphthalate	0.630	0.675	-7.1	78	-0.05	13.92-14.92
88 t	Benzo[a]anthracene	1.170	1.121	4.2	75	-0.05	14.47-15.47
89 t	3,3'-Dichlorobenzidine	0.454	0.470	-3.5	75	-0.05	14.45-15.45
90 t	Chrysene	1.076	1.021	5.1	76	-0.05	14.51-15.51
91 t	bis(2-Ethylhexyl)phtha	0.688	0.785	-14.1	83	-0.05	14.54-15.54
92 I	Perylene-d12	1.000	1.000	0.0	70	-0.06	16.01-17.01
----- True Calc. % Drift -----							
93 t	Di-n-octylphthalate	25.000	27.216	-8.9	76	-0.06	15.13-16.13
----- AvgRF CCRF % Dev -----							
94 t	Benzo[b]fluoranthene	1.257	1.310	-4.2	72	-0.06	15.57-16.57
----- True Calc. % Drift -----							
95 t	Benzo[k]fluoranthene	25.000	21.281	14.9	65	-0.06	15.60-16.60
----- AvgRF CCRF % Dev -----							
96 t	Benzo[a]pyrene	1.159	1.130	2.5	64	-0.06	15.94-16.94
97 t	Indeno[1,2,3-cd]pyrene	1.284	1.300	-1.2	68	-0.09	17.43-18.43
98 t	Dibenz(a,h)acridine	0.966	1.005	-4.0	68	-0.08	17.09-18.09
99 t	Dibenz[a,h]anthracene	1.043	1.097	-5.2	69	-0.09	17.44-18.44
100 t	7,12-Dimethylbenz(a)an	0.507	0.496	2.2	66	-0.06	15.59-16.59
101 t	Benzo[g,h,i]perylene	1.147	1.120	2.4	67	-0.09	17.84-18.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 P52538.D MP2264.M Thu Oct 14 08:31:34 2010 MSP

7.7.19

7

Continuing Calibration Summary

Page 1 of 1

Job Number: JA58043
 Account: FLSNYYNY Fleming-Lee Shue, Inc.
 Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: EP2277-CC2265
 Lab FileID: P52847.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP2277\P52847.D Vial: 3
 Acq On : 14 Oct 2010 8:16 am Operator: ninap
 Sample : cc2265-50 Inst : MSP
 Misc : op46061,ep2277 Multiplr: 1.00
 MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP2264.M (RTE Integrator)
 Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 Last Update : Tue Oct 12 12:19:52 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
102	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	-0.06	4.44- 5.44
103	Benzaldehyde	1.033	0.770	25.5#	83	-0.05	3.91- 4.91
109	Phenanthrene-d10a	1.000	1.000	0.0	86	-0.04	11.31-12.31
110	Atrazine	0.119	0.123	-3.4	90	-0.04	11.01-12.01
111	Acenaphthene-d10a	1.000	1.000	0.0	87	-0.06	9.01-10.01
112	1,2,4,5-Tetrachloroben	0.523	0.522	0.2	91	-0.05	7.67- 8.67
114	Chrysene-d12a	1.000	1.000	0.0	83	-0.05	14.48-15.48
	----- True Calc. % Drift -----						
115	Benzidine	50.000	51.657	-3.3	79	-0.04	13.06-14.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
 P52533.D MP2264.M Thu Oct 14 08:41:57 2010 MSP

7.7.20

7

GC/MS Semi-volatiles

Raw Data

∞

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30127.D
 Acq On : 12 Oct 2010 9:12 pm
 Operator : olgaa
 Sample : ja58043-2
 Misc : op46062,e3e1333,35.4
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 20 15:04:45 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.208	152	172746	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	659370	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	411373	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	627800	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	544072	40.00	ppb	0.00
92) Perylene-d12	14.702	264	457280	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.208	152	172746	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	411373	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	627800	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	544072	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.020	112	446555	77.41	ppb	0.01
Spiked Amount 50.000			Recovery =	154.82%		
8) Phenol-d5	2.903	99	569880	74.59	ppb	0.00
Spiked Amount 50.000			Recovery =	149.18%		
25) Nitrobenzene-d5	3.924	82	455327	70.41	ppb	0.00
Spiked Amount 50.000			Recovery =	140.82%		
51) 2-Fluorobiphenyl	6.534	172	1044014	73.31	ppb	0.00
Spiked Amount 50.000			Recovery =	146.62%		
73) 2,4,6-Tribromophenol	8.738	330	119841	96.94	ppb	0.00
Spiked Amount 50.000			Recovery =	193.88%		
85) Terphenyl-d14	12.204	244	884196	86.25	ppb	0.00
Spiked Amount 50.000			Recovery =	172.50%		

Target Compounds

						Qvalue
38) Naphthalene	4.876	128	18401	0.96	ppb	96
56) Acenaphthylene	7.246	152	8310	0.44	ppb	96
62) Dibenzofuran	7.791	168	7680	0.45	ppb	89
77) Phenanthrene	9.781	178	130417	7.25	ppb	99
78) Anthracene	9.851	178	24523	1.39	ppb	89
79) Carbazole	10.166	167	12872	0.76	ppb	96
81) Fluoranthene	11.600	202	228263	12.62	ppb	98
84) Pyrene	11.878	202	225725	13.03	ppb	98
88) Benzo[a]anthracene	13.317	228	92424	6.46	ppb	97
90) Chrysene	13.354	228	102603	6.85	ppb	97
94) Benzo[b]fluoranthene	14.376	252	85171	7.83	ppb	92
95) Benzo[k]fluoranthene	14.392	252	53835	3.39	ppb	95
96) Benzo[a]pyrene	14.648	252	78156	6.50	ppb	90
97) Indeno[1,2,3-cd]pyrene	15.531	276	46737	3.13	ppb	86
99) Dibenz[a,h]anthracene	15.547	278	16275	1.74	ppb	94
101) Benzo[g,h,i]perylene	15.723	276	44190	3.65	ppb	90

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

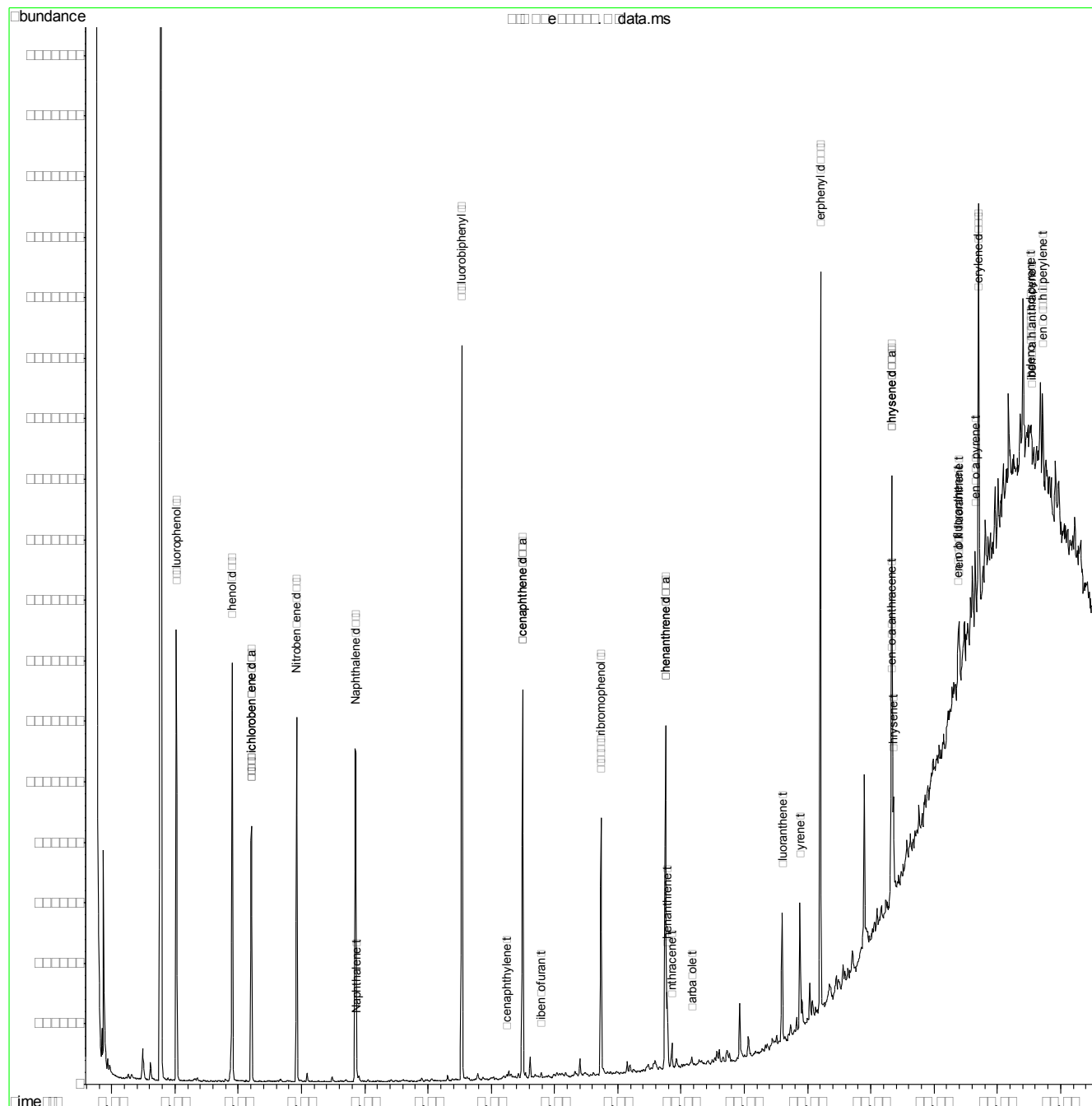
Quantitation Report (QT/LSC Reviewed)

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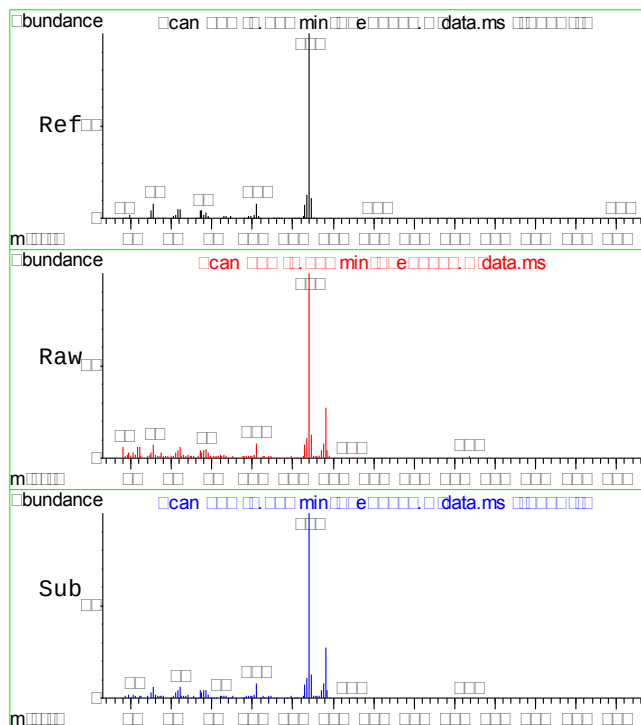
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Data File   : 3e30127.D
Acq On      : 12 Oct 2010    9:12 pm
Operator    : olgaa
Sample      : ja58043-2
Misc        : op46062,e3e1333,35.4
ALS Vial    : 23    Sample Multiplier: 1

```

Quant Time: Oct 20 15:04:45 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration

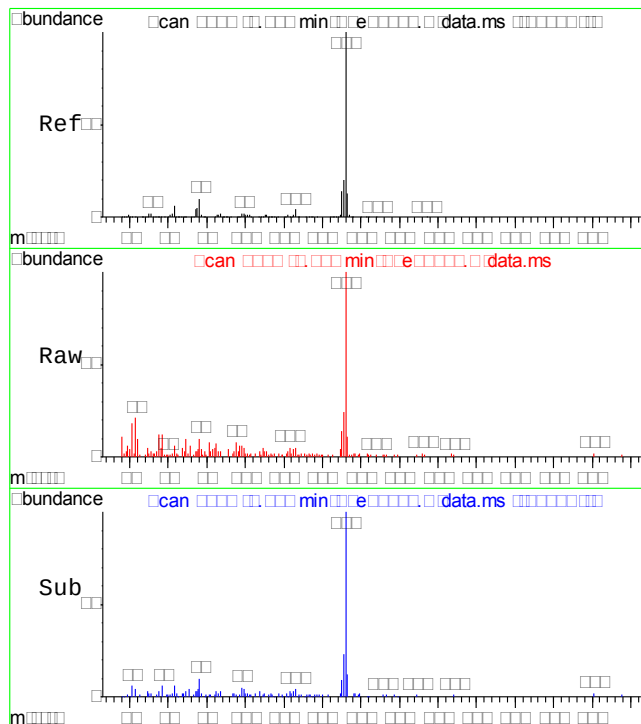
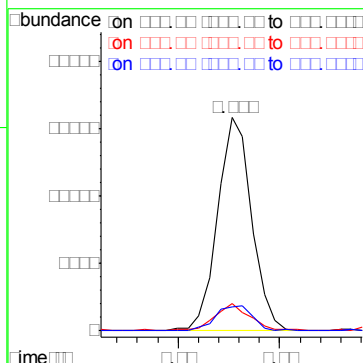


8.1.1



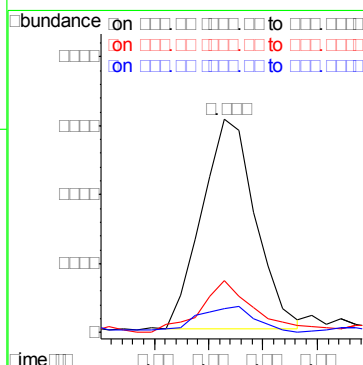
#38
Naphthalene
Concen: 0.96 ppb
RT: 4.876 min Scan# 803
Delta R.T. -0.005 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

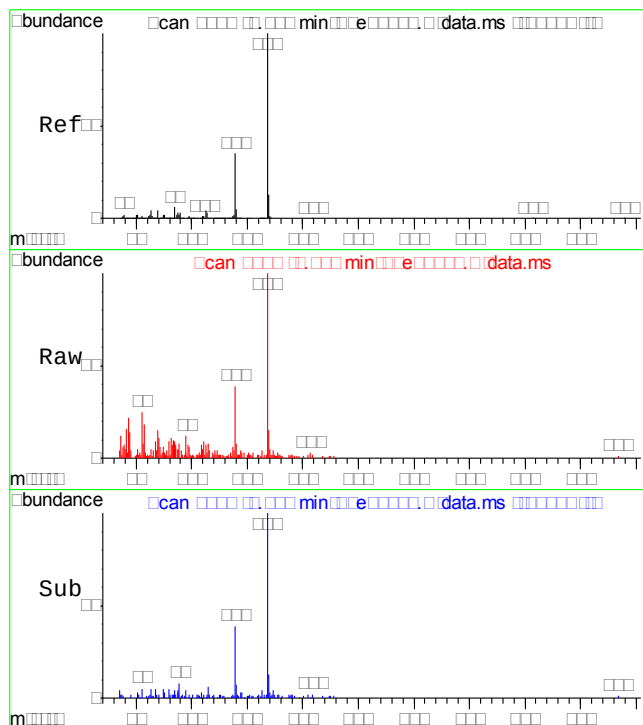
Tgt Ion:	128	Resp:	18401
Ion Ratio	Lower	Upper	
128	100		
129	12.0	0.0	41.0
127	11.2	0.0	42.9



#56
Acenaphthylene
Concen: 0.44 ppb
RT: 7.246 min Scan# 1246
Delta R.T. -0.005 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

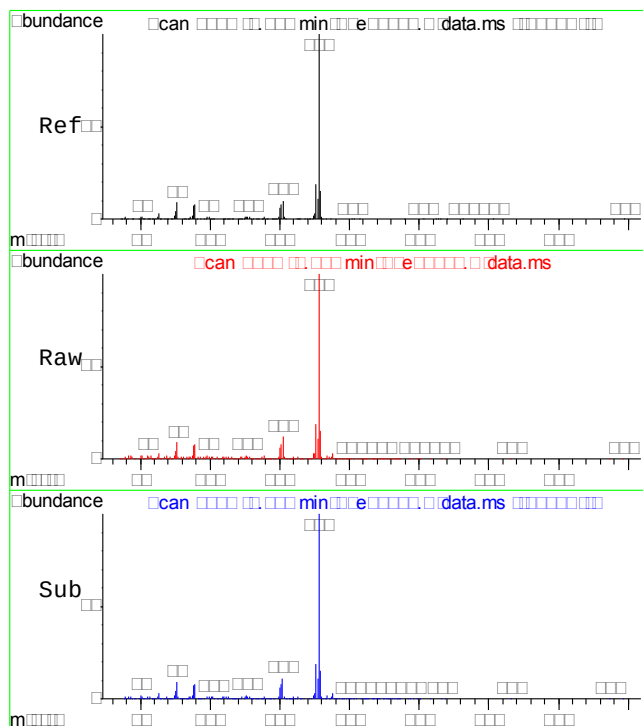
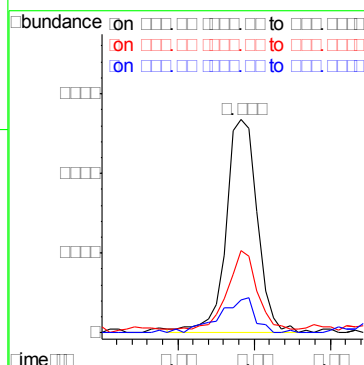
Tgt Ion:	152	Resp:	8310
Ion Ratio	Lower	Upper	
152	100		
151	21.5	0.0	50.1
153	10.8	0.0	43.4





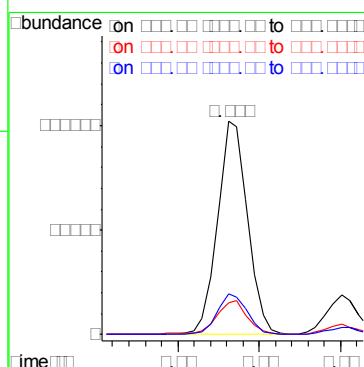
#62
Dibenzofuran
Concen: 0.45 ppb
RT: 7.791 min Scan# 1348
Delta R.T. -0.011 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

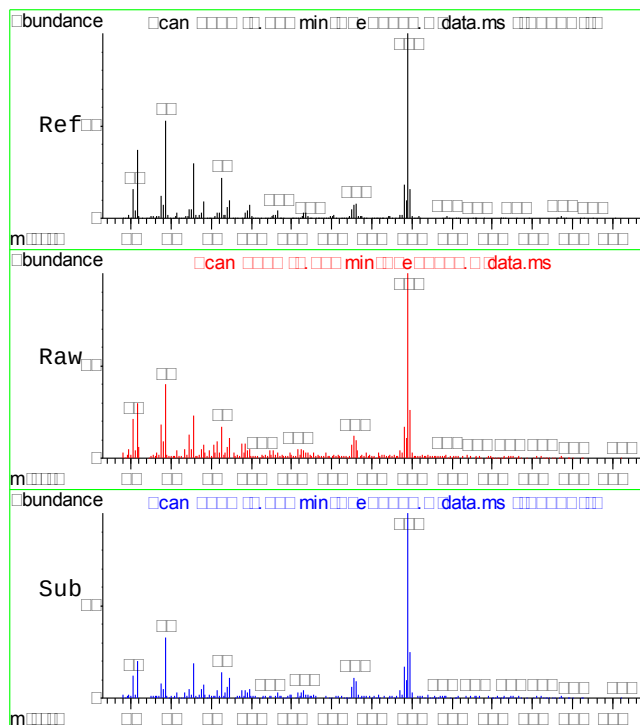
Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	0.0	59.3
169	14.8	0.0	43.5



#77
Phenanthrene
Concen: 7.25 ppb
RT: 9.781 min Scan# 1720
Delta R.T. -0.011 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

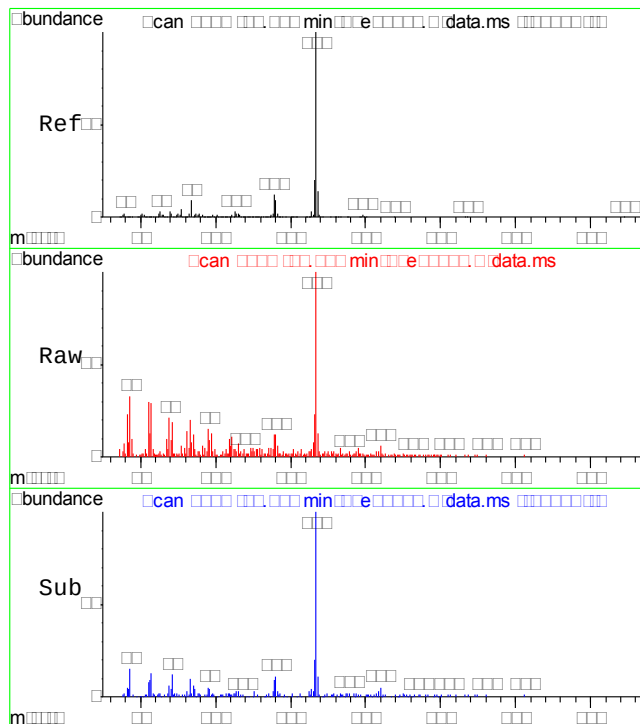
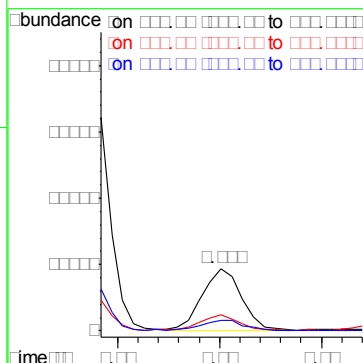
Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.4	0.0	45.3
176	18.8	0.0	48.8





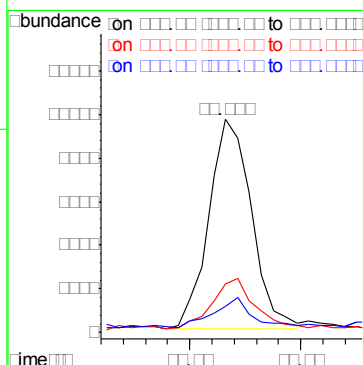
#78
 Anthracene
 Concen: 1.39 ppb
 RT: 9.851 min Scan# 1733
 Delta R.T. -0.011 min
 Lab File: 3e30127.D
 Acq: 12 Oct 2010 9:12 pm

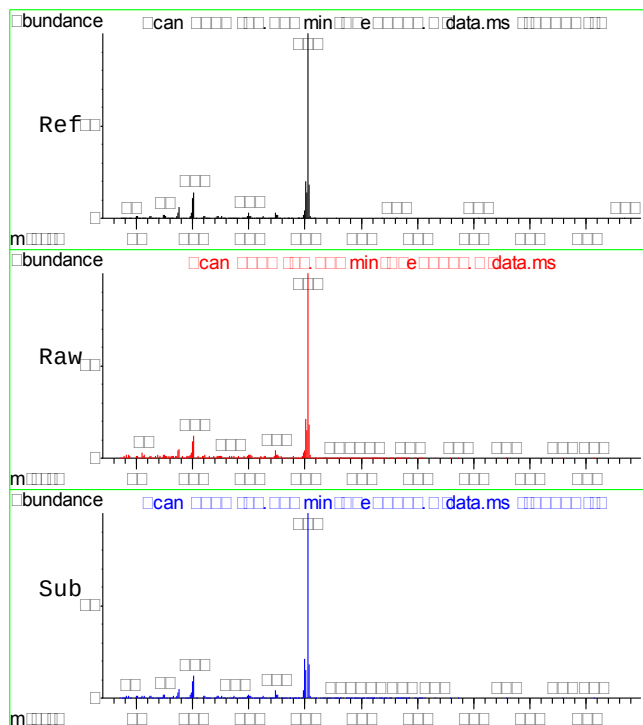
Tgt Ion:	178	Resp:	24523
Ion Ratio	Lower	Upper	
178	100		
179	24.5	0.0	45.6
176	16.5	0.0	47.9



#79
 Carbazole
 Concen: 0.76 ppb
 RT: 10.166 min Scan# 1792
 Delta R.T. -0.011 min
 Lab File: 3e30127.D
 Acq: 12 Oct 2010 9:12 pm

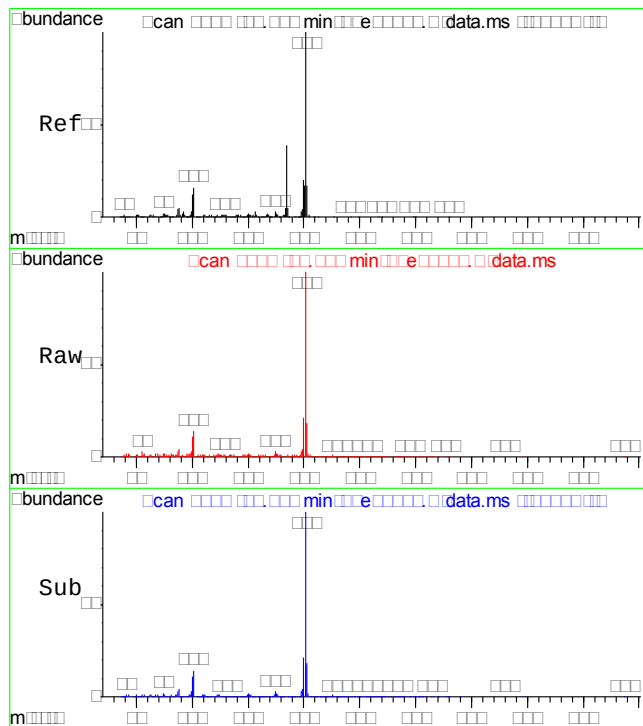
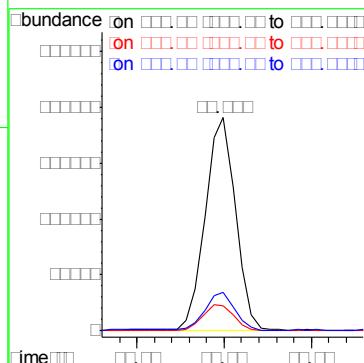
Tgt Ion:	167	Resp:	12872
Ion Ratio	Lower	Upper	
167	100		
166	21.0	0.0	50.5
139	9.3	0.0	42.4





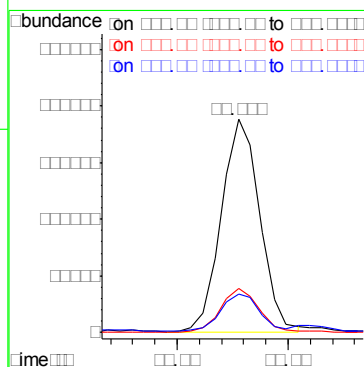
#81
Fluoranthene
Concen: 12.62 ppb
RT: 11.600 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

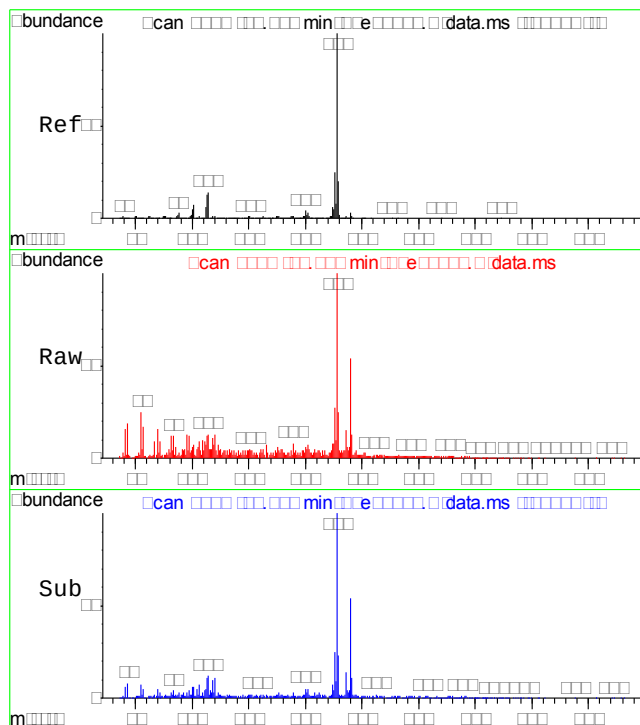
Tgt Ion:	202	Resp:	228263
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	43.6
203	17.7	0.0	47.7



#84
Pyrene
Concen: 13.03 ppb
RT: 11.878 min Scan# 2112
Delta R.T. -0.005 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

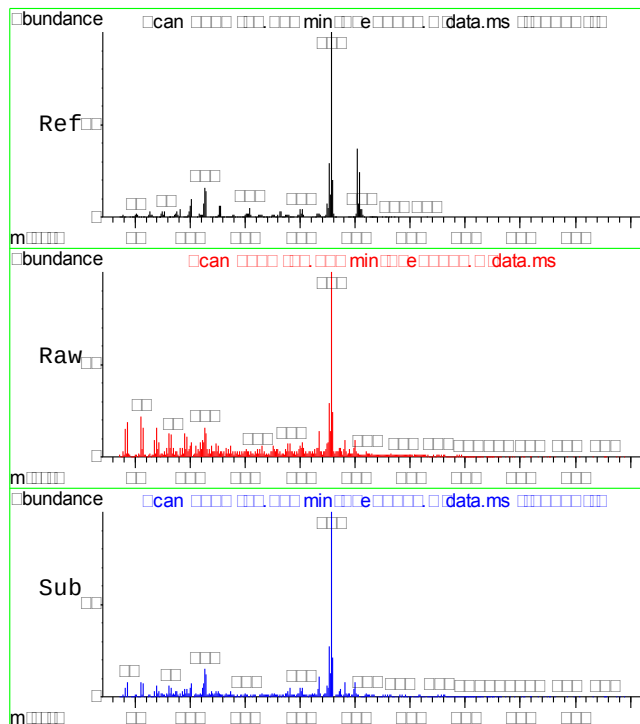
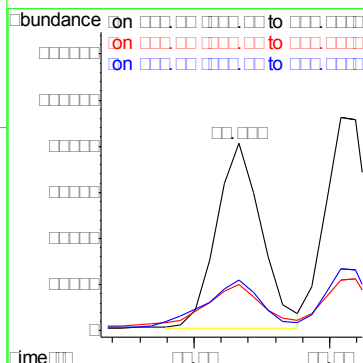
Tgt Ion:	202	Resp:	225725
Ion Ratio	Lower	Upper	
202	100		
200	20.6	0.0	50.1
203	16.4	0.0	47.5





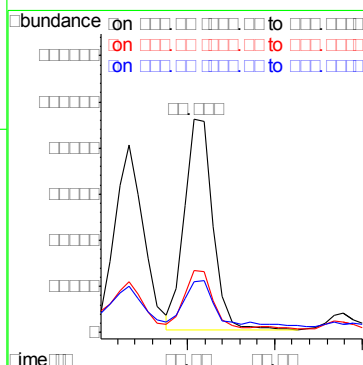
#88
Benzo[a]anthracene
Concen: 6.46 ppb
RT: 13.317 min Scan# 2381
Delta R.T. -0.000 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

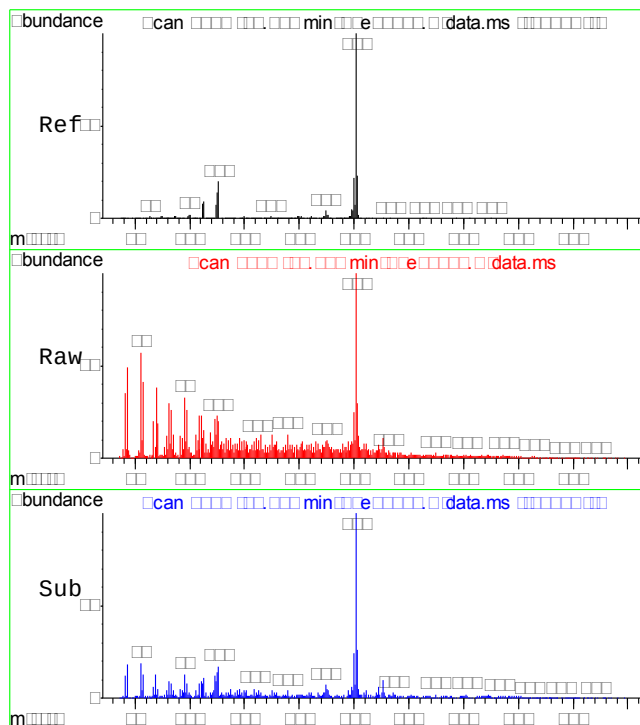
Tgt Ion:	228	Resp:	92424
Ion Ratio	Lower	Upper	
228	100		
229	20.9	0.0	50.4
226	23.5	0.0	55.5



#90
Chrysene
Concen: 6.85 ppb
RT: 13.354 min Scan# 2388
Delta R.T. -0.005 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

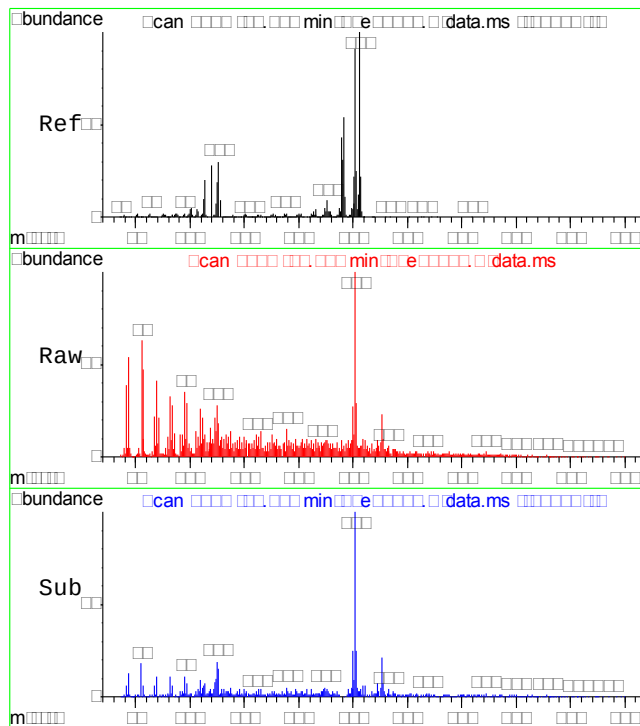
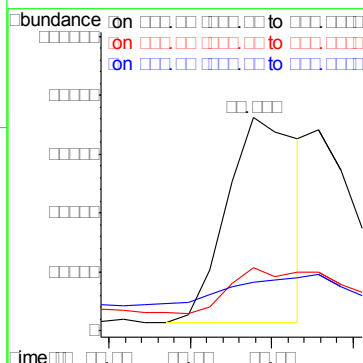
Tgt Ion:	228	Resp:	102603
Ion Ratio	Lower	Upper	
228	100		
226	27.5	0.0	59.2
229	20.6	0.0	49.9





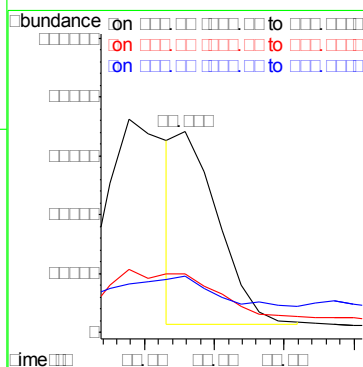
#94
Benzo[b]fluoranthene
Concen: 7.83 ppb
RT: 14.376 min Scan# 2579
Delta R.T. 0.001 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

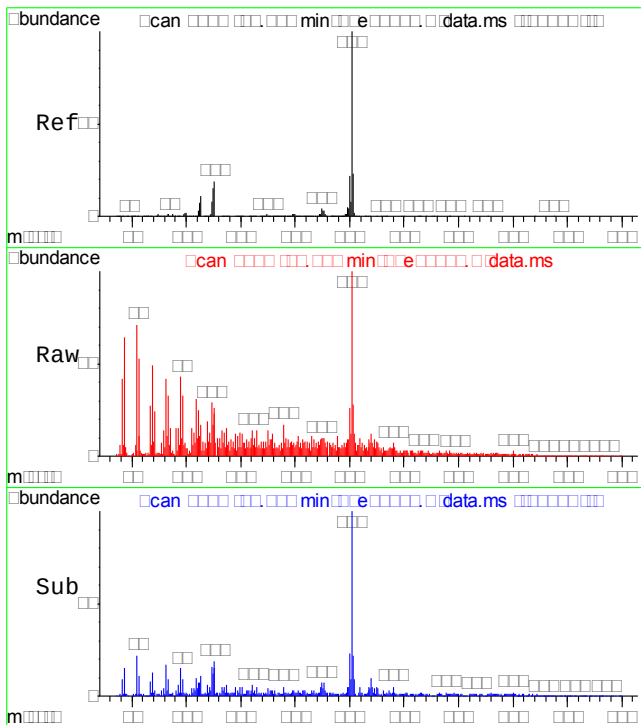
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	53.1
125	8.0	0.0	45.0



#95
Benzo[k]fluoranthene
Concen: 3.39 ppb
RT: 14.392 min Scan# 2582
Delta R.T. -0.011 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

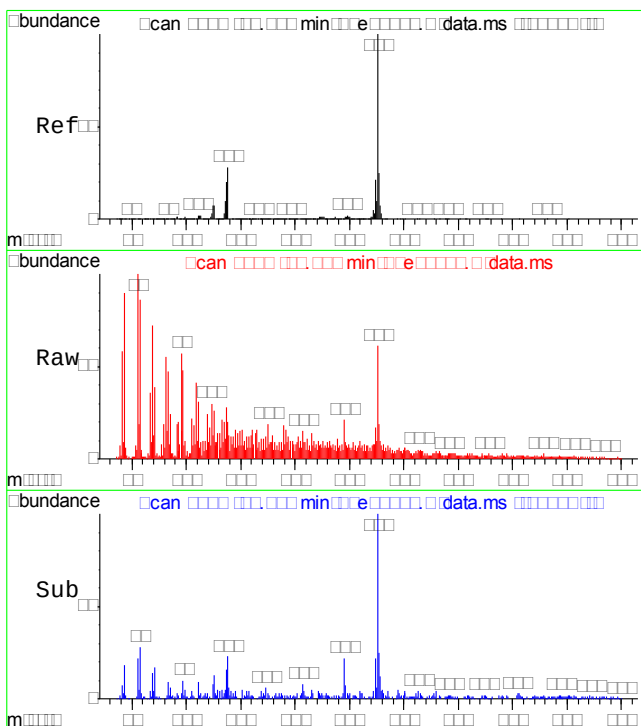
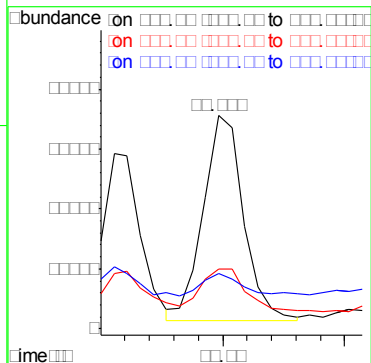
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	55.1
125	17.5	0.0	48.0





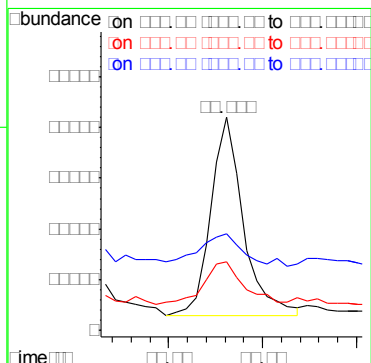
#96
Benzo[a]pyrene
Concen: 6.50 ppb
RT: 14.648 min Scan# 2630
Delta R.T. 0.000 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

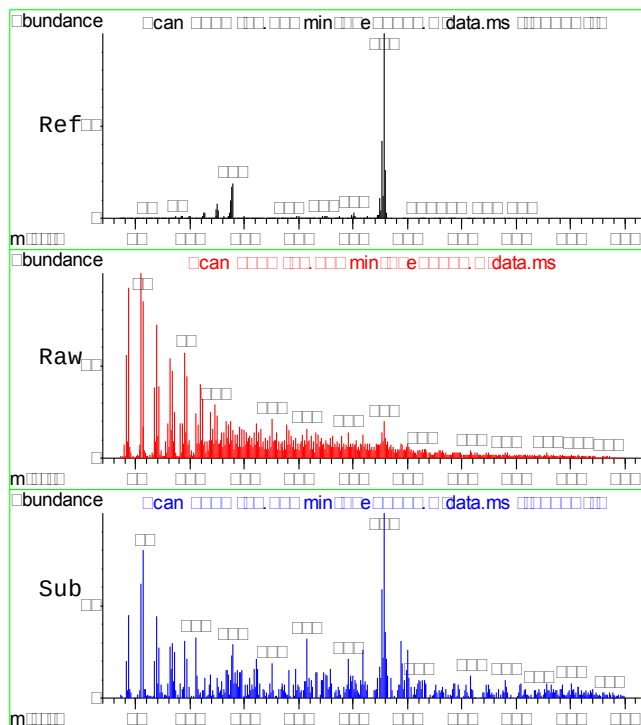
Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.8	0.0	52.9
125	9.9	0.0	45.3



#97
Indeno[1,2,3-cd]pyrene
Concen: 3.13 ppb
RT: 15.531 min Scan# 2795
Delta R.T. 0.006 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

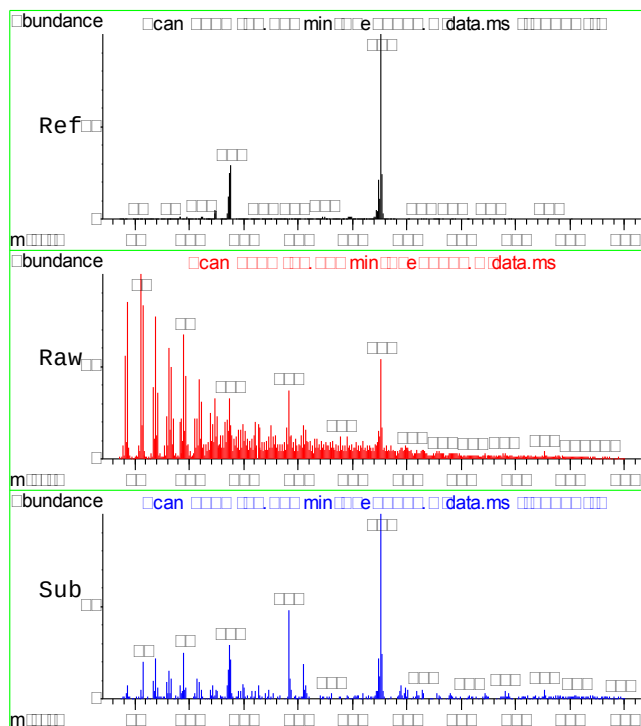
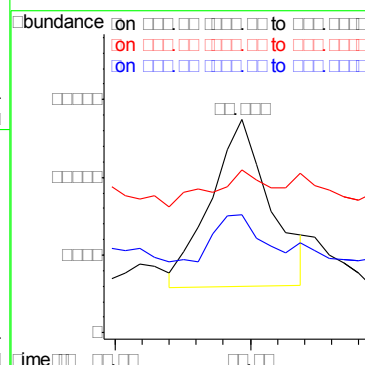
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	0.0	57.8
137	15.3	0.0	49.9





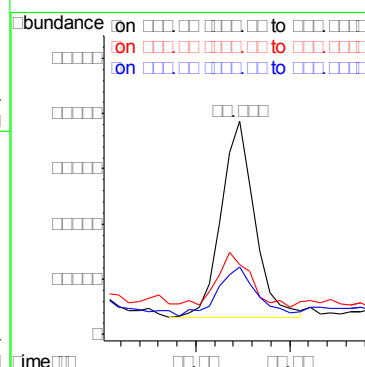
#99
Dibenz[a,h]anthracene
Concen: 1.74 ppb
RT: 15.547 min Scan# 2798
Delta R.T. 0.001 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	0.0	49.3
279	27.7	0.0	56.1



#101
Benzo[g,h,i]perylene
Concen: 3.65 ppb
RT: 15.723 min Scan# 2831
Delta R.T. 0.005 min
Lab File: 3e30127.D
Acq: 12 Oct 2010 9:12 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	0.0	58.8
277	23.0	0.0	53.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30156.D
 Acq On : 13 Oct 2010 5:28 pm
 Operator : olgaa
 Sample : ja58043-3
 Misc : op46062,e3e1334,35.1,,,1,5
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 14 16:56:31 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	197816	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	781154	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	498403	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	786093	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	706199	40.00	ppb	0.00
92) Perylene-d12	14.702	264	588605	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	197816	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	498403	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	786093	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	706199	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.010	112	102105	15.46	ppb	0.00
Spiked Amount 50.000			Recovery =	30.92%		
8) Phenol-d5	2.897	99	133070	15.21	ppb	0.00
Spiked Amount 50.000			Recovery =	30.42%		
25) Nitrobenzene-d5	3.914	82	105347	13.75	ppb	-0.01
Spiked Amount 50.000			Recovery =	27.50%		
51) 2-Fluorobiphenyl	6.529	172	248686	14.41	ppb	0.00
Spiked Amount 50.000			Recovery =	28.82%		
73) 2,4,6-Tribromophenol	8.727	330	27894	18.02	ppb	-0.01
Spiked Amount 50.000			Recovery =	36.04%		
85) Terphenyl-d14	12.193	244	231129	17.37	ppb	0.00
Spiked Amount 50.000			Recovery =	34.74%		

Target Compounds

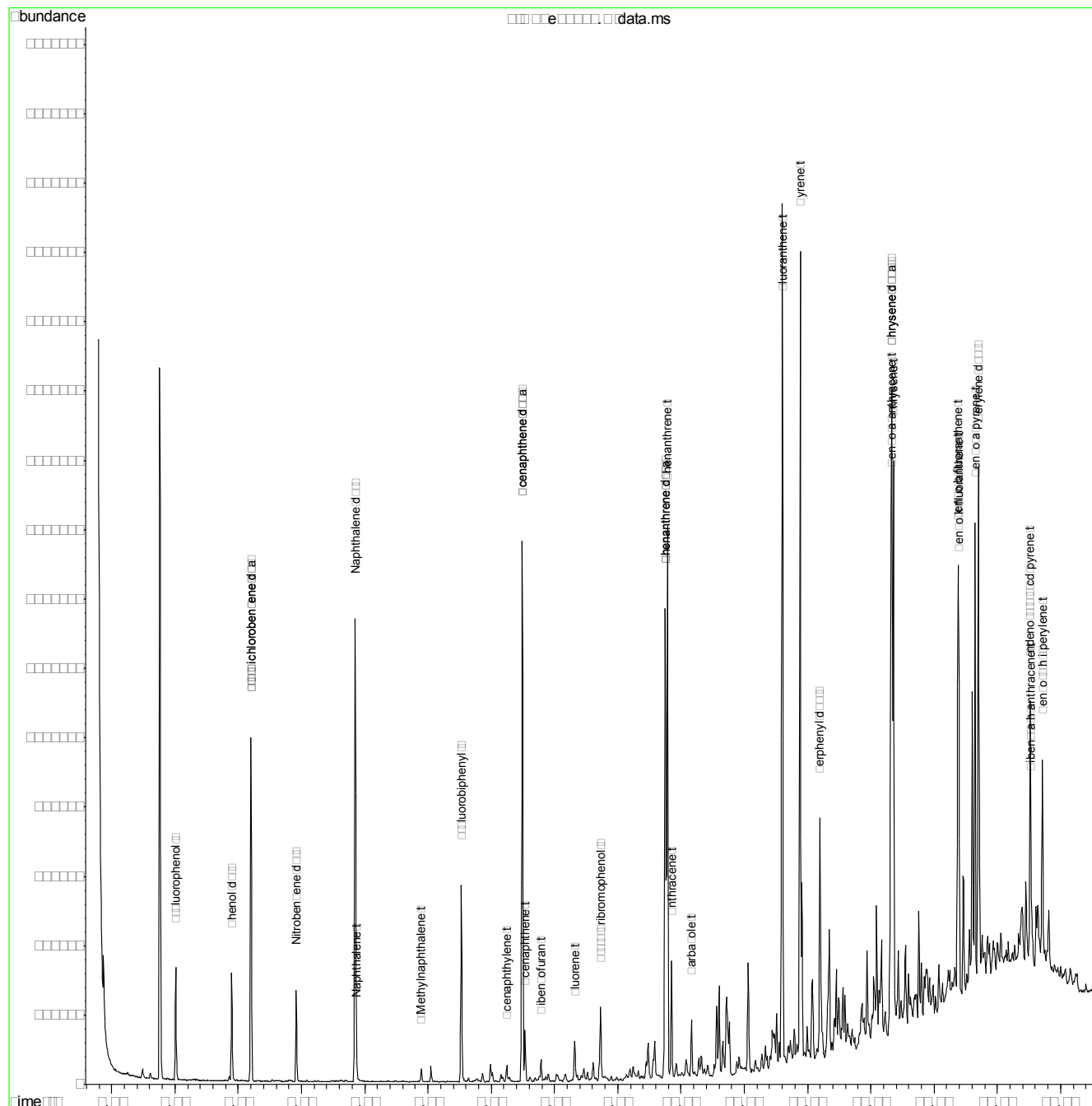
						Qvalue
38) Naphthalene	4.871	128	28721	1.26	ppb	97
44) 2-Methylnaphthalene	5.893	142	12419	0.81	ppb	98
56) Acenaphthylene	7.246	152	31170	1.37	ppb	99
59) Acenaphthene	7.535	153	47040	3.26	ppb	96
62) Dibenzofuran	7.791	168	35541	1.72	ppb	90
66) Fluorene	8.321	166	47811	2.91	ppb	97
77) Phenanthrene	9.786	178	861883	38.28	ppb	99
78) Anthracene	9.851	178	172068	7.81	ppb	94
79) Carbazole	10.166	167	102059	4.81	ppb	98
81) Fluoranthene	11.605	202	1410708	62.29	ppb	98
84) Pyrene	11.883	202	1219848	54.23	ppb	98
88) Benzo[a]anthracene	13.317	228	579536	31.22	ppb	98
90) Chrysene	13.359	228	558258	28.70	ppb	98
94) Benzo[b]fluoranthene	14.381	252	584388m	33.17	ppb	
95) Benzo[k]fluoranthene	14.392	252	323062m	15.81	ppb	
96) Benzo[a]pyrene	14.648	252	500682	30.57	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.520	276	321244	16.76	ppb	96
99) Dibenz[a,h]anthracene	15.536	278	105956m	6.99	ppb	
101) Benzo[g,h,i]perylene	15.713	276	292530	18.77	ppb	96

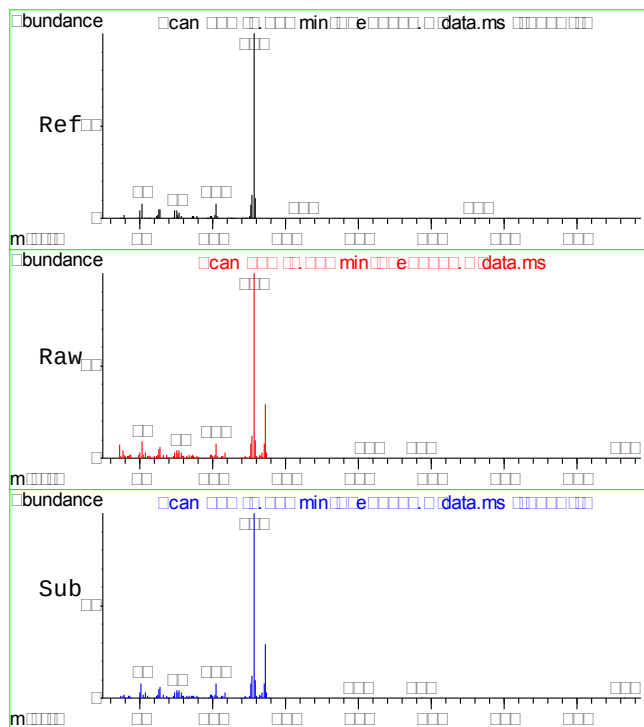
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
Data File : 3e30156.D
Acq On : 13 Oct 2010 5:28 pm
Operator : olgaa
Sample : ja58043-3
Misc : op46062,e3e1334,35.1,,,1,5
ALS Vial : 20 Sample Multiplier: 1

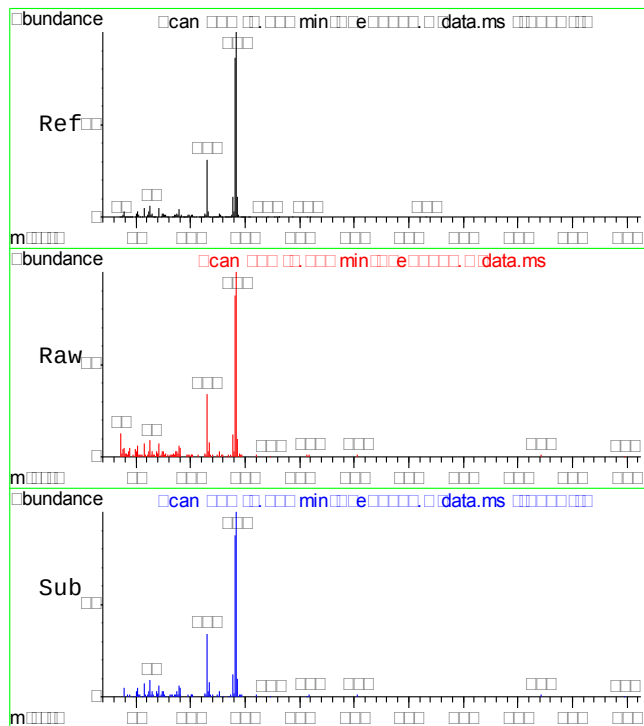
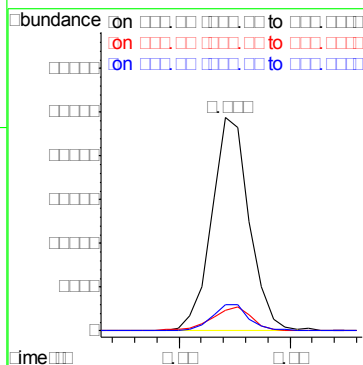
Quant Time: Oct 14 16:56:31 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration





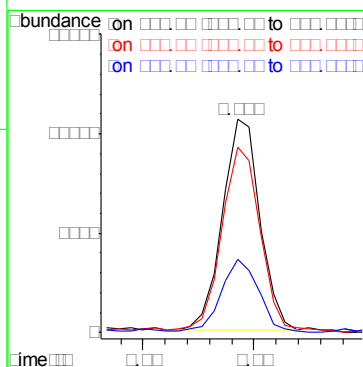
#38
Naphthalene
Concen: 1.26 ppb
RT: 4.871 min Scan# 802
Delta R.T. -0.011 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

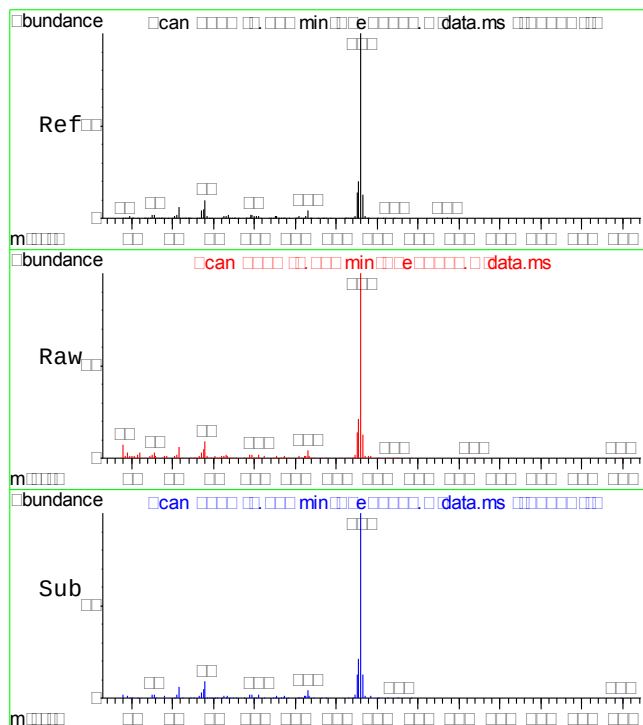
Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.3	0.0	41.0
127	11.9	0.0	42.9



#44
2-Methylnaphthalene
Concen: 0.81 ppb
RT: 5.893 min Scan# 993
Delta R.T. -0.011 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

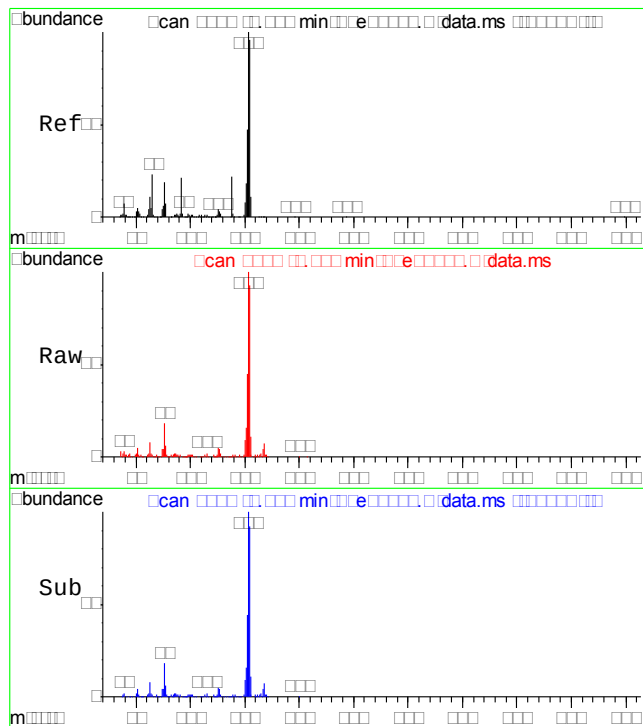
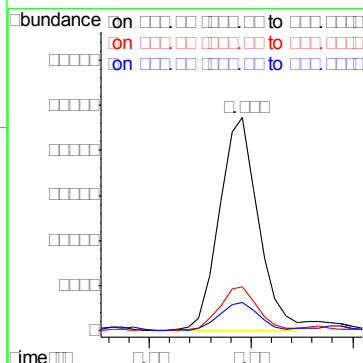
Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.0	116.0
115	34.0	1.3	61.3





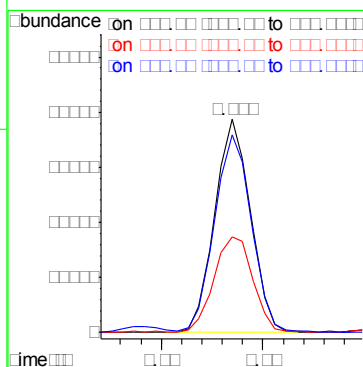
#56
Acenaphthylene
Concen: 1.37 ppb
RT: 7.246 min Scan# 1246
Delta R.T. -0.005 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

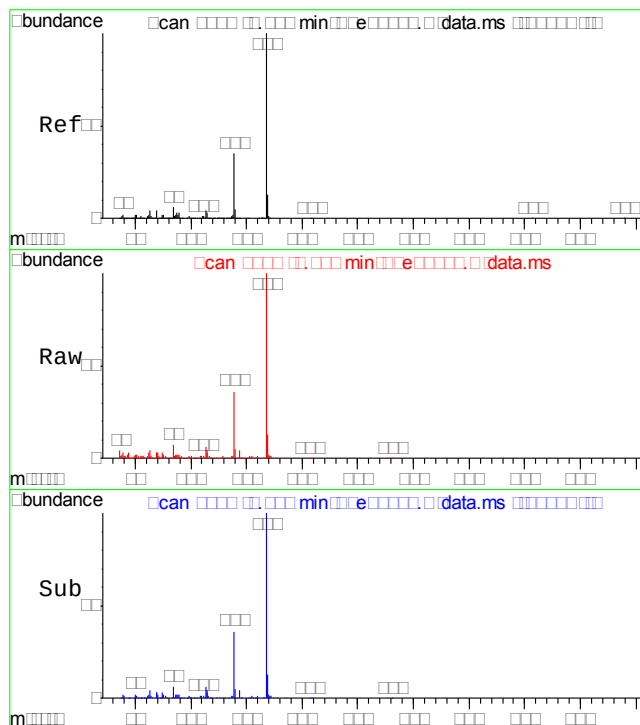
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	0.0	50.1
153	12.8	0.0	43.4



#59
Acenaphthene
Concen: 3.26 ppb
RT: 7.535 min Scan# 1300
Delta R.T. -0.011 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

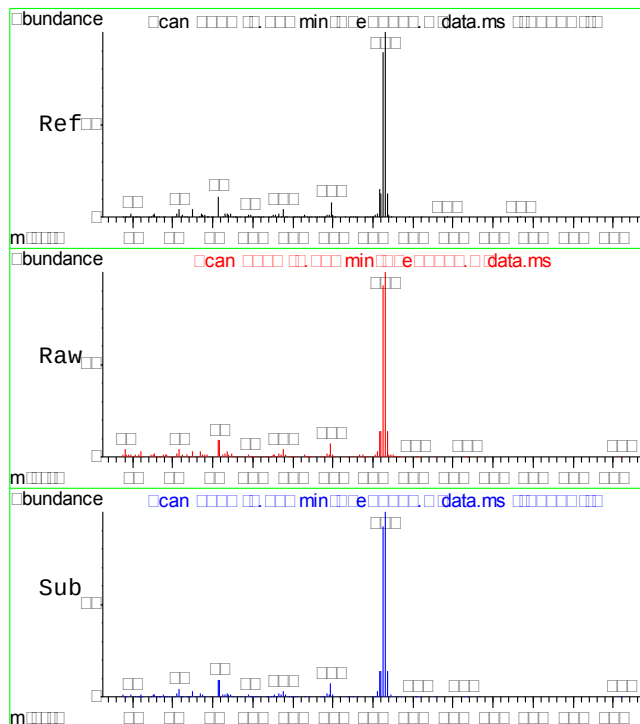
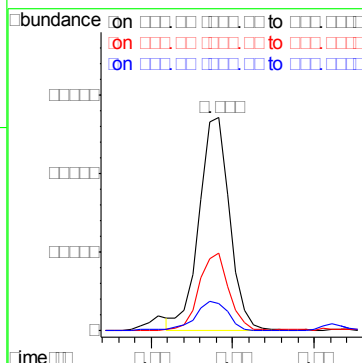
Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.3	17.3	77.3
154	91.9	66.2	126.2





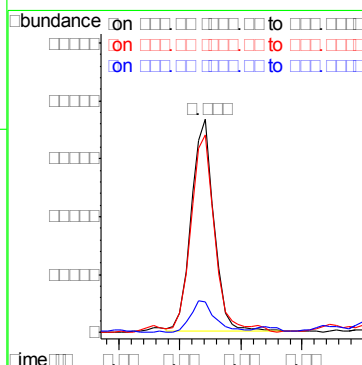
#62
Dibenzenofuran
Concen: 1.72 ppb
RT: 7.791 min Scan# 1348
Delta R.T. -0.011 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

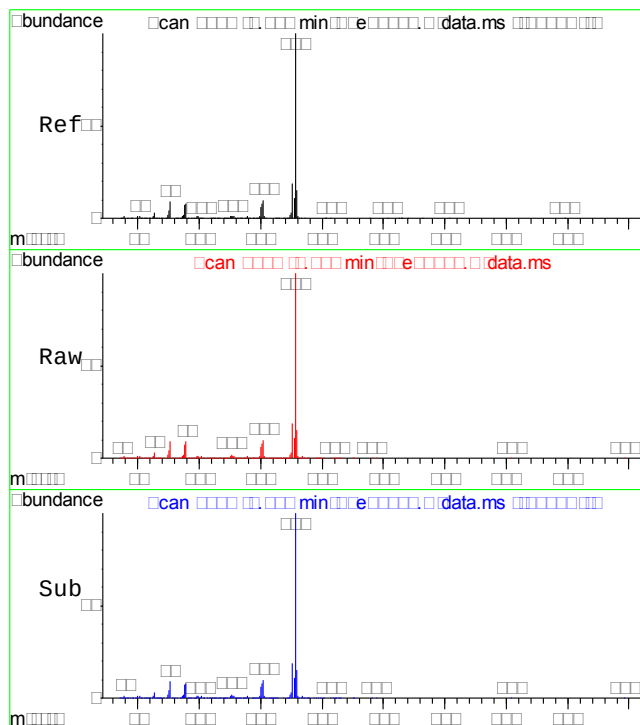
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.8	0.0	59.3
169	12.6	0.0	43.5



#66
Fluorene
Concen: 2.91 ppb
RT: 8.321 min Scan# 1447
Delta R.T. -0.005 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

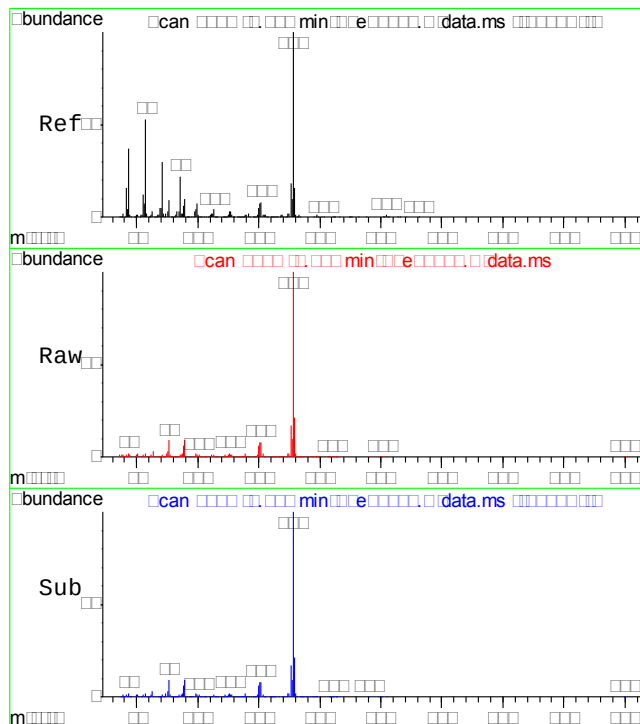
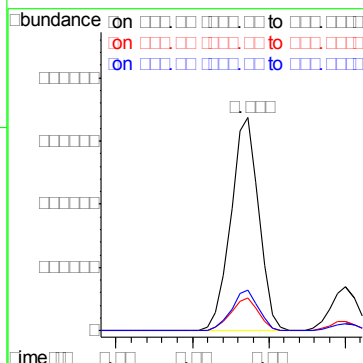
Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.2	59.4	119.4
167	13.9	0.0	43.2





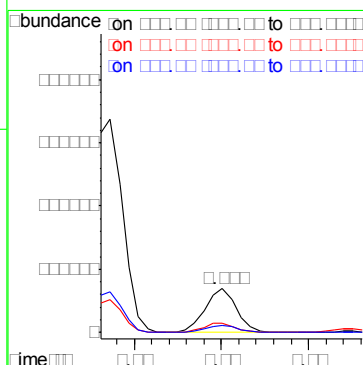
#77
Phenanthrene
Concen: 38.28 ppb
RT: 9.786 min Scan# 1721
Delta R.T. -0.005 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

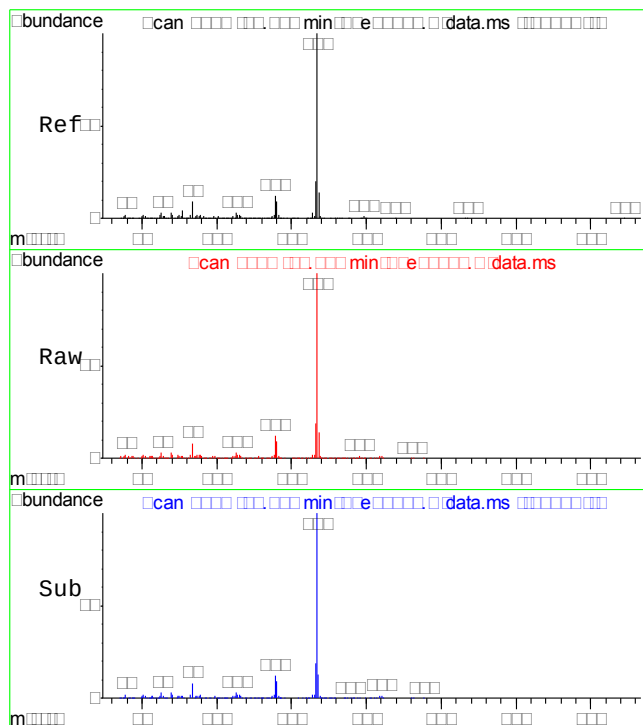
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.3
176	19.2	0.0	48.8



#78
Anthracene
Concen: 7.81 ppb
RT: 9.851 min Scan# 1733
Delta R.T. -0.011 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

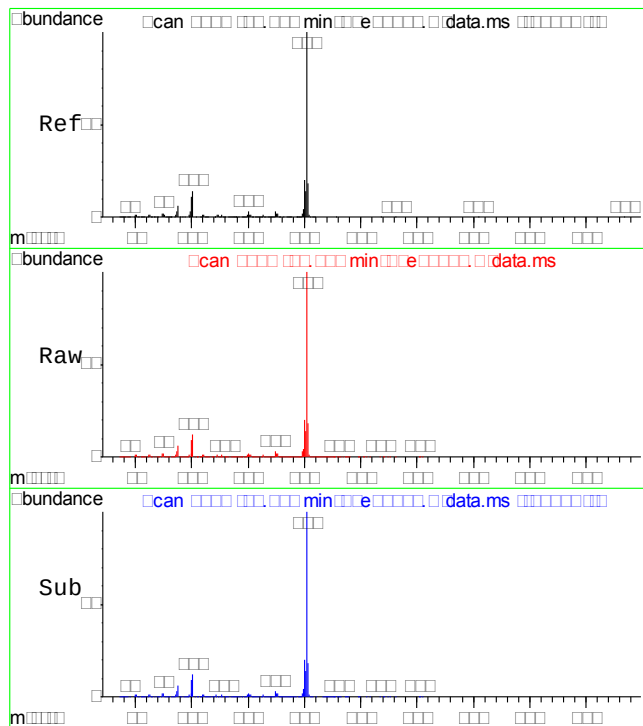
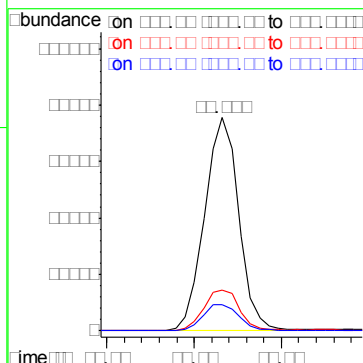
Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.6	0.0	45.6
176	17.4	0.0	47.9





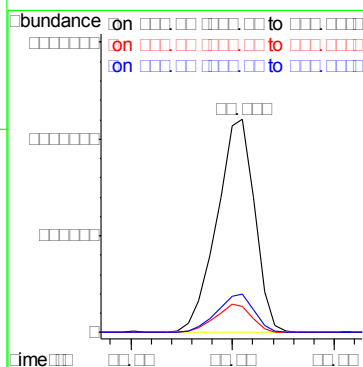
#79
Carbazole
Concen: 4.81 ppb
RT: 10.166 min Scan# 1792
Delta R.T. -0.011 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

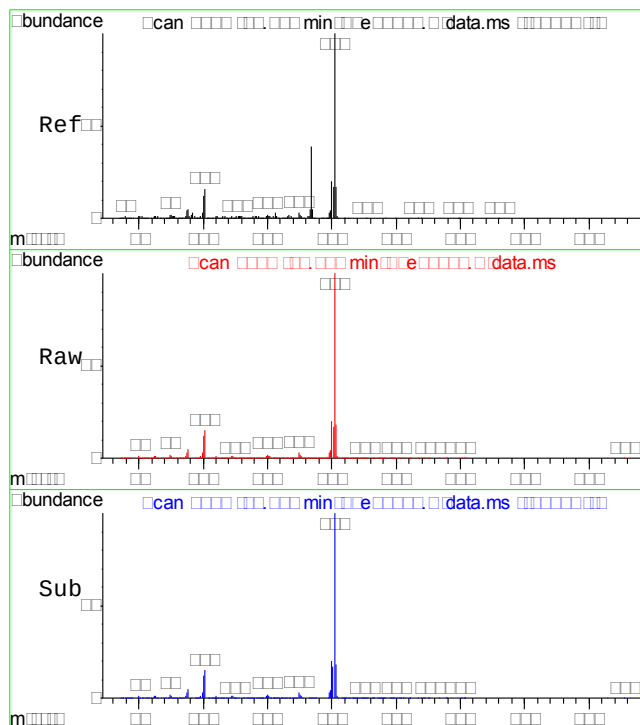
Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.0	0.0	50.5
139	12.2	0.0	42.4



#81
Fluoranthene
Concen: 62.29 ppb
RT: 11.605 min Scan# 2061
Delta R.T. 0.005 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

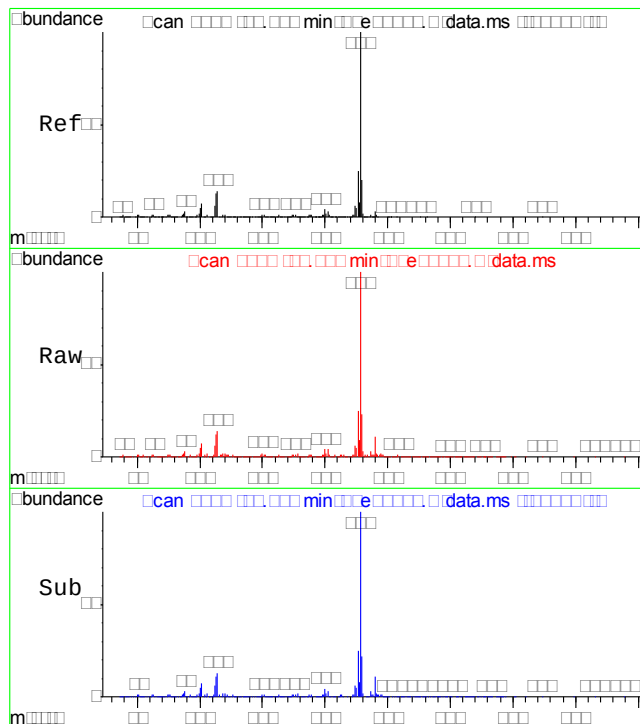
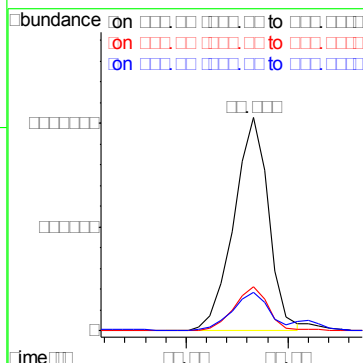
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	43.6
203	17.8	0.0	47.7





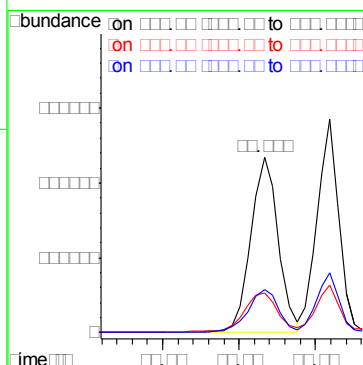
#84
Pyrene
Concen: 54.23 ppb
RT: 11.883 min Scan# 2113
Delta R.T. -0.000 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

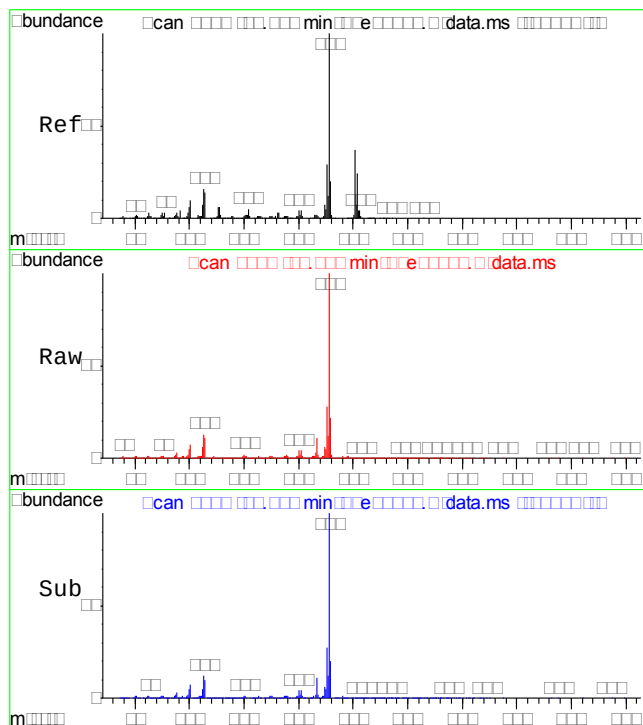
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.0	50.1
203	15.9	0.0	47.5



#88
Benzo[a]anthracene
Concen: 31.22 ppb
RT: 13.317 min Scan# 2381
Delta R.T. -0.000 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

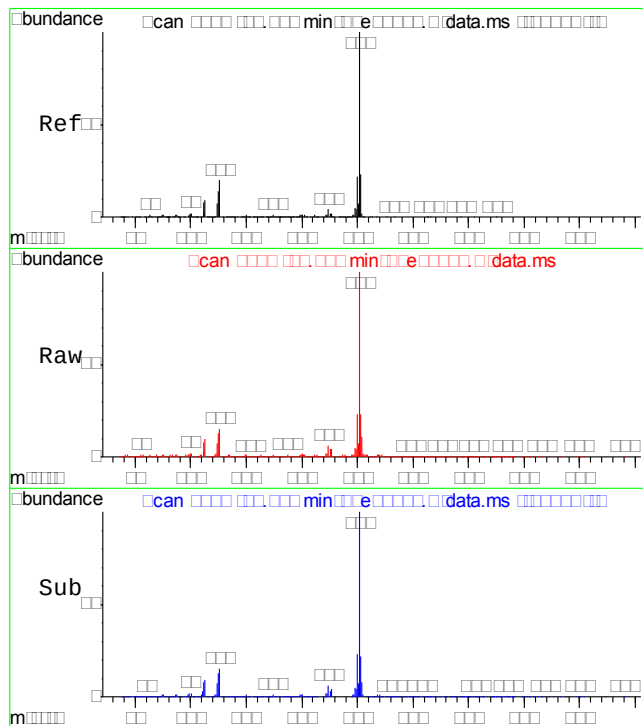
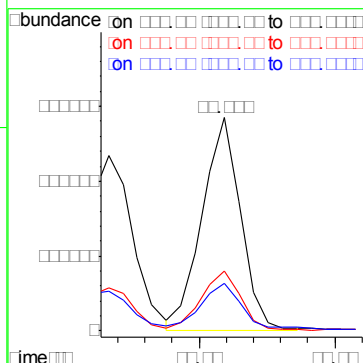
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	0.0	50.4
226	24.6	0.0	55.5





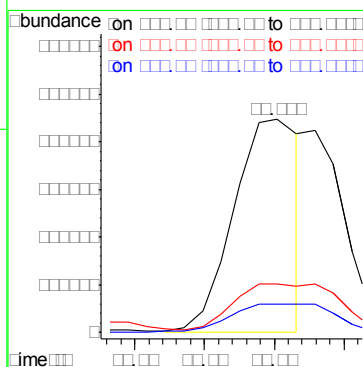
#90
Chrysene
Concen: 28.70 ppb
RT: 13.359 min Scan# 2389
Delta R.T. -0.000 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

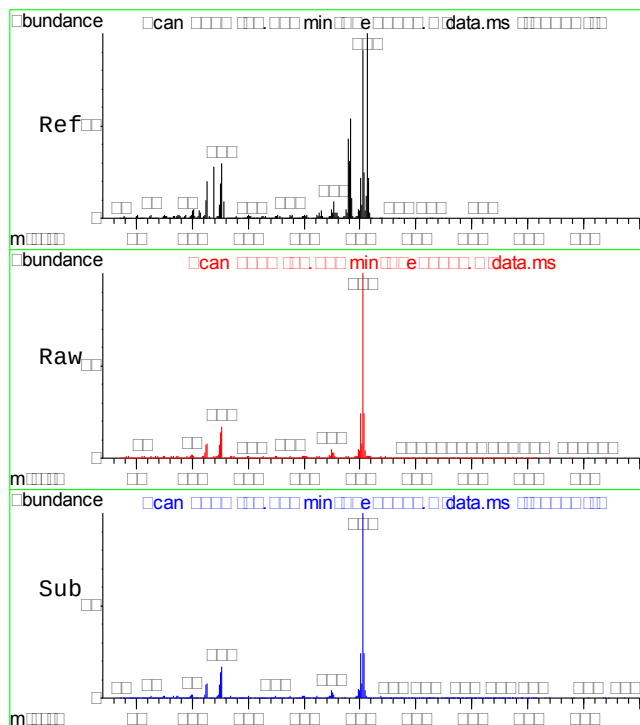
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	0.0	59.2
229	20.6	0.0	49.9



#94
Benzo[b]fluoranthene
Concen: 33.17 ppb m
RT: 14.381 min Scan# 2580
Delta R.T. 0.006 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

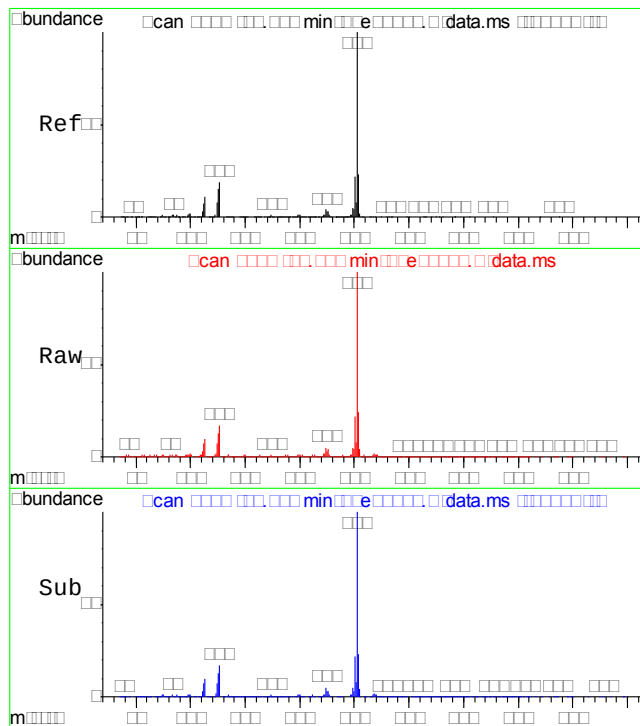
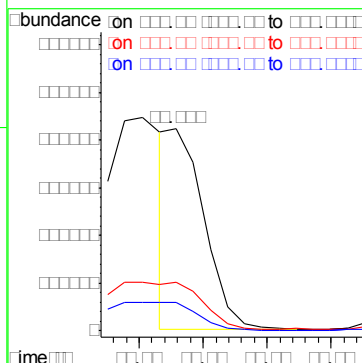
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	53.1
125	13.3	0.0	45.0





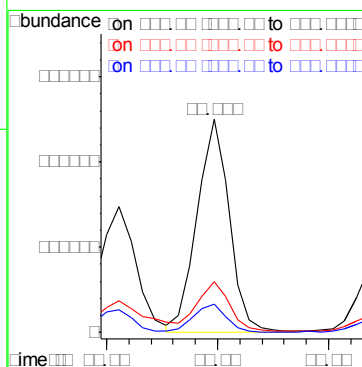
#95
Benzo[k]fluoranthene
Concen: 15.81 ppb m
RT: 14.392 min Scan# 2582
Delta R.T. -0.011 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

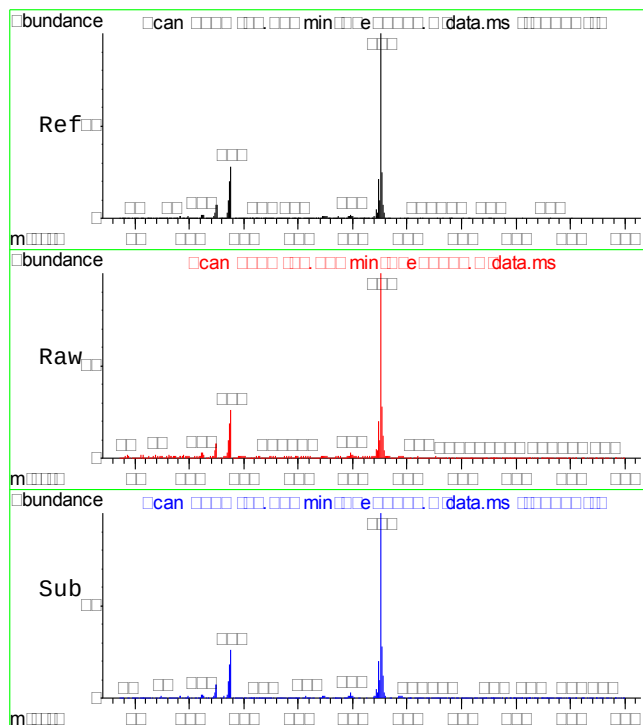
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	55.1
125	14.2	0.0	48.0



#96
Benzo[a]pyrene
Concen: 30.57 ppb
RT: 14.648 min Scan# 2630
Delta R.T. 0.000 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

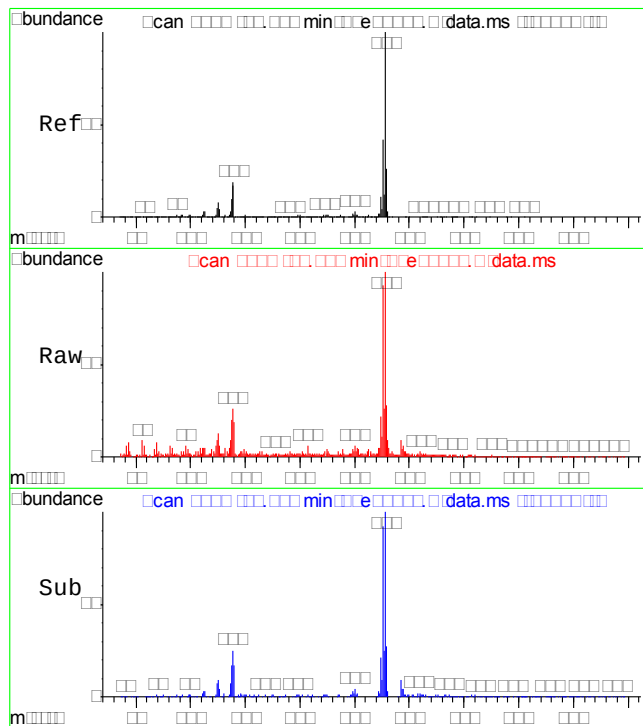
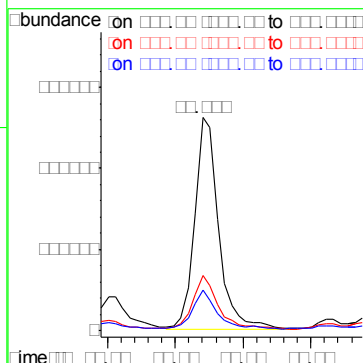
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	52.9
125	12.8	0.0	45.3





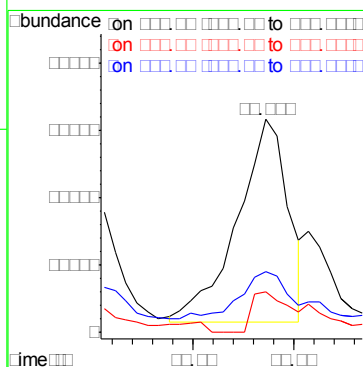
#97
Indeno[1,2,3-cd]pyrene
Concen: 16.76 ppb
RT: 15.520 min Scan# 2793
Delta R.T. -0.005 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

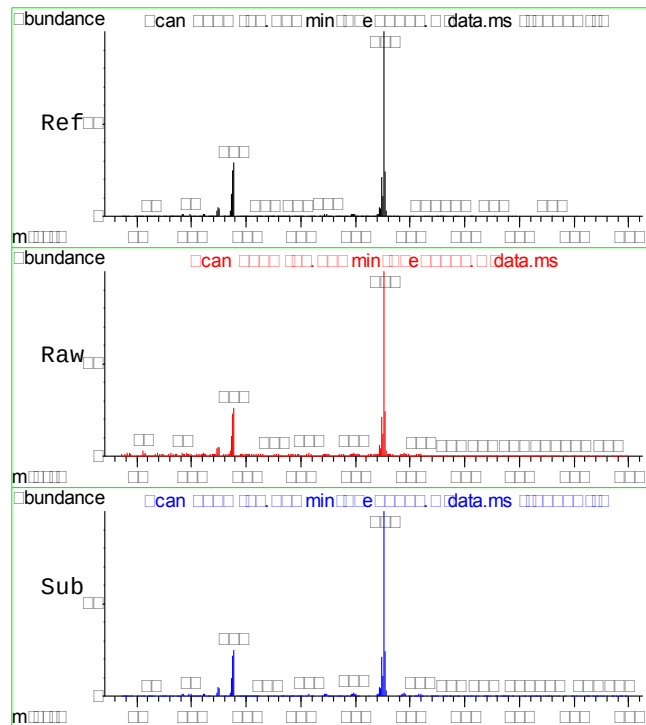
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	0.0	57.8
137	18.4	0.0	49.9



#99
Dibenz[a,h]anthracene
Concen: 6.99 ppb m
RT: 15.536 min Scan# 2796
Delta R.T. -0.010 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

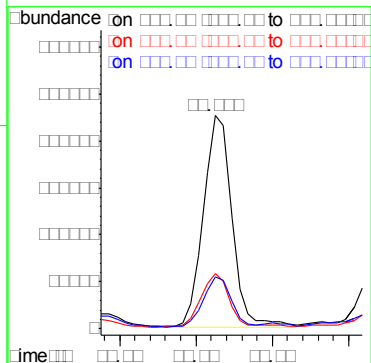
Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	0.0	49.3
279	28.4	0.0	56.1





#101
Benzo[g,h,i]perylene
Concen: 18.77 ppb
RT: 15.713 min Scan# 2829
Delta R.T. -0.005 min
Lab File: 3e30156.D
Acq: 13 Oct 2010 5:28 pm

Tgt Ion:	276	Resp:	292530
Ion Ratio	Lower	Upper	
276	100		
138	25.1	0.0	58.8
277	23.7	0.0	53.6



8.1.2
8

Manual Integration Approval Summary

Sample Number: JA58043-3

Method: SW846 8270C

Lab FileID: 3E30156.D

Analyst approved: 10/14/10 17:23 Olga Azarihn

Injection Time: 10/13/10 17:28

Supervisor approved: 10/19/10 15:44 Wendy Sherwood

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		14.38	Overlapping peak
Benzo(k)fluoranthene	207-08-9		14.39	Overlapping peak
Dibenzo(a,h)anthracene	53-70-3		15.54	Overlapping peak

8.1.2.1
8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30159.D
 Acq On : 13 Oct 2010 6:41 pm
 Operator : olgaa
 Sample : ja58043-3
 Misc : op46062,e3e1334,35.1
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 14 17:02:32 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	170230	40.00	ppb	0.00
24) Naphthalene-d8	4.849	136	633671	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	376929	40.00	ppb	0.00
69) Phenanthrene-d10	9.760	188	582370	40.00	ppb	0.00
83) Chrysene-d12	13.354	240	520717	40.00	ppb	0.02
92) Perylene-d12	14.723	264	463725	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	3.202	152	170230	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	376929	40.00	ppb	0.00
106) Phenanthrene-d10a	9.760	188	582370	40.00	ppb	0.01
109) Chrysene-d12a	13.354	240	520717	40.00	ppb	0.02

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	421269	74.11	ppb	0.00
Spiked Amount 50.000			Recovery =	148.22%		
8) Phenol-d5	2.903	99	534142	70.95	ppb	0.00
Spiked Amount 50.000			Recovery =	141.90%		
25) Nitrobenzene-d5	3.924	82	426678	68.66	ppb	0.00
Spiked Amount 50.000			Recovery =	137.32%		
51) 2-Fluorobiphenyl	6.534	172	952118	72.97	ppb	0.00
Spiked Amount 50.000			Recovery =	145.94%		
73) 2,4,6-Tribromophenol	8.738	330	110247	96.13	ppb	0.00
Spiked Amount 50.000			Recovery =	192.26%		
85) Terphenyl-d14	12.209	244	842706	85.89	ppb	0.01
Spiked Amount 50.000			Recovery =	171.78%		

Target Compounds

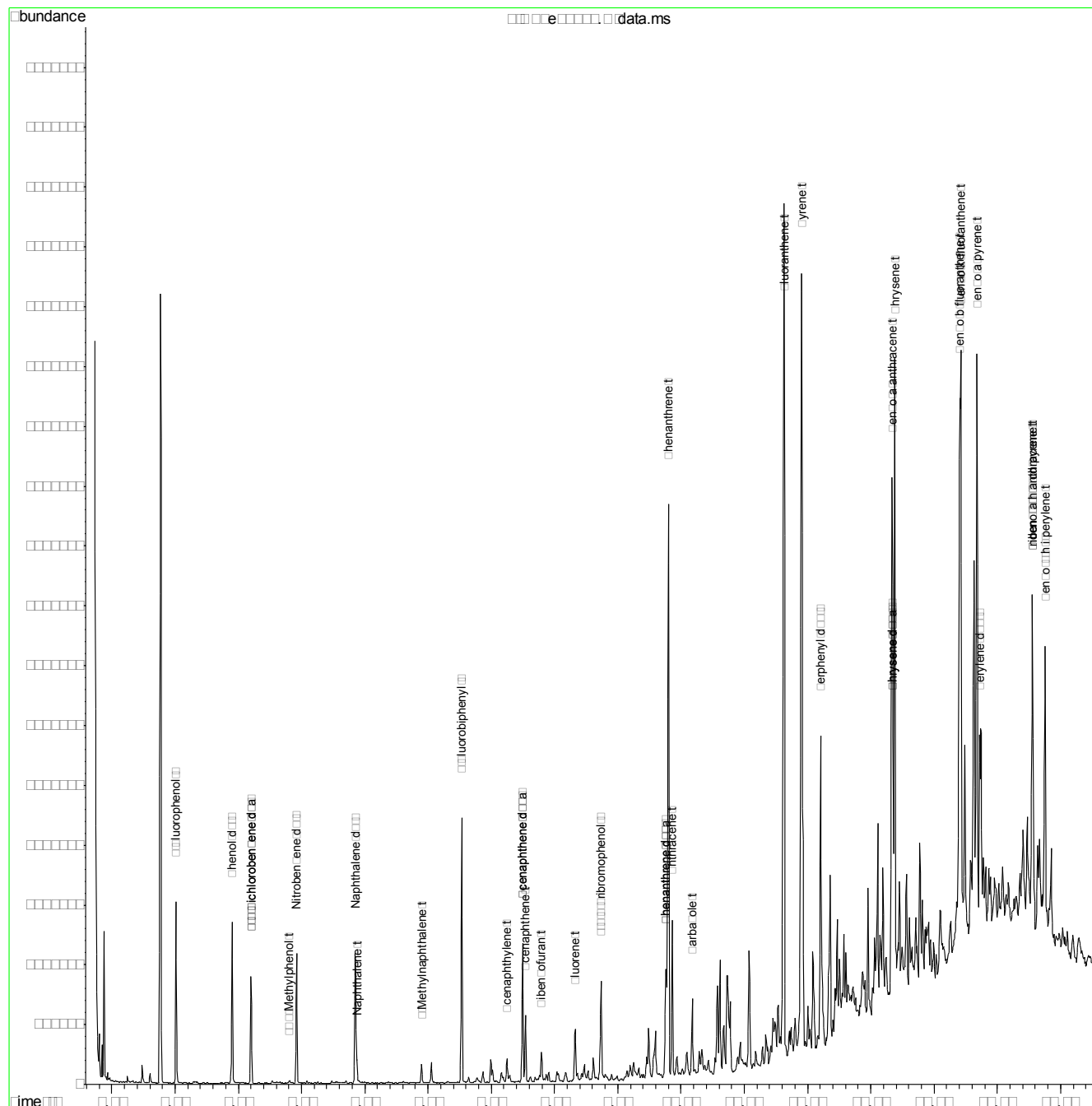
						Qvalue
21) 3&4-Methylphenol	3.807	108	6531	1.06	ppb	88
38) Naphthalene	4.876	128	113531	6.14	ppb	99
44) 2-Methylnaphthalene	5.898	142	52820	4.24	ppb	97
56) Acenaphthylene	7.246	152	144278	8.40	ppb	98
59) Acenaphthene	7.540	153	180150	16.50	ppb	98
62) Dibenzofuran	7.797	168	133311	8.53	ppb	91
66) Fluorene	8.326	166	190666	15.37	ppb	99
77) Phenanthrene	9.802	178	2962945	177.64	ppb	98
78) Anthracene	9.861	178	644187	39.48	ppb	92
79) Carbazole	10.177	167	384529	24.44	ppb	99
81) Fluoranthene	11.632	202	4806392	286.46	ppb	97
84) Pyrene	11.910	202	4289952	258.66	ppb	95
88) Benzo[a]anthracene	13.338	228	2135540	156.00	ppb	95
90) Chrysene	13.381	228	2062615	143.82	ppb	97
94) Benzo[b]fluoranthene	14.408	252	2665776	182.58	ppb	99
95) Benzo[k]fluoranthene	14.424	252	895264	55.62	ppb	95
96) Benzo[a]pyrene	14.680	252	1969549	150.84	ppb	99
97) Indeno[1,2,3-cd]pyrene	15.557	276	1291979	85.60	ppb	97
99) Dibenzo[a,h]anthracene	15.563	278	477355m	37.88	ppb	
101) Benzo[g,h,i]perylene	15.755	276	1170527	95.34	ppb	96

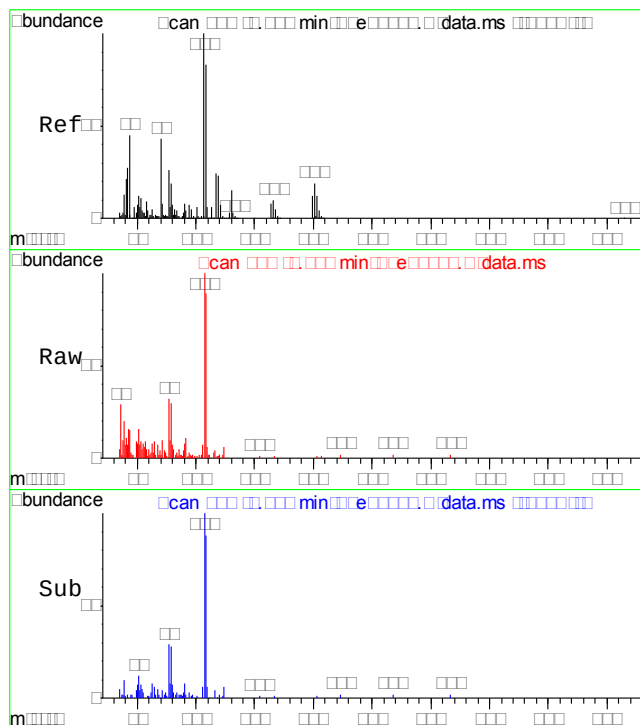
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
Data File : 3e30159.D
Acq On : 13 Oct 2010 6:41 pm
Operator : olgaa
Sample : ja58043-3
Misc : op46062,e3e1334,35.1
ALS Vial : 23 Sample Multiplier: 1

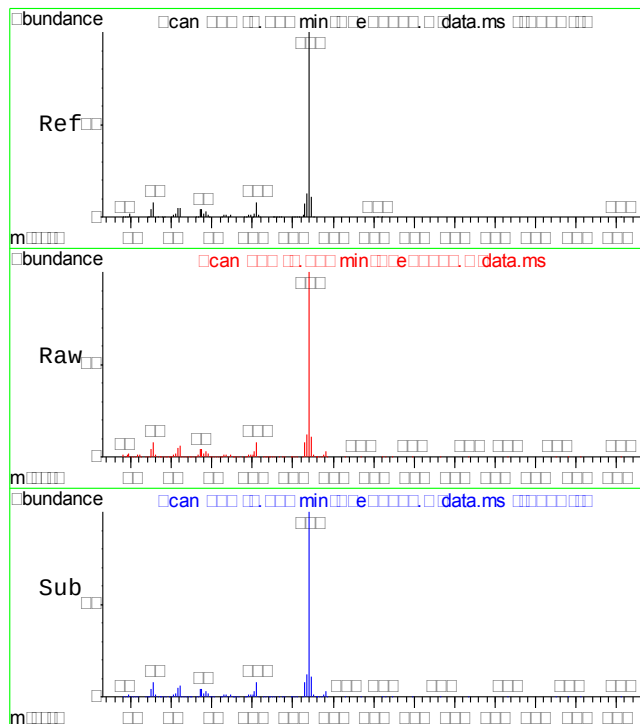
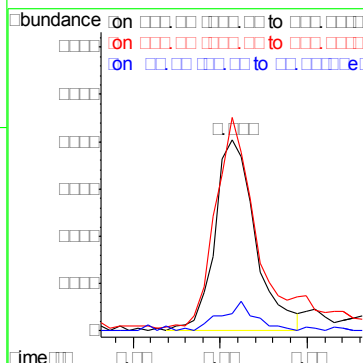
Quant Time: Oct 14 17:02:32 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration





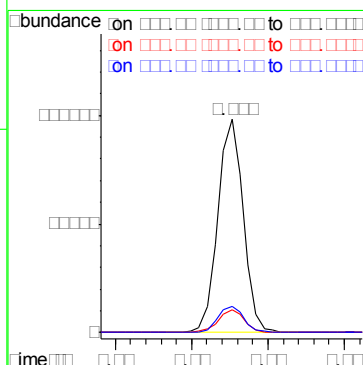
#21
3&4-Methylphenol
Concen: 1.06 ppb
RT: 3.807 min Scan# 603
Delta R.T. -0.000 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

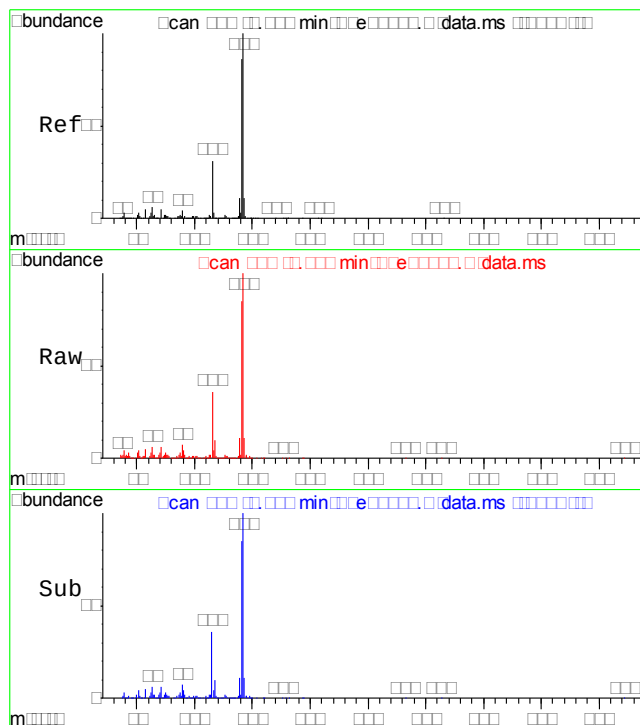
Tgt Ion	Ratio	Lower	Upper
108	100		
107	106.7	91.0	151.0
90	8.0	0.0	39.4



#38
Naphthalene
Concen: 6.14 ppb
RT: 4.876 min Scan# 803
Delta R.T. -0.006 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

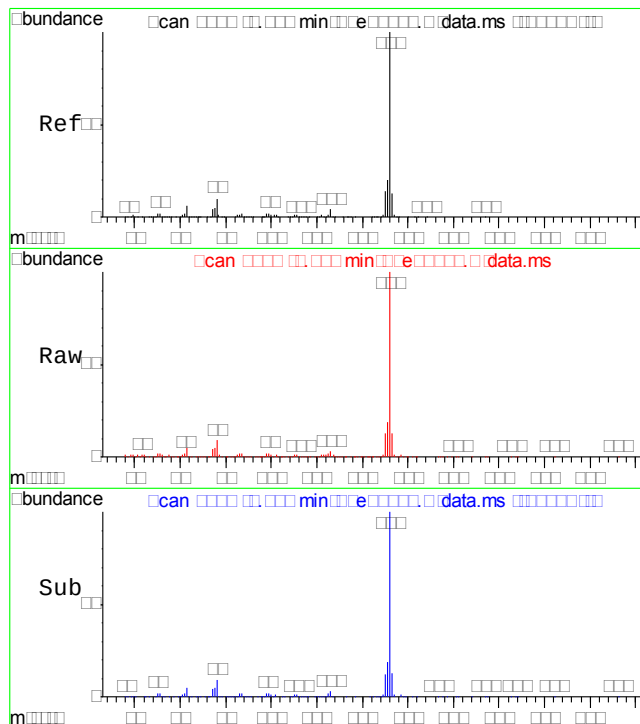
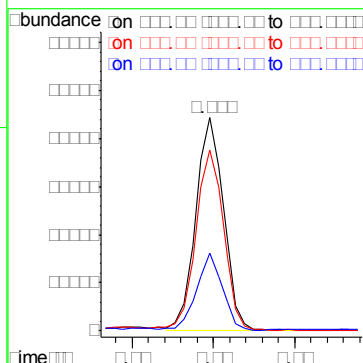
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	41.0
127	12.0	0.0	42.9





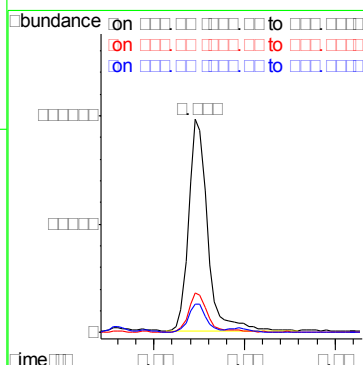
#44
2-Methylnaphthalene
Concen: 4.24 ppb
RT: 5.898 min Scan# 994
Delta R.T. -0.006 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

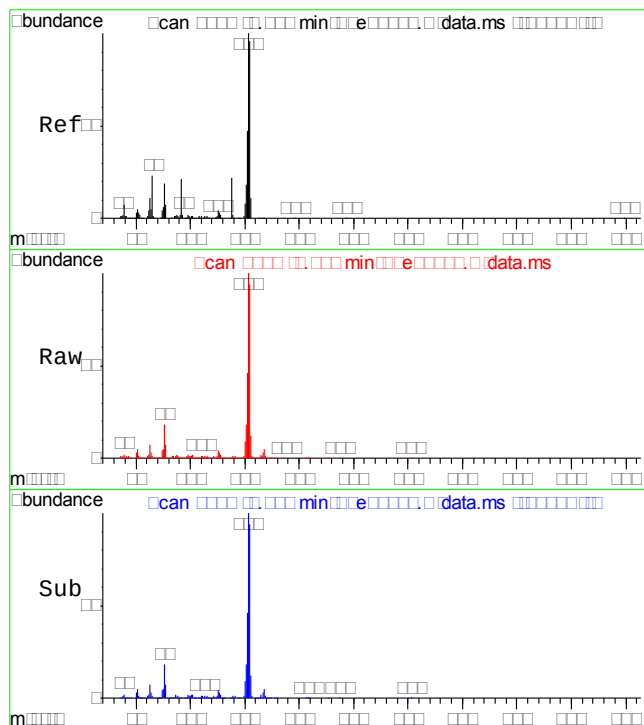
Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	56.0	116.0
115	35.6	1.3	61.3



#56
Acenaphthylene
Concen: 8.40 ppb
RT: 7.246 min Scan# 1246
Delta R.T. -0.006 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

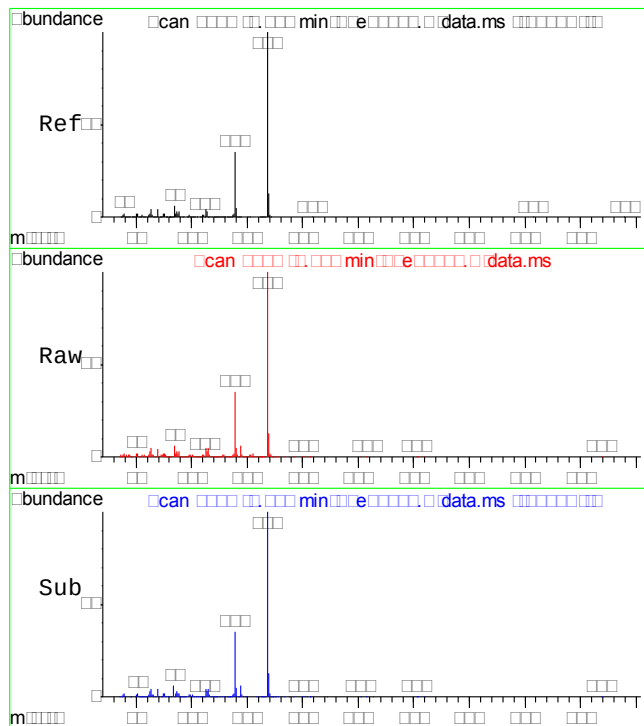
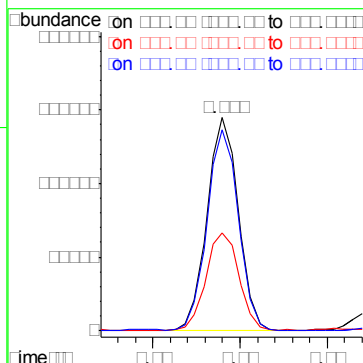
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	0.0	50.1
153	13.0	0.0	43.4





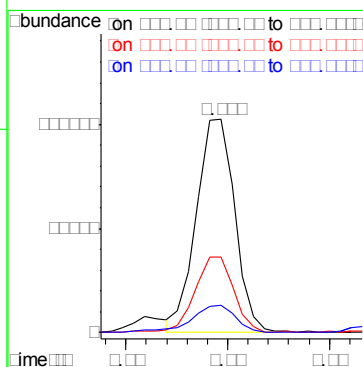
#59
Acenaphthene
Concen: 16.50 ppb
RT: 7.540 min Scan# 1301
Delta R.T. -0.006 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

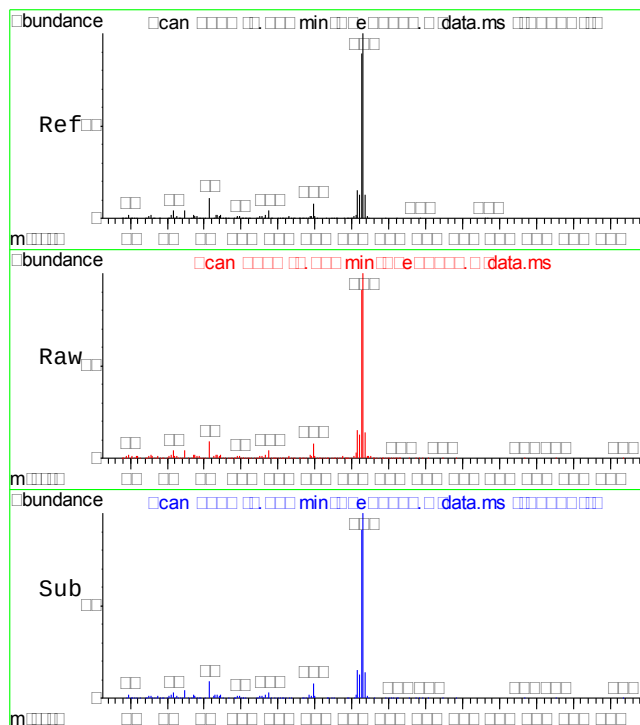
Tgt Ion:	153	Resp:	180150
Ion Ratio	Lower	Upper	
153	100		
152	45.6	17.3	77.3
154	94.3	66.2	126.2



#62
Dibenzofuran
Concen: 8.53 ppb
RT: 7.797 min Scan# 1349
Delta R.T. -0.006 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

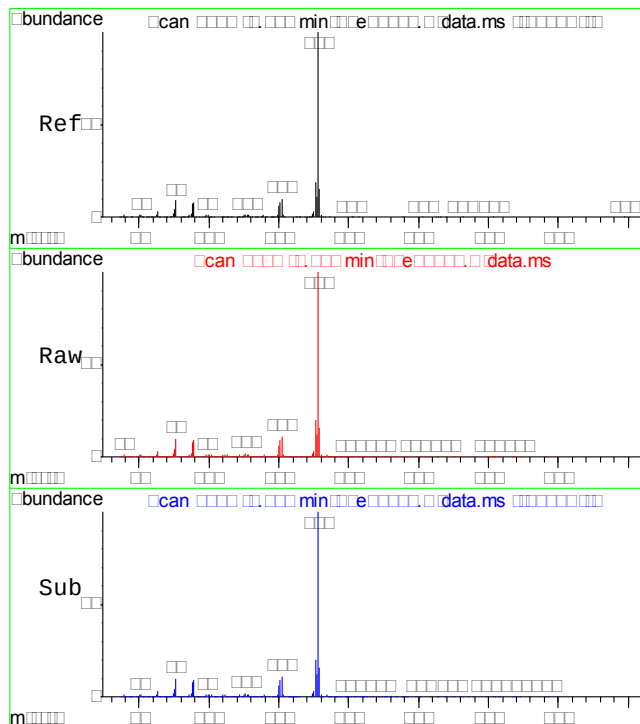
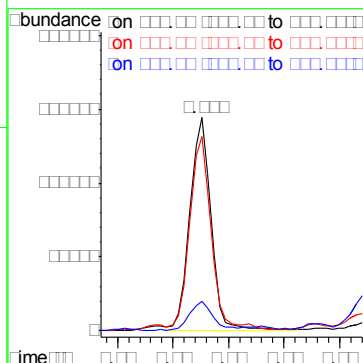
Tgt Ion:	168	Resp:	133311
Ion Ratio	Lower	Upper	
168	100		
139	35.5	0.0	59.3
169	12.4	0.0	43.5





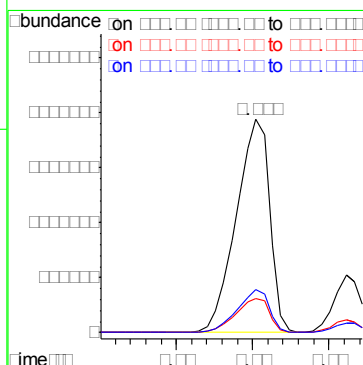
#66
Fluorene
Concen: 15.37 ppb
RT: 8.326 min Scan# 1448
Delta R.T. -0.000 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

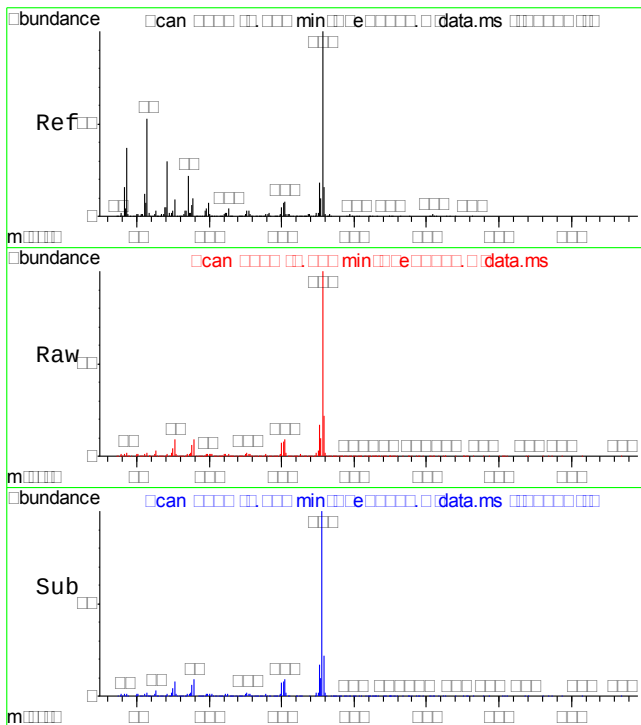
Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.5	59.4	119.4
167	13.3	0.0	43.2



#77
Phenanthrene
Concen: 177.64 ppb
RT: 9.802 min Scan# 1724
Delta R.T. 0.011 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

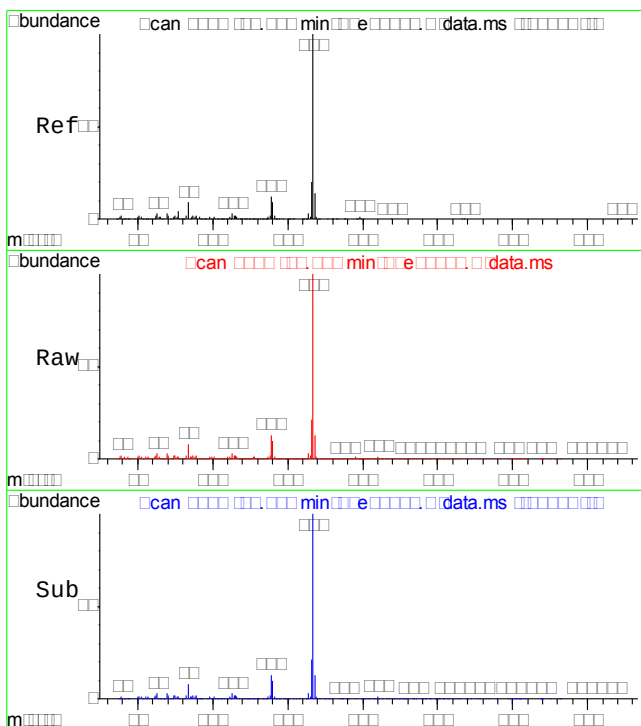
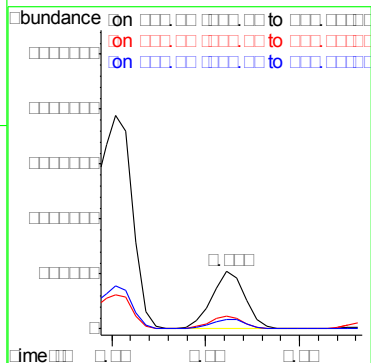
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	0.0	45.3
176	20.2	0.0	48.8





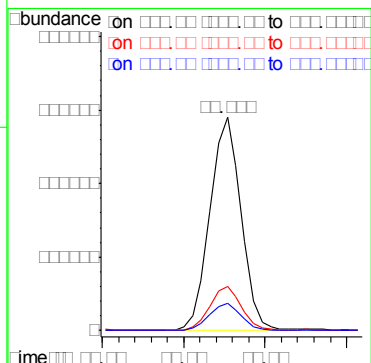
#78
Anthracene
Concen: 39.48 ppb
RT: 9.861 min Scan# 1735
Delta R.T. -0.000 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.7	0.0	45.6
176	17.2	0.0	47.9

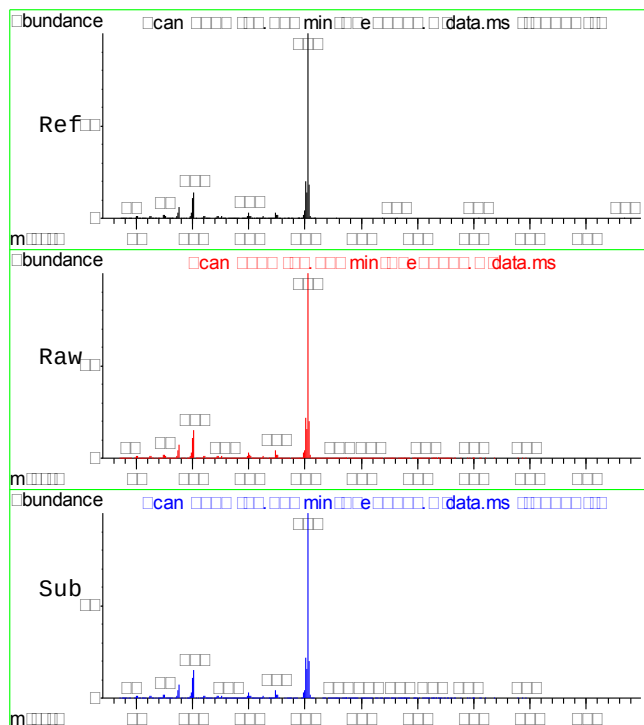


#79
Carbazole
Concen: 24.44 ppb
RT: 10.177 min Scan# 1794
Delta R.T. -0.000 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	0.0	50.5
139	12.7	0.0	42.4

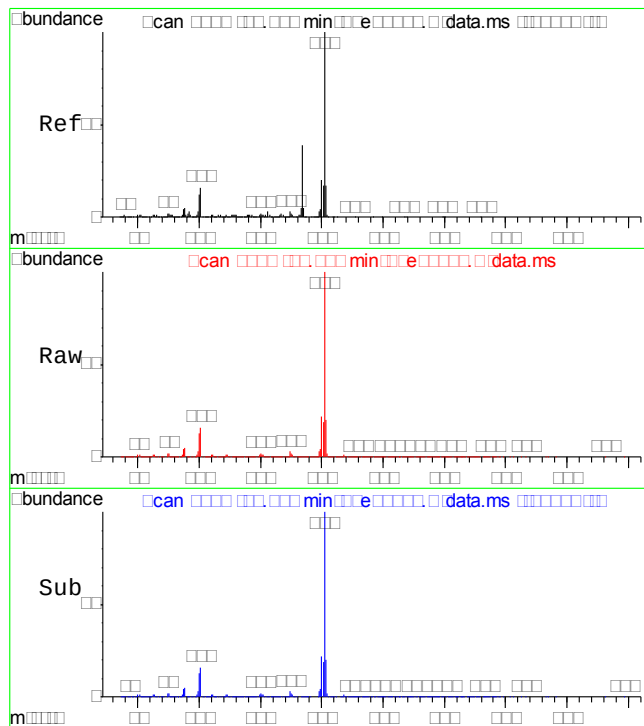
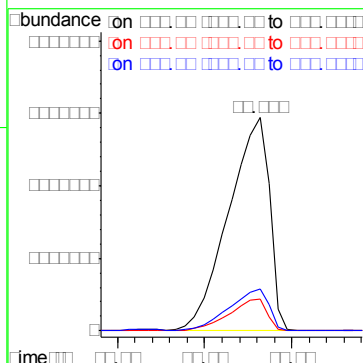


8.1.3
8



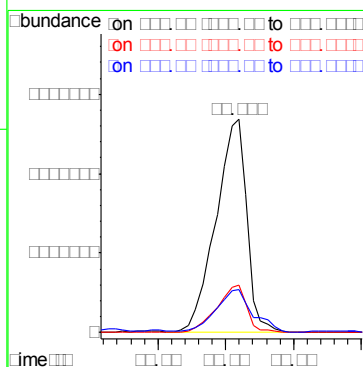
#81
 Fluoranthene
 Concen: 286.46 ppb
 RT: 11.632 min Scan# 2066
 Delta R.T. 0.032 min
 Lab File: 3e30159.D
 Acq: 13 Oct 2010 6:41 pm

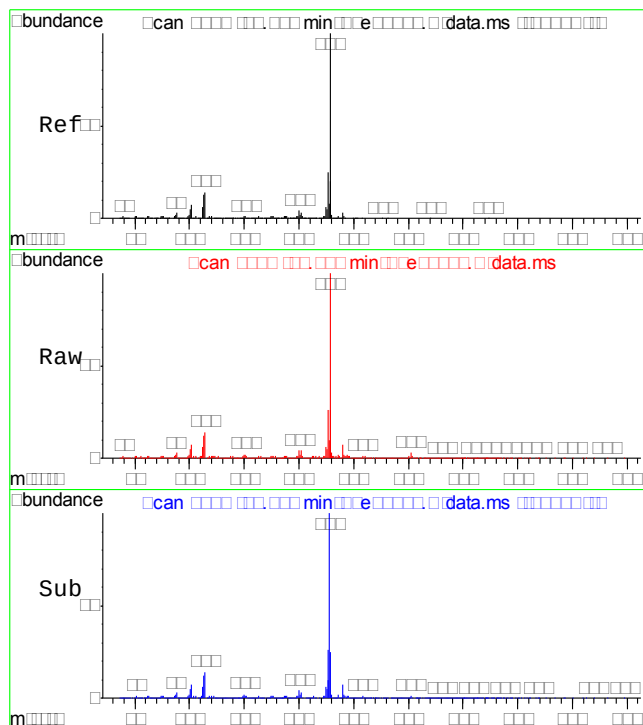
Tgt Ion:	202	Resp:	4806392
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	43.6
203	19.5	0.0	47.7



#84
 Pyrene
 Concen: 258.66 ppb
 RT: 11.910 min Scan# 2118
 Delta R.T. 0.027 min
 Lab File: 3e30159.D
 Acq: 13 Oct 2010 6:41 pm

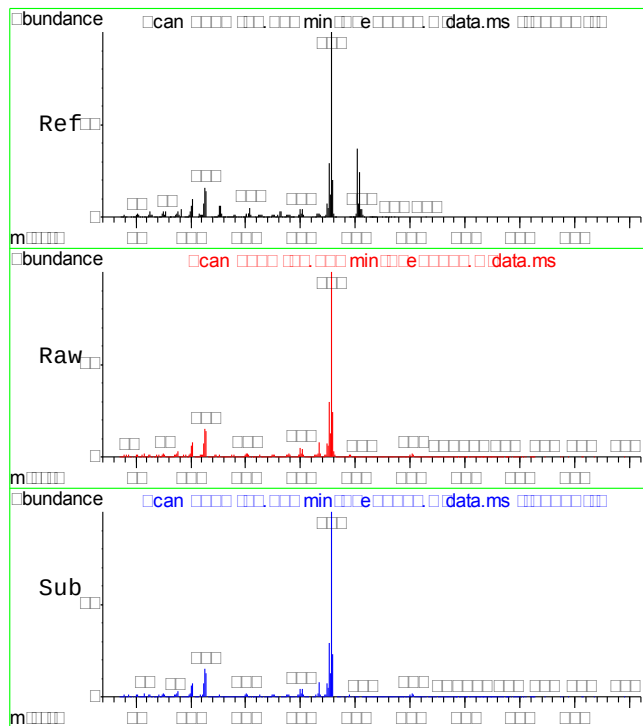
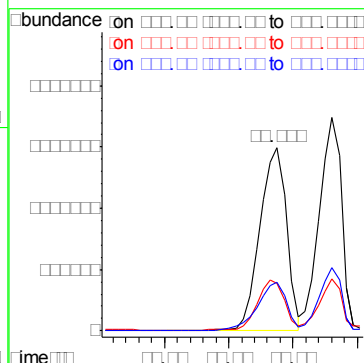
Tgt Ion:	202	Resp:	4289952
Ion Ratio	Lower	Upper	
202	100		
200	22.1	0.0	50.1
203	19.7	0.0	47.5





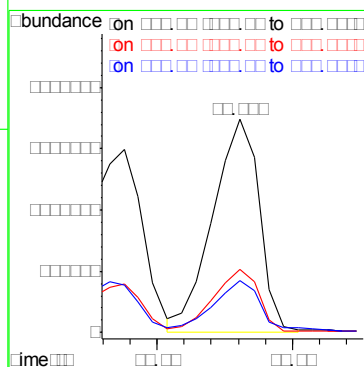
#88
Benzo[a]anthracene
Concen: 156.00 ppb
RT: 13.338 min Scan# 2385
Delta R.T. 0.021 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

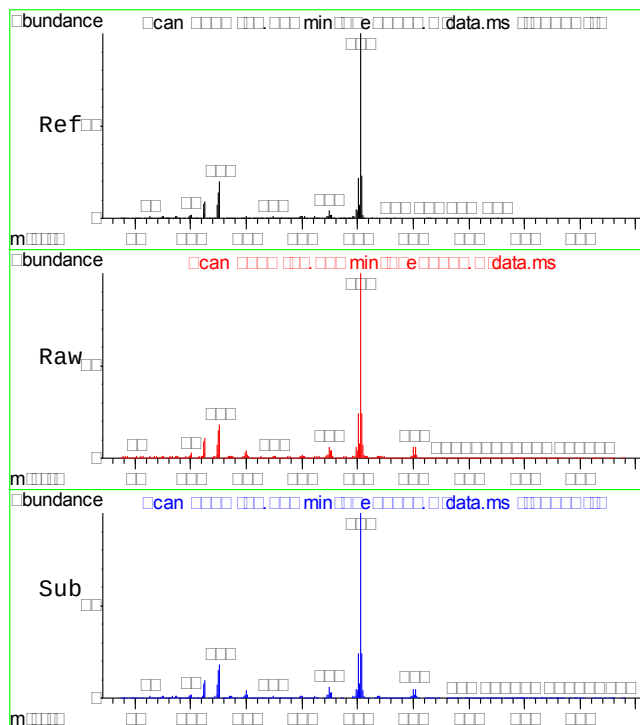
Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.1	0.0	50.4
226	26.3	0.0	55.5



#90
Chrysene
Concen: 143.82 ppb
RT: 13.381 min Scan# 2393
Delta R.T. 0.021 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

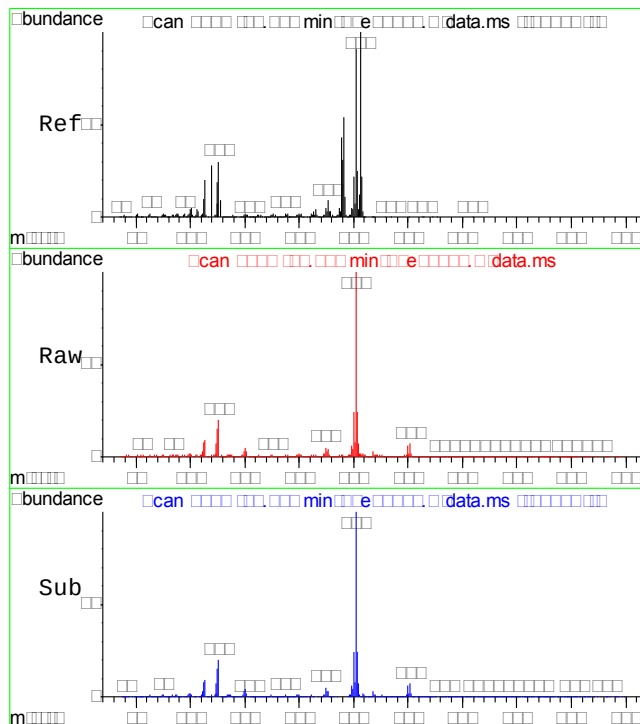
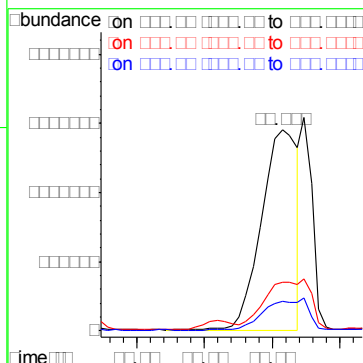
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	0.0	59.2
229	22.8	0.0	49.9





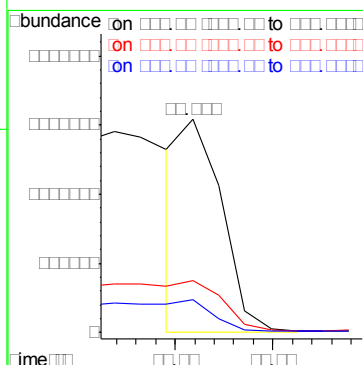
#94
Benzo[b]fluoranthene
Concen: 182.58 ppb
RT: 14.408 min Scan# 2585
Delta R.T. 0.033 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

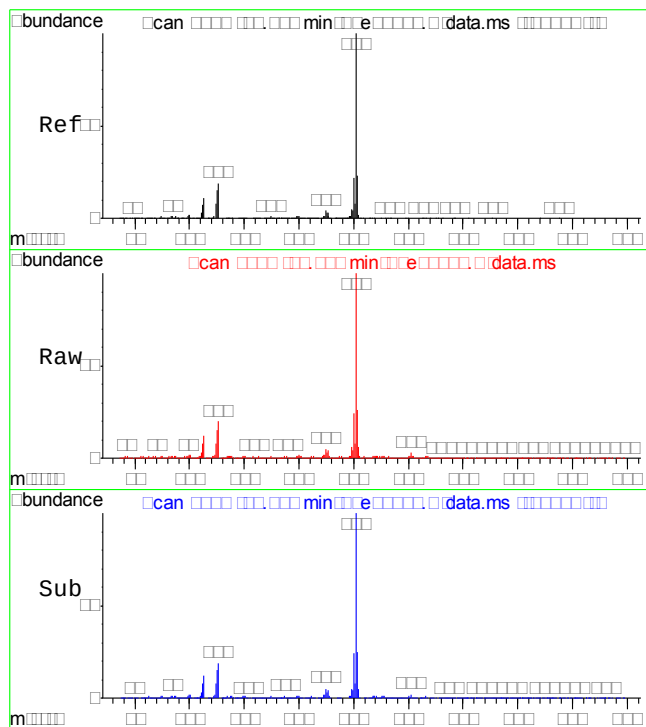
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	0.0	53.1
125	13.8	0.0	45.0



#95
Benzo[k]fluoranthene
Concen: 55.62 ppb
RT: 14.424 min Scan# 2588
Delta R.T. 0.021 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

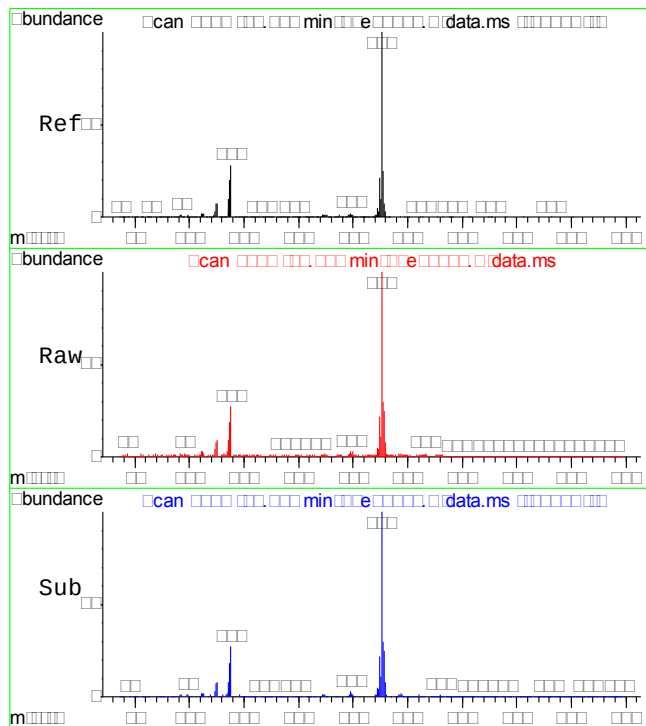
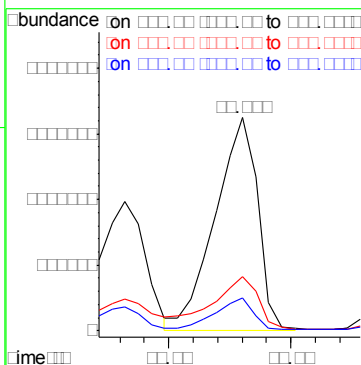
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	55.1
125	14.7	0.0	48.0





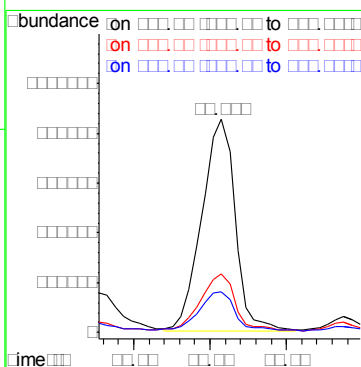
#96
Benzo[a]pyrene
Concen: 150.84 ppb
RT: 14.680 min Scan# 2636
Delta R.T. 0.032 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

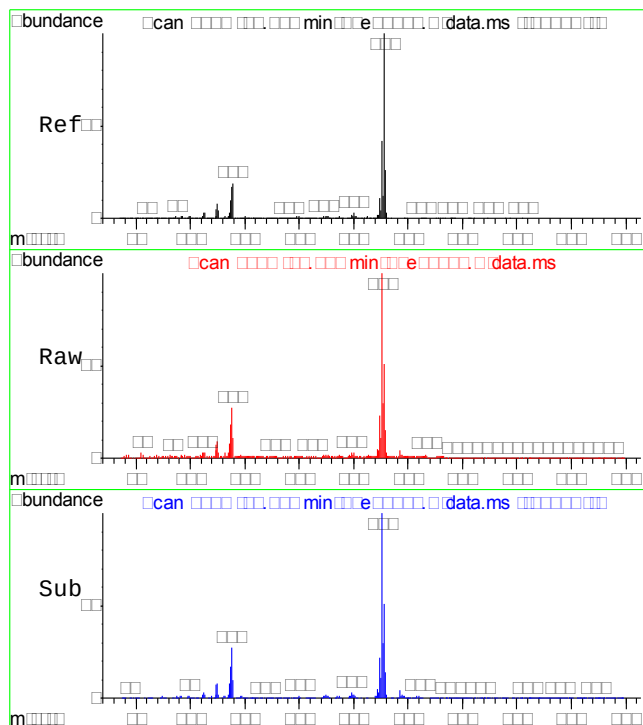
Tgt Ion:	252	Resp:	1969549
Ion Ratio	Lower	Upper	
252	100		
253	22.6	0.0	52.9
125	15.0	0.0	45.3



#97
Indeno[1,2,3-cd]pyrene
Concen: 85.60 ppb
RT: 15.557 min Scan# 2800
Delta R.T. 0.032 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

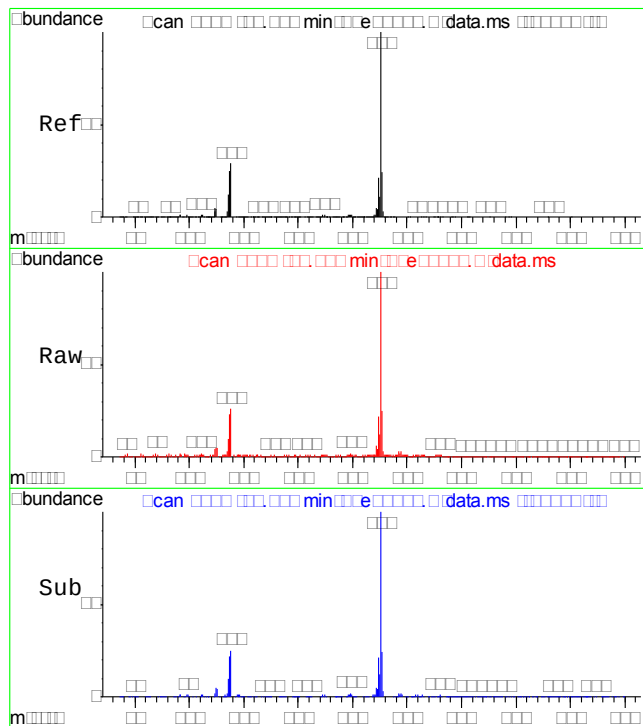
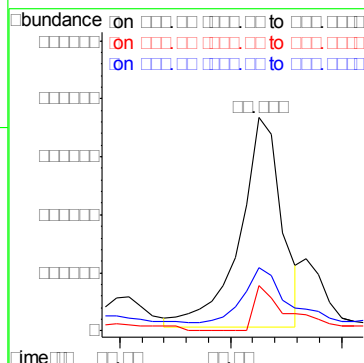
Tgt Ion:	276	Resp:	1291979
Ion Ratio	Lower	Upper	
276	100		
138	26.5	0.0	57.8
137	17.9	0.0	49.9





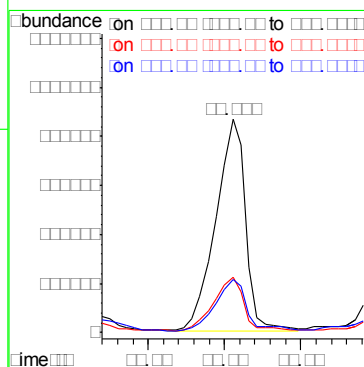
#99
Dibenz[a,h]anthracene
Concen: 37.88 ppb m
RT: 15.563 min Scan# 2801
Delta R.T. 0.017 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	0.0	49.3
279	29.4	0.0	56.1



#101
Benzo[g,h,i]perylene
Concen: 95.34 ppb
RT: 15.755 min Scan# 2837
Delta R.T. 0.037 min
Lab File: 3e30159.D
Acq: 13 Oct 2010 6:41 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	0.0	58.8
277	24.1	0.0	53.6



Manual Integration Approval Summary

Sample Number: JA58043-3

Method: SW846 8270C

Lab FileID: 3E30159.D

Analyst approved: 10/14/10 17:23 Olga Azarihn

Injection Time: 10/13/10 18:41

Supervisor approved: 10/19/10 15:44 Wendy Sherwood

Parameter	CAS	Sig#	R.T. (min.)	Reason
Dibenzo(a,h)anthracene	53-70-3		15.56	Overlapping peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30157.D
 Acq On : 13 Oct 2010 5:53 pm
 Operator : olgaa
 Sample : ja58043-4
 Misc : op46062,e3e1334,35.2,,,1,10
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 14 16:58:06 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	198789	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	782957	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	497875	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	787620	40.00	ppb	0.00
83) Chrysene-d12	13.332	240	688186	40.00	ppb	0.00
92) Perylene-d12	14.702	264	573777	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	198789	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	497875	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	787620	40.00	ppb	0.00
109) Chrysene-d12a	13.332	240	688186	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.009	112	48796	7.35	ppb	0.00
Spiked Amount 50.000			Recovery =	14.70%		
8) Phenol-d5	2.897	99	62179	7.07	ppb	0.00
Spiked Amount 50.000			Recovery =	14.14%		
25) Nitrobenzene-d5	3.919	82	53728	7.00	ppb	0.00
Spiked Amount 50.000			Recovery =	14.00%		
51) 2-Fluorobiphenyl	6.529	172	127865	7.42	ppb	0.00
Spiked Amount 50.000			Recovery =	14.84%		
73) 2,4,6-Tribromophenol	8.733	330	12894	8.31	ppb	0.00
Spiked Amount 50.000			Recovery =	16.62%		
85) Terphenyl-d14	12.193	244	114535	8.83	ppb	0.00
Spiked Amount 50.000			Recovery =	17.66%		

Target Compounds

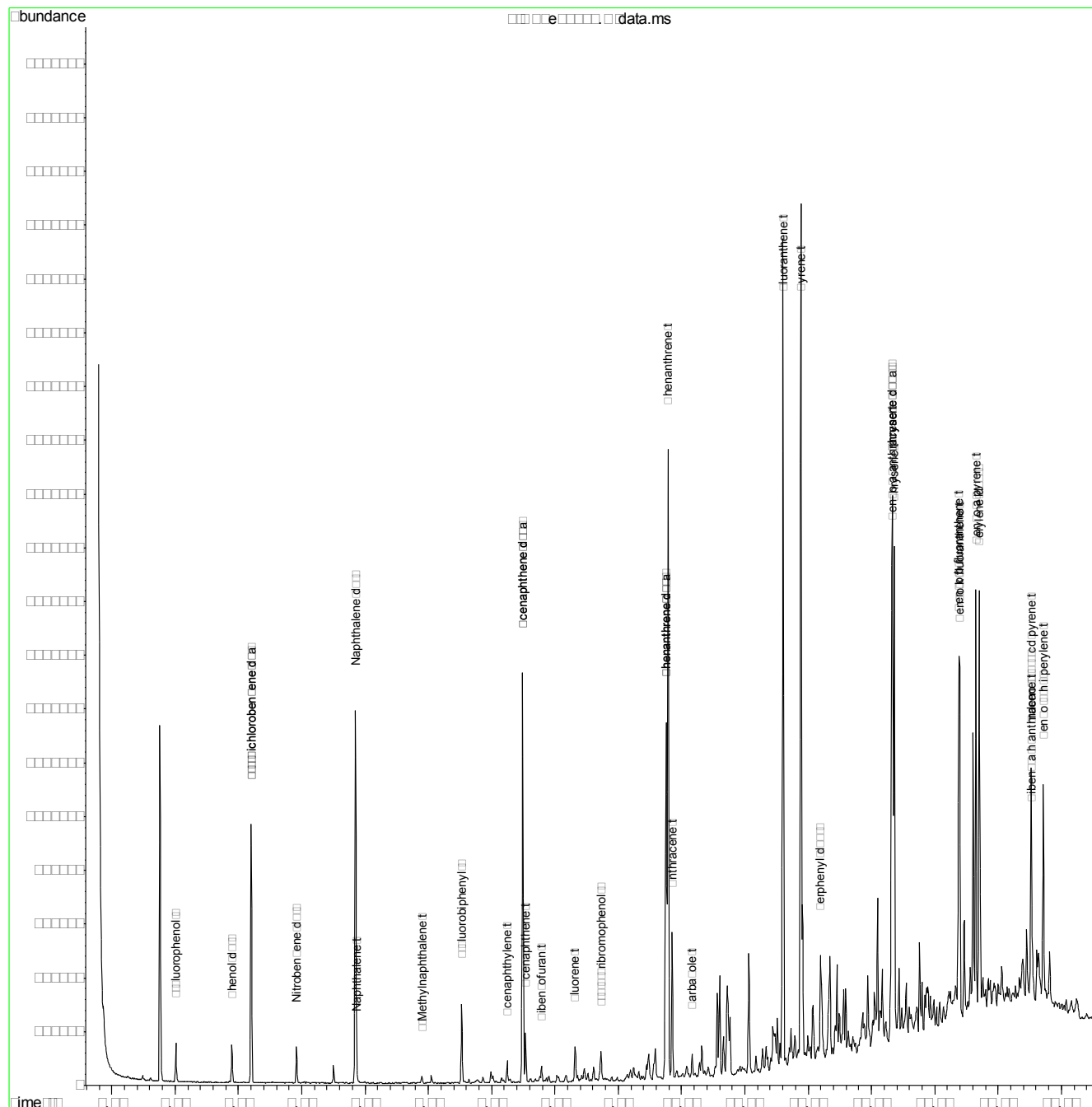
						Qvalue
38) Naphthalene	4.871	128	18449	0.81	ppb	99
44) 2-Methylnaphthalene	5.898	142	8216	0.53	ppb	92
56) Acenaphthylene	7.246	152	52832	2.33	ppb	99
59) Acenaphthene	7.535	153	58805	4.08	ppb	98
62) Dibenzofuran	7.791	168	31174	1.51	ppb	90
66) Fluorene	8.321	166	55327	3.38	ppb	97
77) Phenanthrene	9.786	178	1281745	56.82	ppb	100
78) Anthracene	9.851	178	300598	13.62	ppb	98
79) Carbazole	10.166	167	55084	2.59	ppb	98
81) Fluoranthene	11.605	202	1742728	76.80	ppb	100
84) Pyrene	11.888	202	1855577	84.66	ppb	98
88) Benzo[a]anthracene	13.316	228	715389	39.54	ppb	99
90) Chrysene	13.359	228	685435	36.16	ppb	97
94) Benzo[b]fluoranthene	14.381	252	573920	33.40	ppb	96
95) Benzo[k]fluoranthene	14.392	252	403805	20.27	ppb	95
96) Benzo[a]pyrene	14.648	252	591177	36.93	ppb	98
97) Indeno[1,2,3-cd]pyrene	15.525	276	375739	20.11	ppb	91
99) Dibenz[a,h]anthracene	15.536	278	102959m	6.97	ppb	
101) Benzo[g,h,i]perylene	15.718	276	376503	24.79	ppb	94

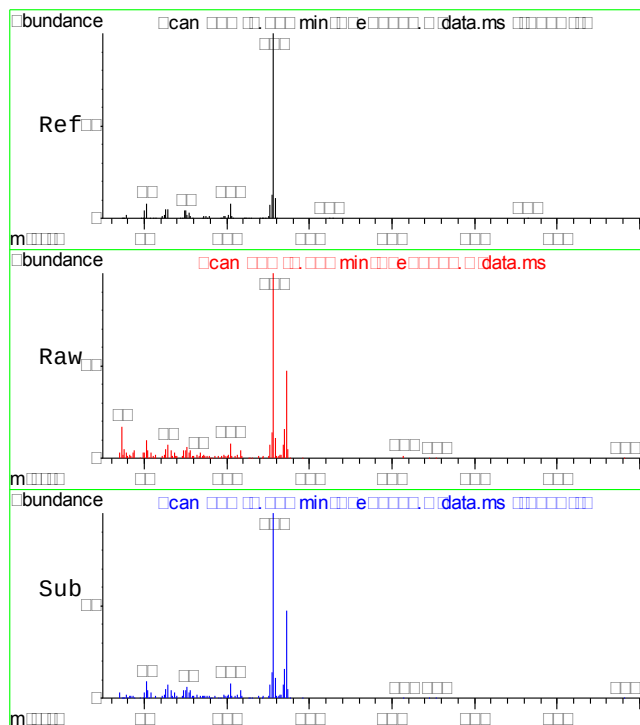
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
Data File : 3e30157.D
Acq On : 13 Oct 2010 5:53 pm
Operator : olgaa
Sample : ja58043-4
Misc : op46062,e3e1334,35.2,,,1,10
ALS Vial : 21 Sample Multiplier: 1

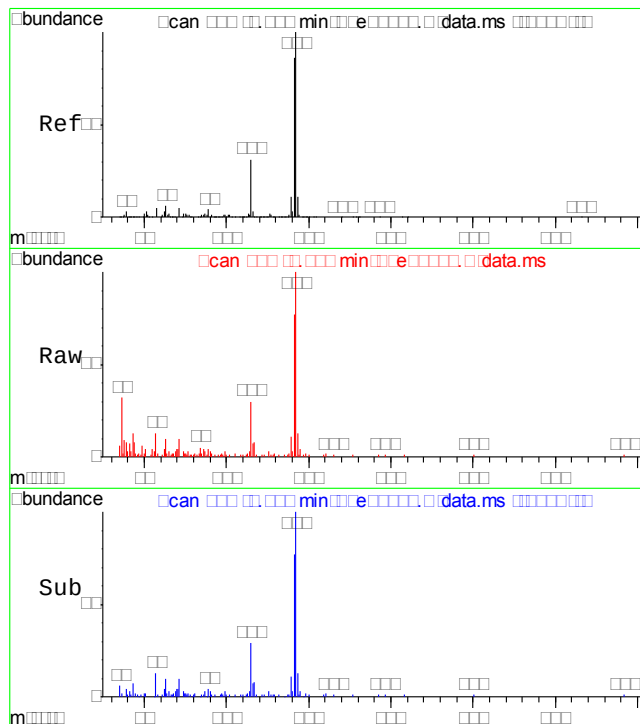
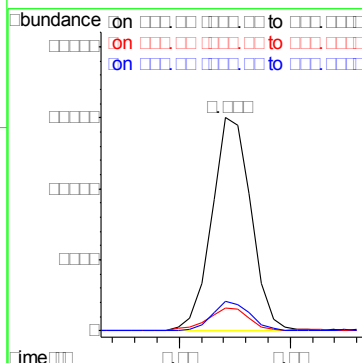
Quant Time: Oct 14 16:58:06 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration





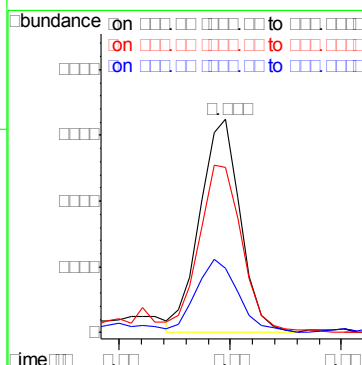
#38
Naphthalene
Concen: 0.81 ppb
RT: 4.871 min Scan# 802
Delta R.T. -0.011 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

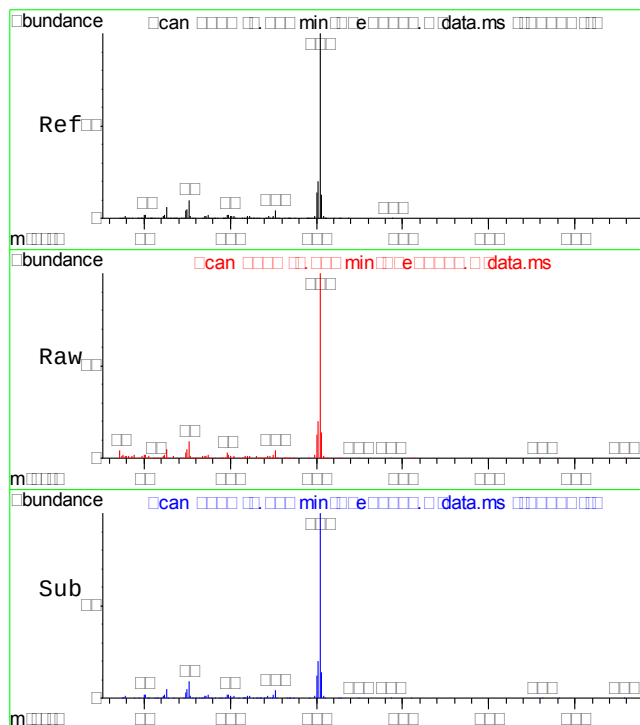
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	0.0	41.0
127	13.5	0.0	42.9



#44
2-Methylnaphthalene
Concen: 0.53 ppb
RT: 5.898 min Scan# 994
Delta R.T. -0.005 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.5	56.0	116.0
115	30.1	1.3	61.3





#56

Acenaphthylene

Concen: 2.33 ppb

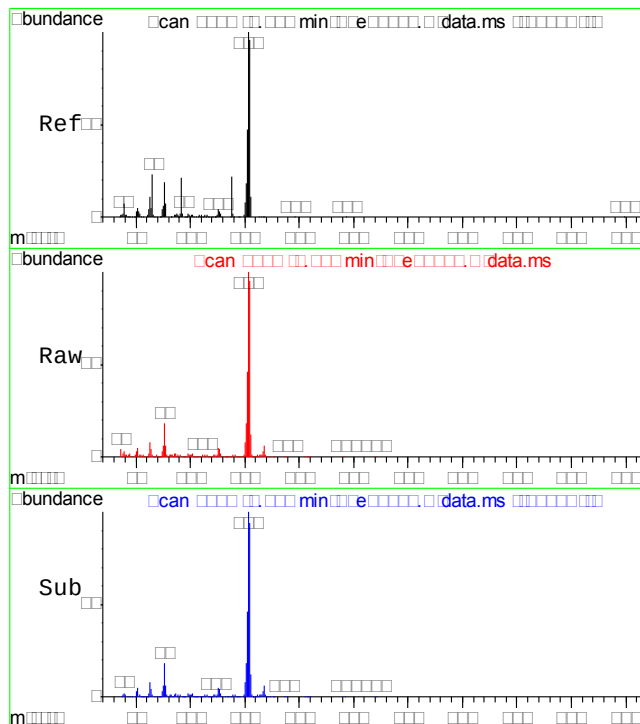
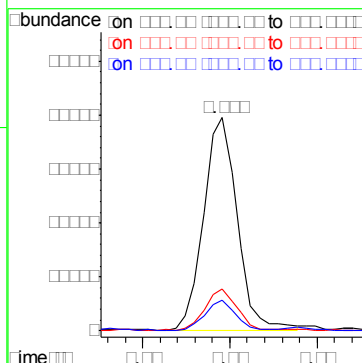
RT: 7.246 min Scan# 1246

Delta R.T. -0.005 min

Lab File: 3e30157.D

Acq: 13 Oct 2010 5:53 pm

Tgt Ion:	152	Resp:	52832
Ion Ratio	Lower	Upper	
152	100		
151	19.4	0.0	50.1
153	13.4	0.0	43.4



#59

Acenaphthene

Concen: 4.08 ppb

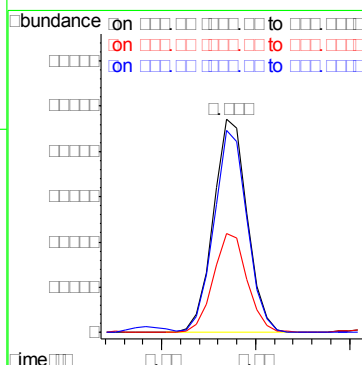
RT: 7.535 min Scan# 1300

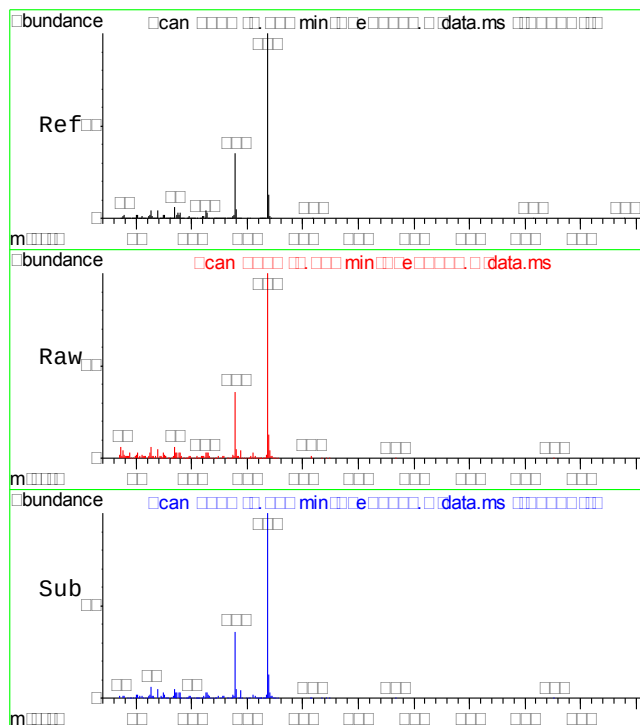
Delta R.T. -0.011 min

Lab File: 3e30157.D

Acq: 13 Oct 2010 5:53 pm

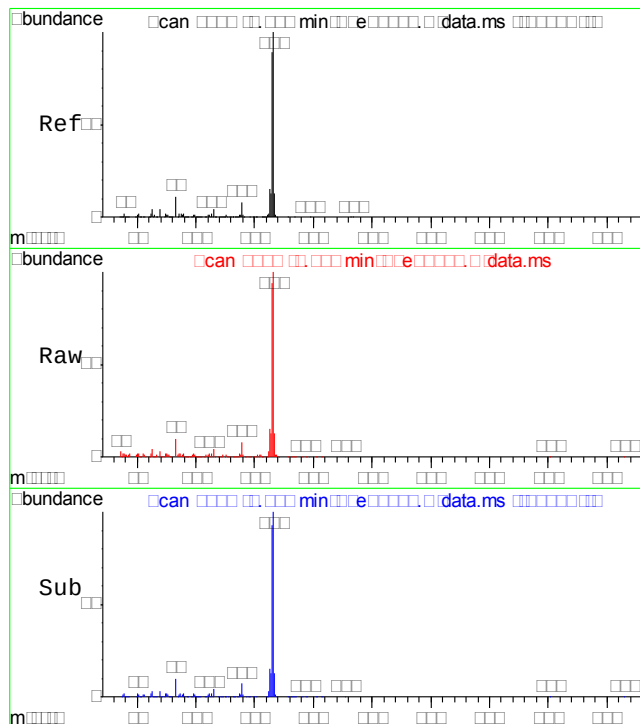
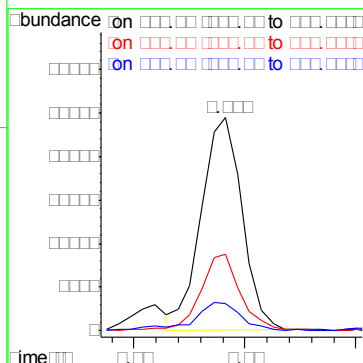
Tgt Ion:	153	Resp:	58805
Ion Ratio	Lower	Upper	
153	100		
152	46.1	17.3	77.3
154	93.6	66.2	126.2





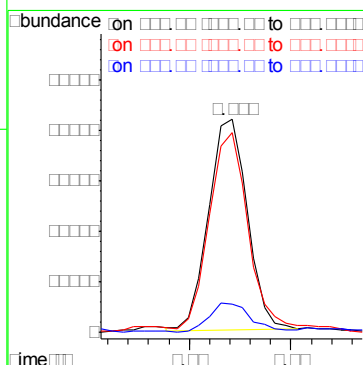
#62
Dibenzofuran
Concen: 1.51 ppb
RT: 7.791 min Scan# 1348
Delta R.T. -0.011 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

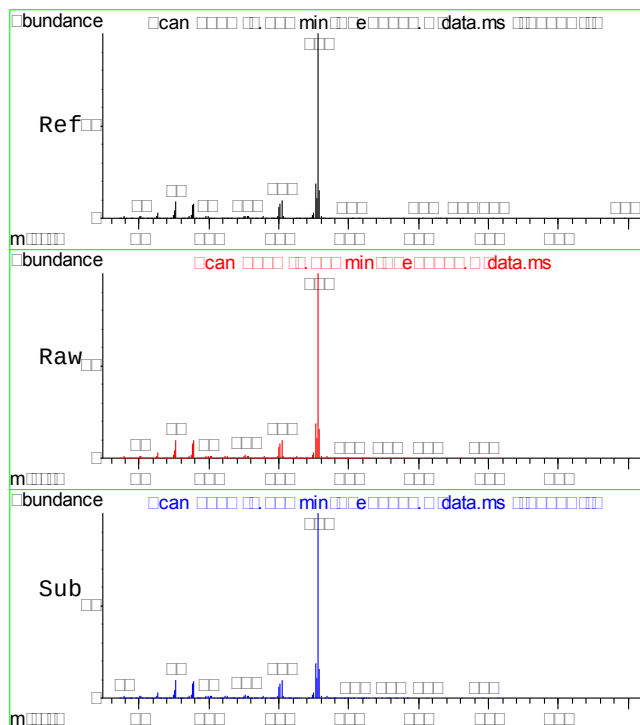
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.4	0.0	59.3
169	12.3	0.0	43.5



#66
Fluorene
Concen: 3.38 ppb
RT: 8.321 min Scan# 1447
Delta R.T. -0.005 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

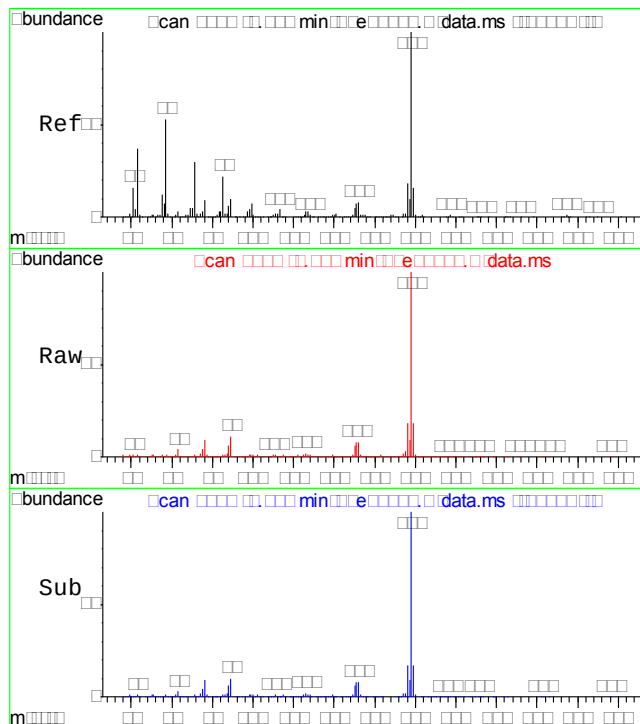
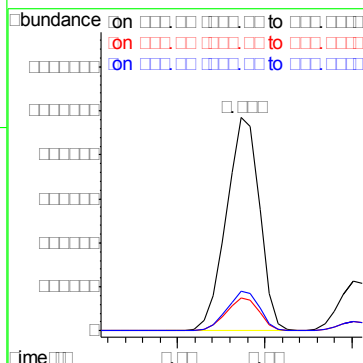
Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.6	59.4	119.4
167	12.8	0.0	43.2





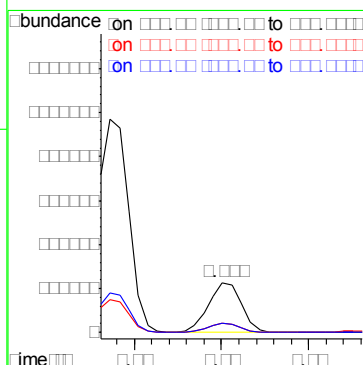
#77
Phenanthrene
Concen: 56.82 ppb
RT: 9.786 min Scan# 1721
Delta R.T. -0.005 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

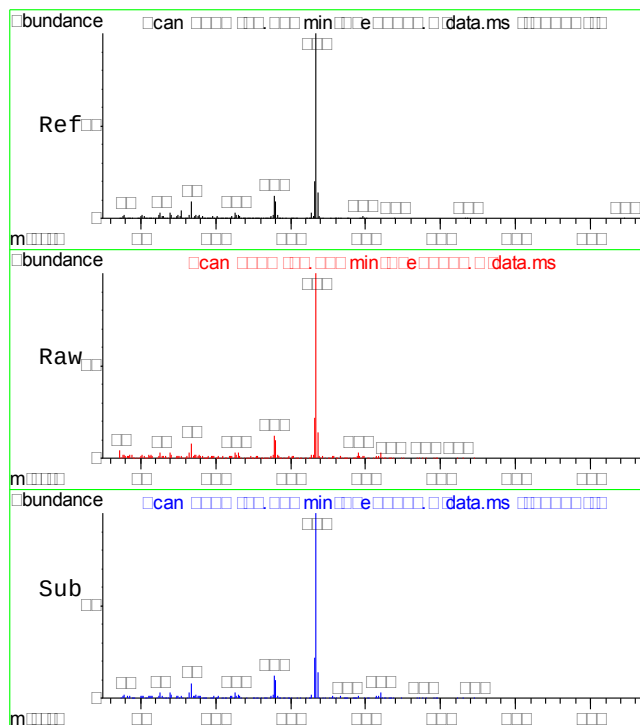
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.3
176	18.8	0.0	48.8



#78
Anthracene
Concen: 13.62 ppb
RT: 9.851 min Scan# 1733
Delta R.T. -0.011 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

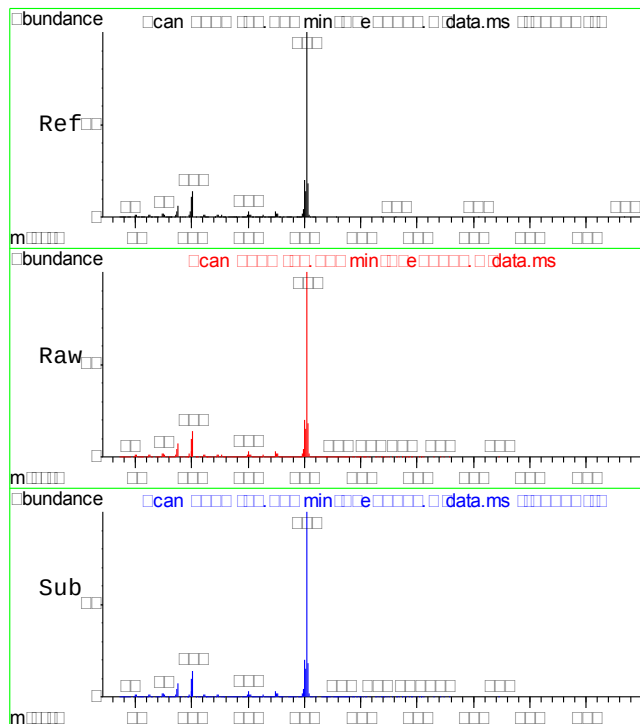
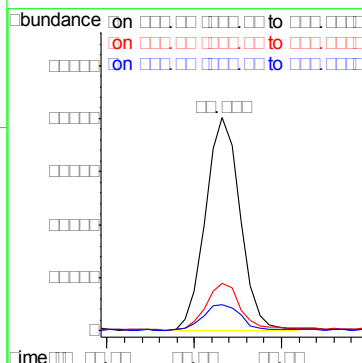
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	0.0	45.6
176	17.5	0.0	47.9





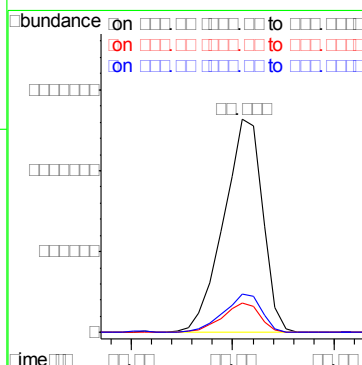
#79
Carbazole
Concen: 2.59 ppb
RT: 10.166 min Scan# 1792
Delta R.T. -0.011 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

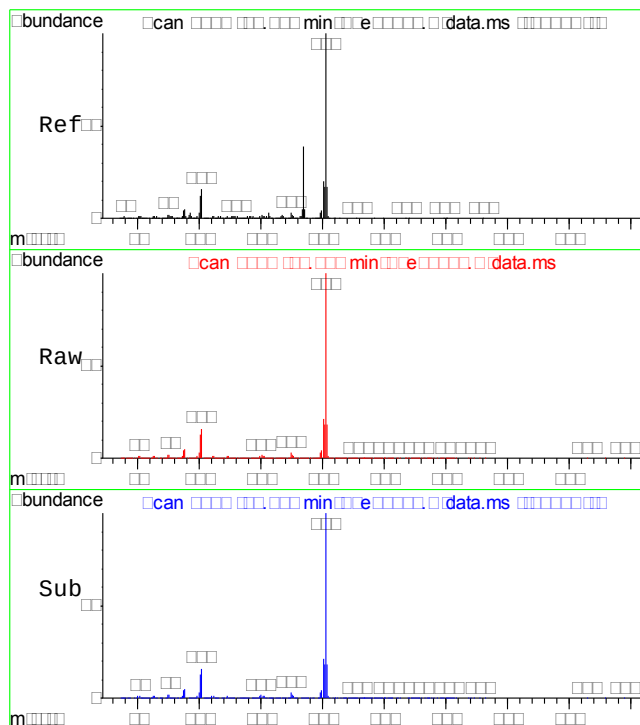
Tgt Ion:	167	Resp:	55084
Ion Ratio	Lower	Upper	
167	100		
166	21.7	0.0	50.5
139	11.9	0.0	42.4



#81
Fluoranthene
Concen: 76.80 ppb
RT: 11.605 min Scan# 2061
Delta R.T. 0.005 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

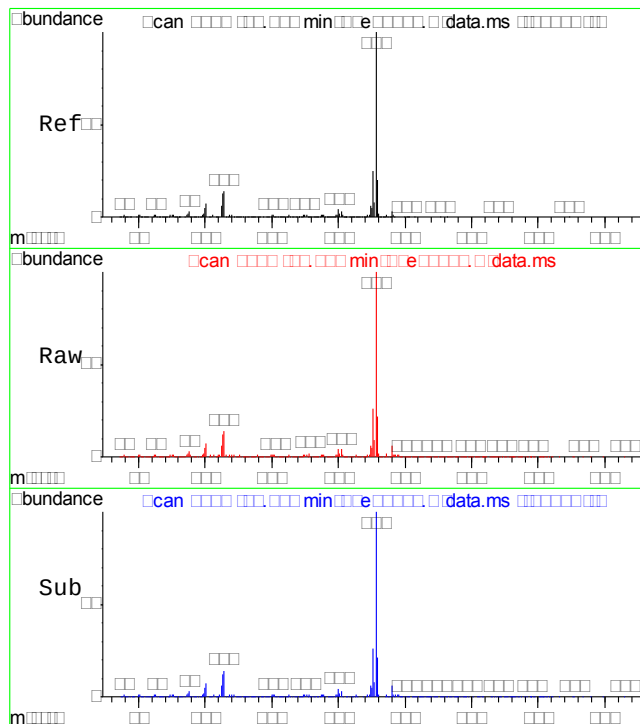
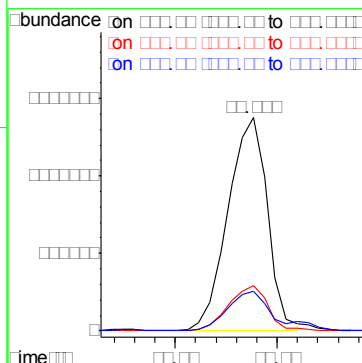
Tgt Ion:	202	Resp:	1742728
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	43.6
203	18.0	0.0	47.7





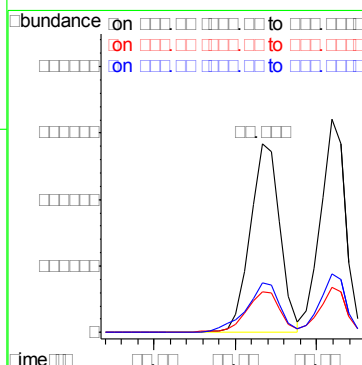
#84
Pyrene
Concen: 84.66 ppb
RT: 11.888 min Scan# 2114
Delta R.T. 0.005 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

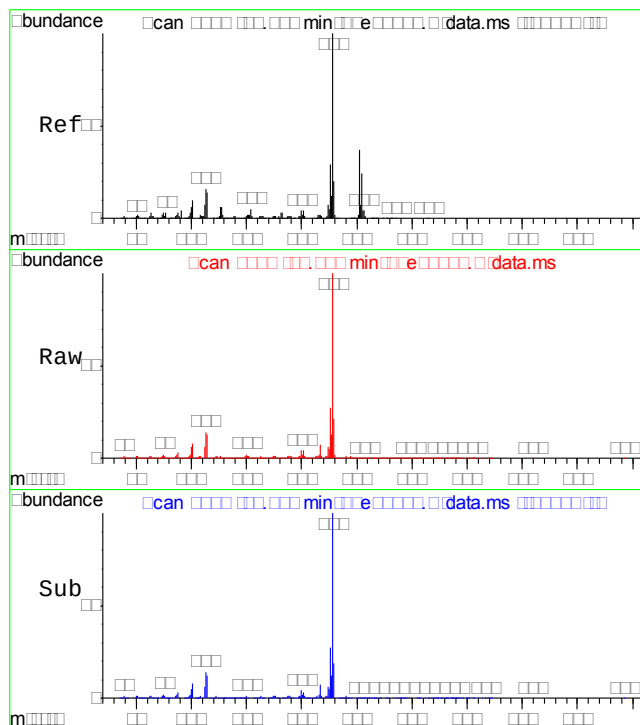
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	50.1
203	16.3	0.0	47.5



#88
Benzo[a]anthracene
Concen: 39.54 ppb
RT: 13.316 min Scan# 2381
Delta R.T. -0.000 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

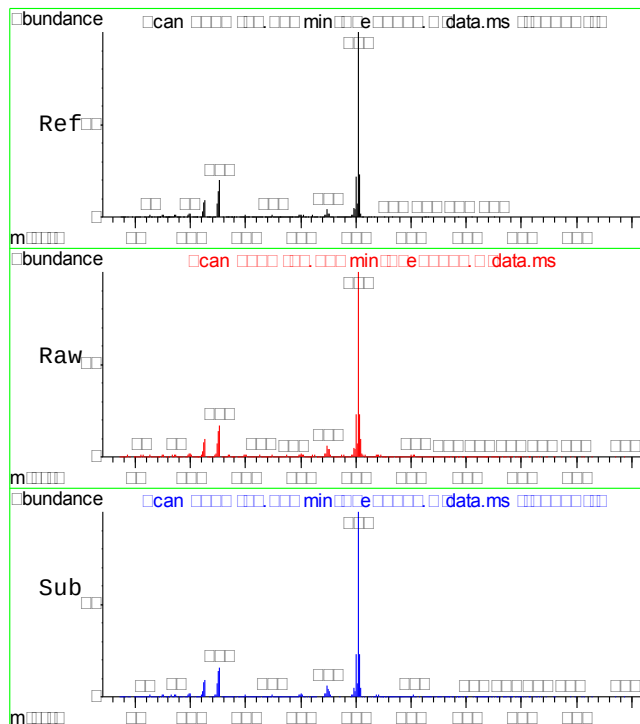
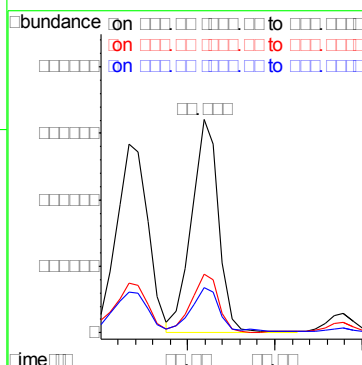
Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	0.0	50.4
226	26.1	0.0	55.5





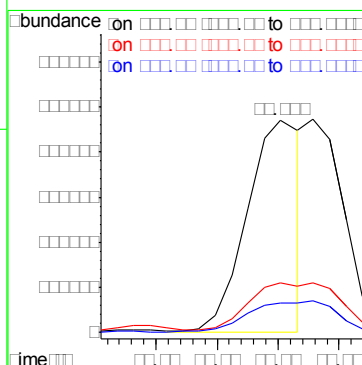
#90
Chrysene
Concen: 36.16 ppb
RT: 13.359 min Scan# 2389
Delta R.T. -0.000 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

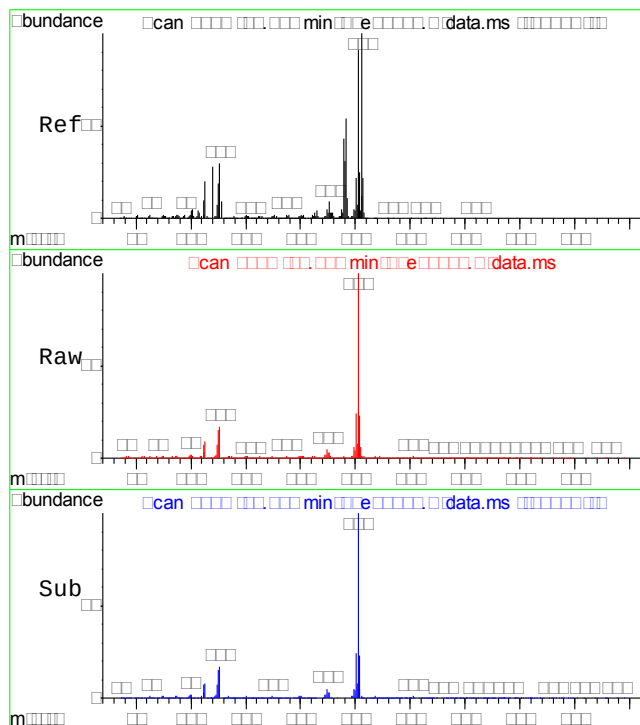
Tgt Ion:	228	Resp:	685435
Ion Ratio	Lower	Upper	
228	100		
226	27.1	0.0	59.2
229	20.5	0.0	49.9



#94
Benzo[b]fluoranthene
Concen: 33.40 ppb
RT: 14.381 min Scan# 2580
Delta R.T. 0.006 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

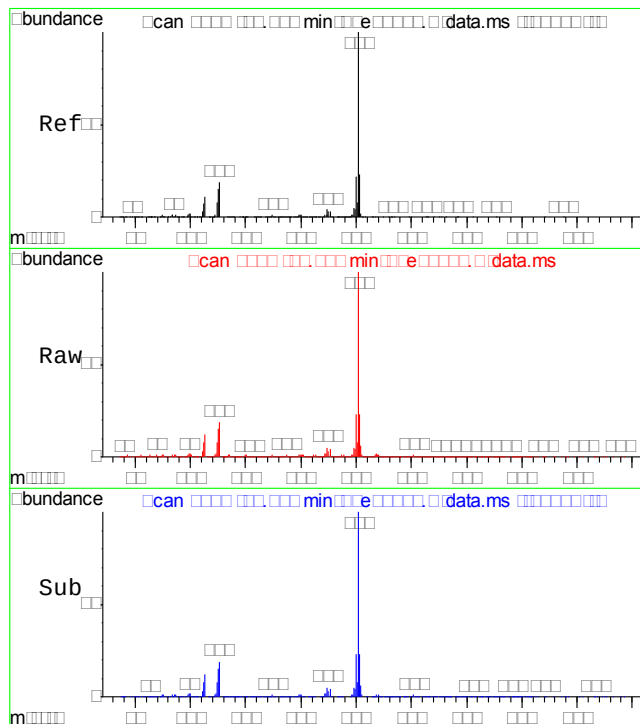
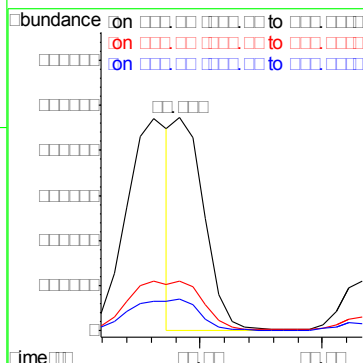
Tgt Ion:	252	Resp:	573920
Ion Ratio	Lower	Upper	
252	100		
253	21.6	0.0	53.1
125	12.5	0.0	45.0





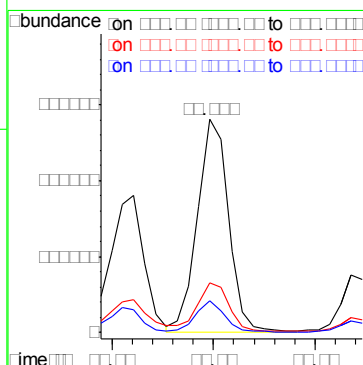
#95
Benzo[k]fluoranthene
Concen: 20.27 ppb
RT: 14.392 min Scan# 2582
Delta R.T. -0.011 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

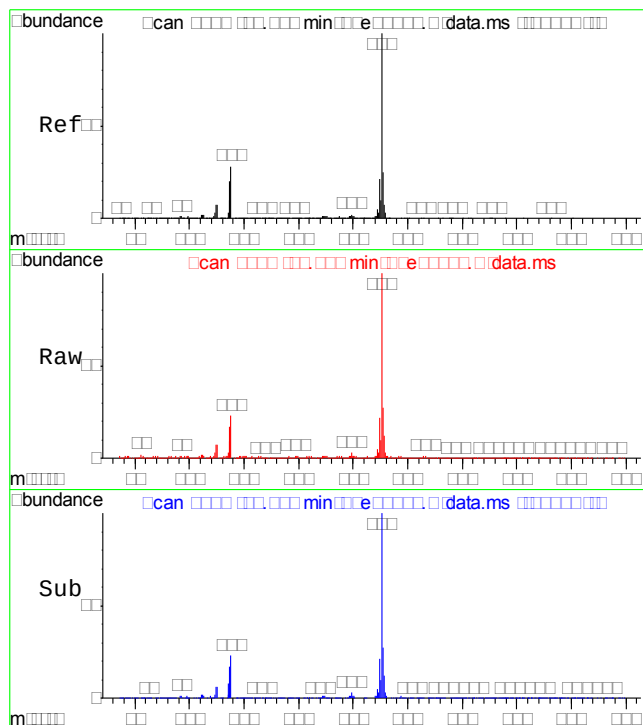
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	55.1
125	15.0	0.0	48.0



#96
Benzo[a]pyrene
Concen: 36.93 ppb
RT: 14.648 min Scan# 2630
Delta R.T. 0.000 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

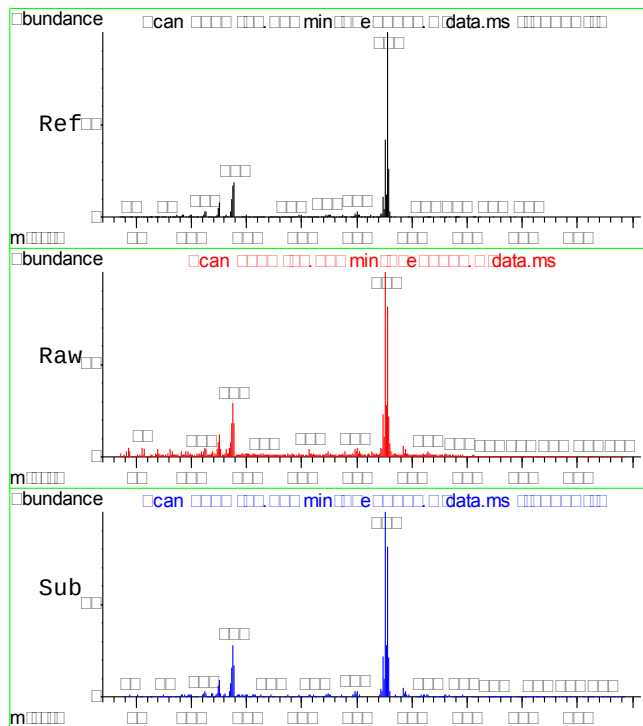
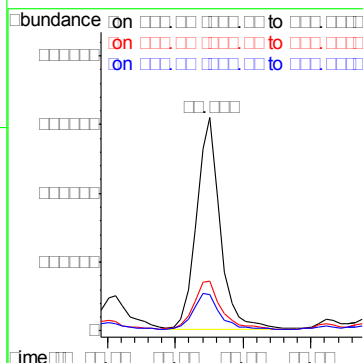
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	52.9
125	14.8	0.0	45.3





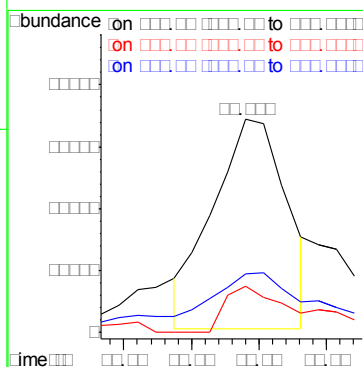
#97
Indeno[1,2,3-cd]pyrene
Concen: 20.11 ppb
RT: 15.525 min Scan# 2794
Delta R.T. 0.000 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

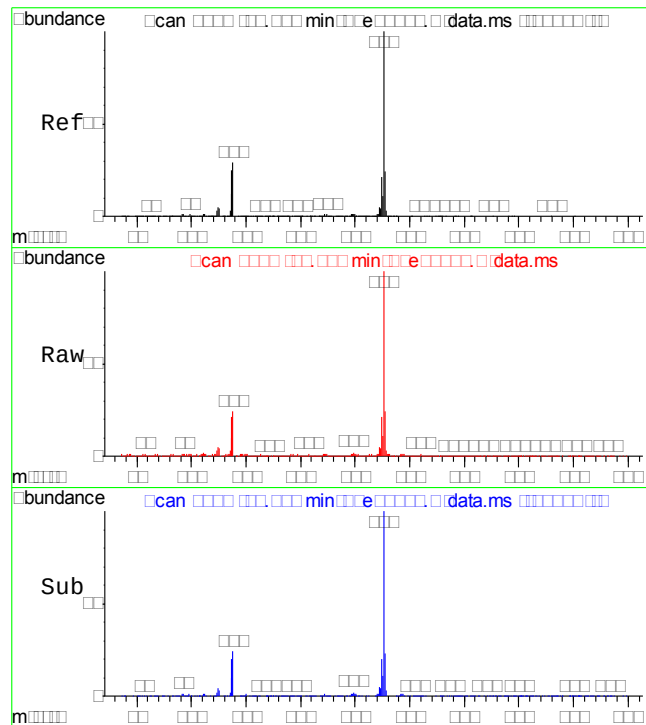
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	0.0	57.8
137	16.7	0.0	49.9



#99
Dibenz[a,h]anthracene
Concen: 6.97 ppb m
RT: 15.536 min Scan# 2796
Delta R.T. -0.010 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

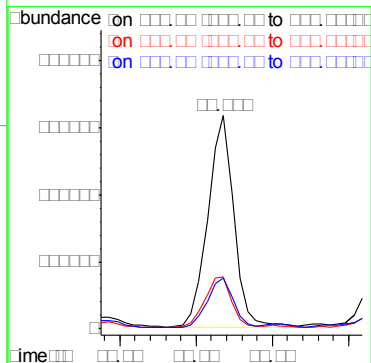
Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	0.0	49.3
279	27.5	0.0	56.1





#101
Benzo[g,h,i]perylene
Concen: 24.79 ppb
RT: 15.718 min Scan# 2830
Delta R.T. -0.000 min
Lab File: 3e30157.D
Acq: 13 Oct 2010 5:53 pm

Tgt	Ion	276	Resp:	376503
	Ion	Ratio	Lower	Upper
	276	100		
	138	23.6	0.0	58.8
	277	23.0	0.0	53.6



Manual Integration Approval Summary

Sample Number: JA58043-4

Method: SW846 8270C

Lab FileID: 3E30157.D

Analyst approved: 10/14/10 17:23 Olga Azarihn

Injection Time: 10/13/10 17:53

Supervisor approved: 10/20/10 14:49 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Dibenzo(a,h)anthracene	53-70-3		15.54	Overlapping peak

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30158.D
 Acq On : 13 Oct 2010 6:17 pm
 Operator : olgaa
 Sample : ja58043-4
 Misc : op46062,e3e1334,35.2
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 14 17:00:17 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	178162	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	646375	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	380605	40.00	ppb	0.00
69) Phenanthrene-d10	9.760	188	585399	40.00	ppb	0.00
83) Chrysene-d12	13.359	240	533011	40.00	ppb	0.03
92) Perylene-d12	14.728	264	476393	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4a	3.202	152	178162	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	380605	40.00	ppb	0.00
106) Phenanthrene-d10a	9.760	188	585399	40.00	ppb	0.01
109) Chrysene-d12a	13.359	240	533011	40.00	ppb	0.03

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	396323	66.61	ppb	0.00
Spiked Amount 50.000			Recovery =	133.22%		
8) Phenol-d5	2.897	99	492713	62.53	ppb	0.00
Spiked Amount 50.000			Recovery =	125.06%		
25) Nitrobenzene-d5	3.919	82	414794	65.43	ppb	0.00
Spiked Amount 50.000			Recovery =	130.86%		
51) 2-Fluorobiphenyl	6.529	172	908630	68.96	ppb	0.00
Spiked Amount 50.000			Recovery =	137.92%		
73) 2,4,6-Tribromophenol	8.738	330	98159	85.15	ppb	0.00
Spiked Amount 50.000			Recovery =	170.30%		
85) Terphenyl-d14	12.209	244	775406	77.21	ppb	0.01
Spiked Amount 50.000			Recovery =	154.42%		

Target Compounds

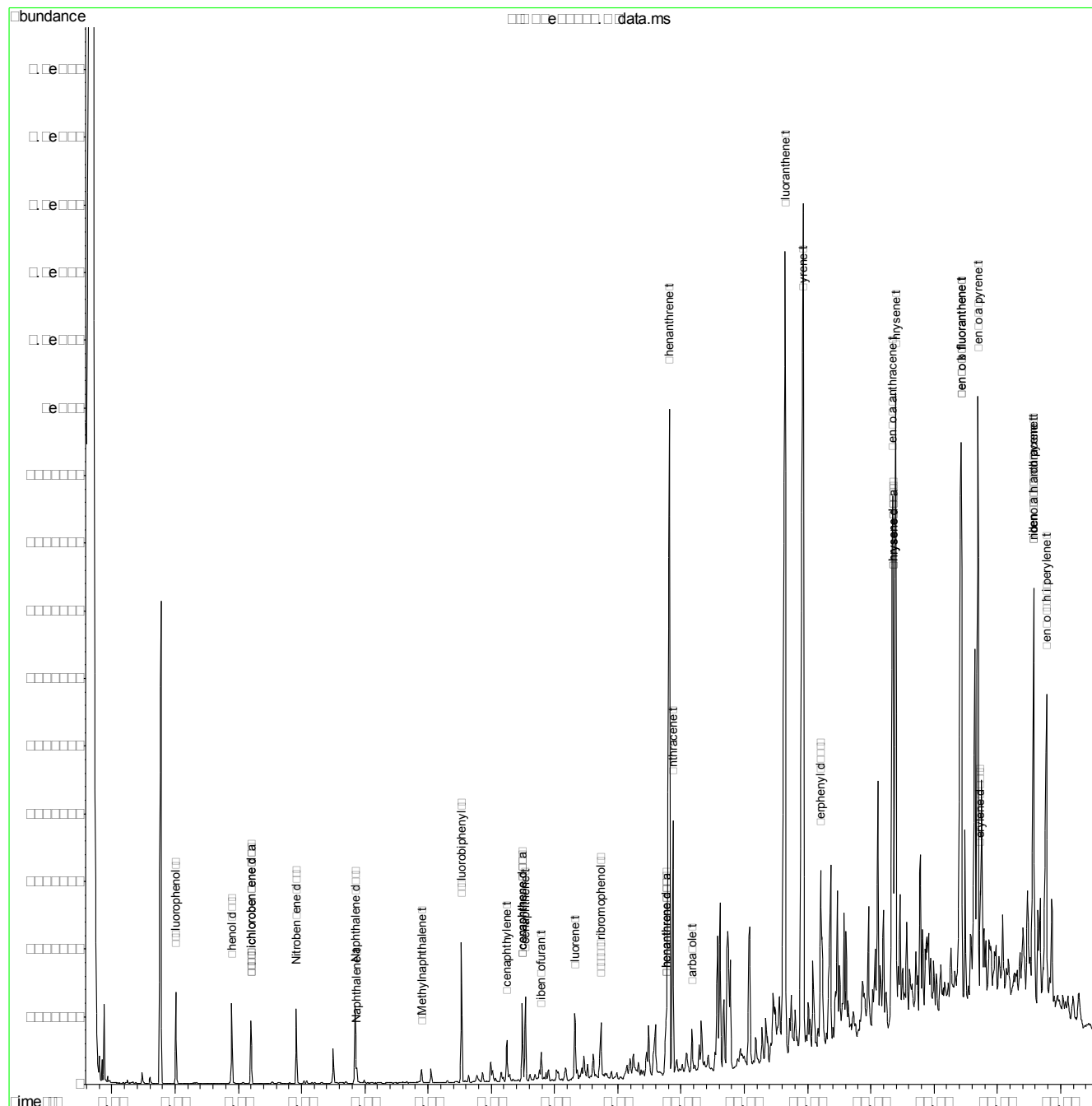
						Qvalue
38) Naphthalene	4.871	128	139515	7.39	ppb	98
44) 2-Methylnaphthalene	5.898	142	65263	5.14	ppb	96
56) Acenaphthylene	7.246	152	420312	24.24	ppb	98
59) Acenaphthene	7.540	153	408114	37.01	ppb	99
62) Dibenzofuran	7.791	168	217216	13.76	ppb	90
66) Fluorene	8.321	166	408951	32.64	ppb	97
77) Phenanthrene	9.818	178	7332936	437.36	ppb	92
78) Anthracene	9.872	178	2037807	124.23	ppb	96
79) Carbazole	10.171	167	400143	25.31	ppb	98
81) Fluoranthene	11.648	202	9708349	575.63	ppb	84
84) Pyrene	11.931	202	10409974	613.19	ppb	83
88) Benzo[a]anthracene	13.343	228	4781474	341.23	ppb	89
90) Chrysene	13.397	228	4351159	296.40	ppb	92
94) Benzo[b]fluoranthene	14.424	252	5145035	341.29	ppb	94
95) Benzo[k]fluoranthene	14.434	252	1709761	103.40	ppb	98
96) Benzo[a]pyrene	14.696	252	4132139	307.58	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.574	276	2895768	186.76	ppb	96
99) Dibenz[a,h]anthracene	15.579	278	982863m	75.48	ppb	
101) Benzo[g,h,i]perylene	15.777	276	2882407	228.54	ppb	97

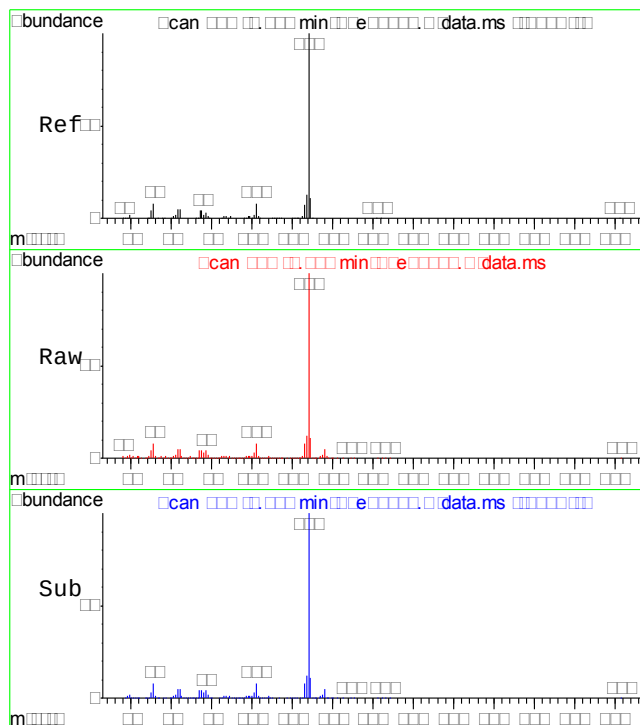
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
Data File : 3e30158.D
Acq On : 13 Oct 2010 6:17 pm
Operator : olgaa
Sample : ja58043-4
Misc : op46062,e3e1334,35.2
ALS Vial : 22 Sample Multiplier: 1

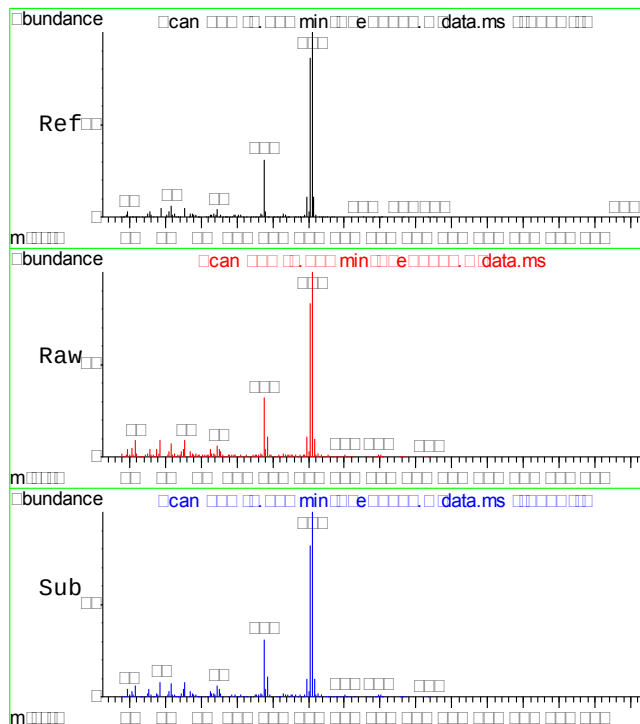
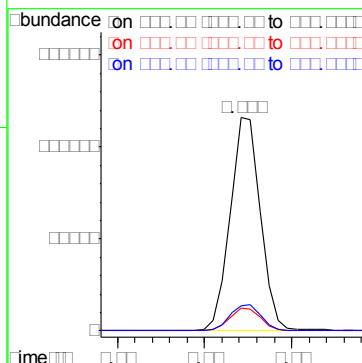
Quant Time: Oct 14 17:00:17 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration





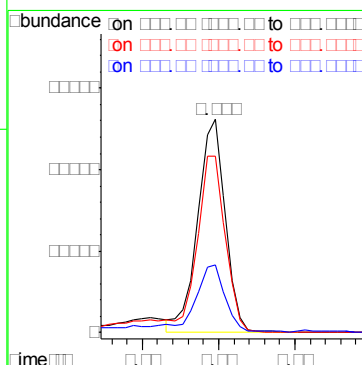
#38
Naphthalene
Concen: 7.39 ppb
RT: 4.871 min Scan# 802
Delta R.T. -0.011 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

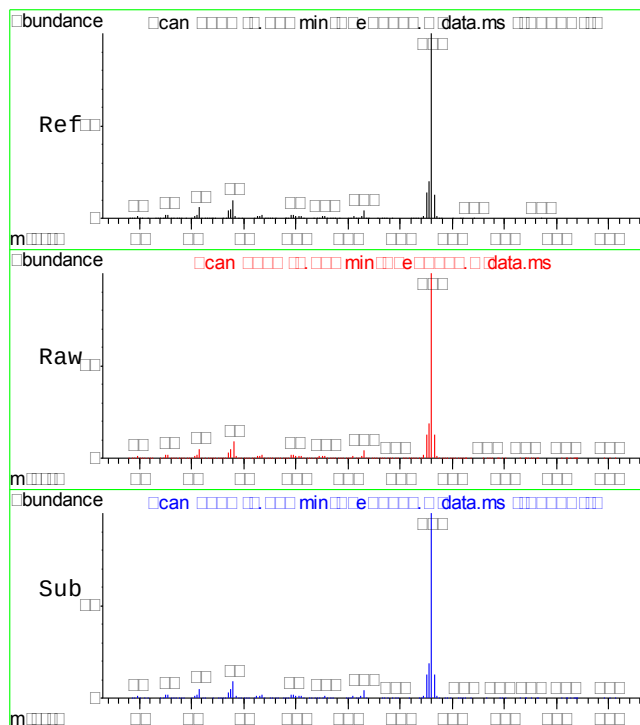
Tgt Ion:	128	Resp:	139515
Ion Ratio	Lower	Upper	
128	100		
129	10.6	0.0	41.0
127	11.7	0.0	42.9



#44
2-Methylnaphthalene
Concen: 5.14 ppb
RT: 5.898 min Scan# 994
Delta R.T. -0.005 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

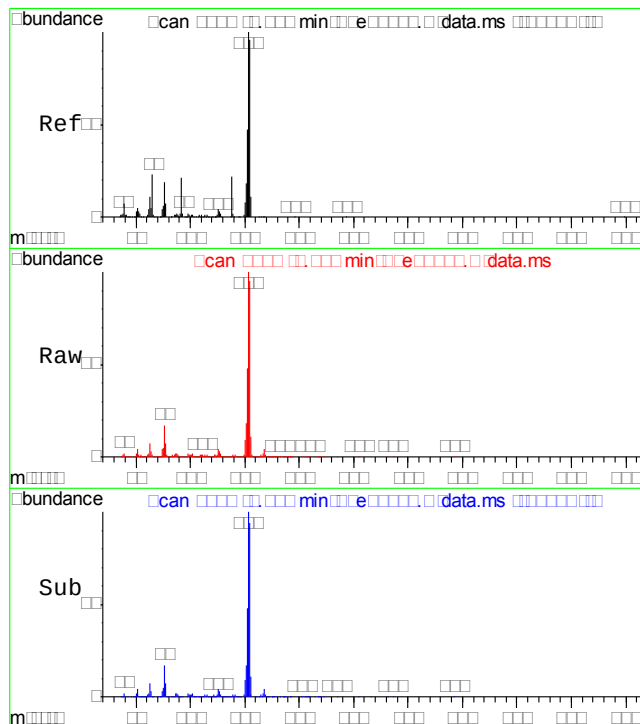
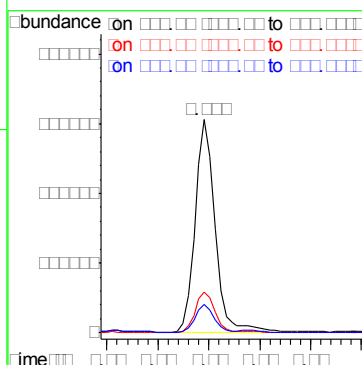
Tgt Ion:	142	Resp:	65263
Ion Ratio	Lower	Upper	
142	100		
141	82.2	56.0	116.0
115	30.3	1.3	61.3





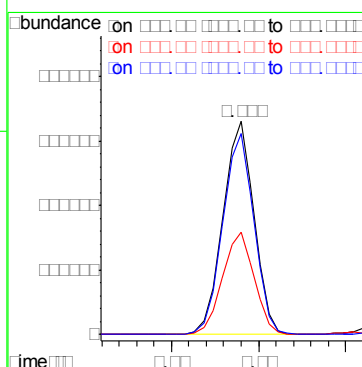
#56
Acenaphthylene
Concen: 24.24 ppb
RT: 7.246 min Scan# 1246
Delta R.T. -0.005 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

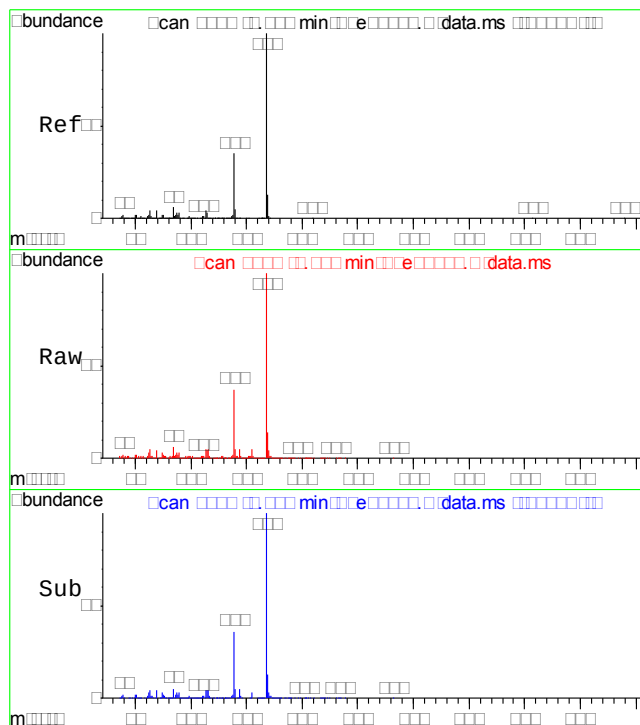
Tgt Ion:	152	Resp:	420312
Ion Ratio	Lower	Upper	
152	100		
151	19.0	0.0	50.1
153	13.0	0.0	43.4



#59
Acenaphthene
Concen: 37.01 ppb
RT: 7.540 min Scan# 1301
Delta R.T. -0.005 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

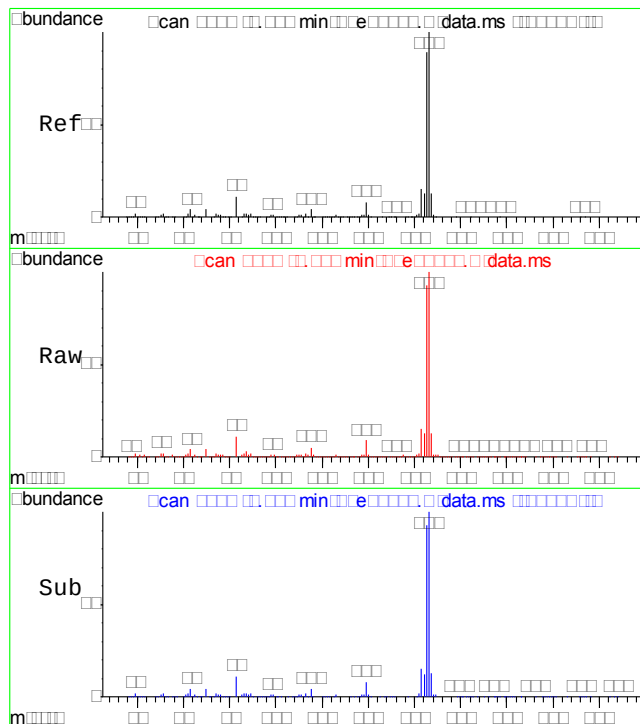
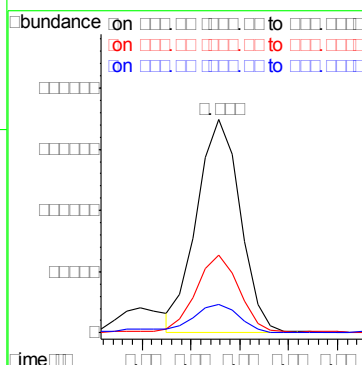
Tgt Ion:	153	Resp:	408114
Ion Ratio	Lower	Upper	
153	100		
152	47.9	17.3	77.3
154	94.5	66.2	126.2





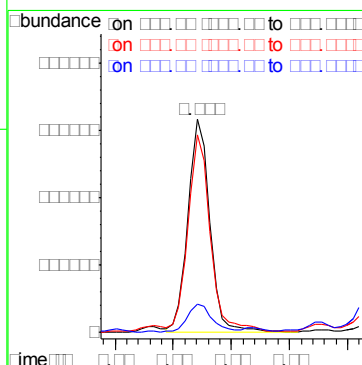
#62
Dibenzenofuran
Concen: 13.76 ppb
RT: 7.791 min Scan# 1348
Delta R.T. -0.011 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

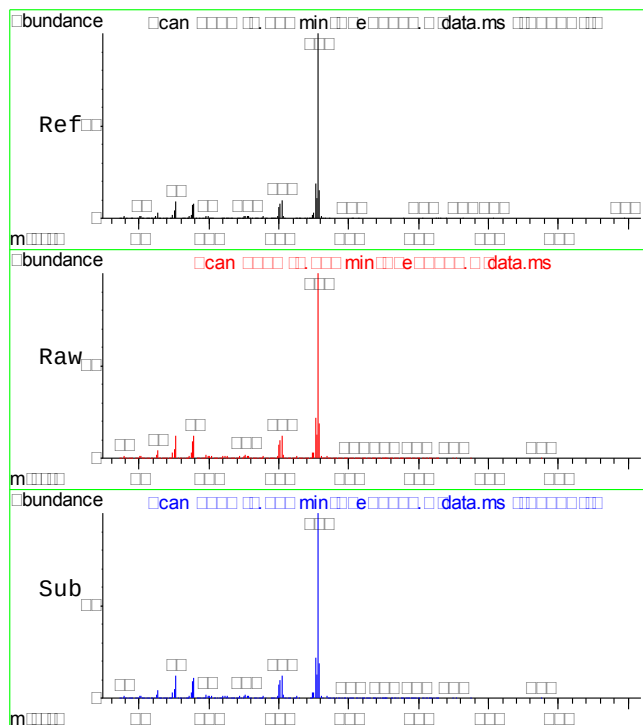
Tgt Ion:	168	Resp:	217216
Ion Ratio	Lower	Upper	
168	100		
139	37.2	0.0	59.3
169	13.2	0.0	43.5



#66
Fluorene
Concen: 32.64 ppb
RT: 8.321 min Scan# 1447
Delta R.T. -0.005 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

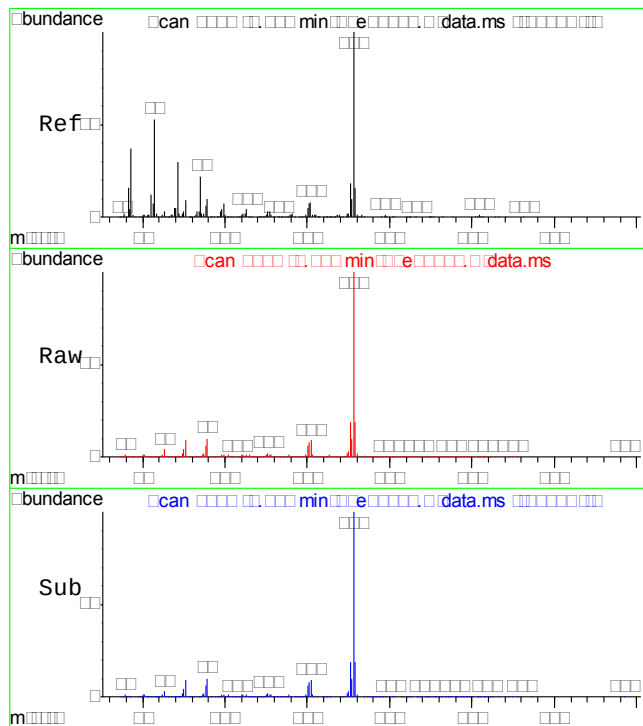
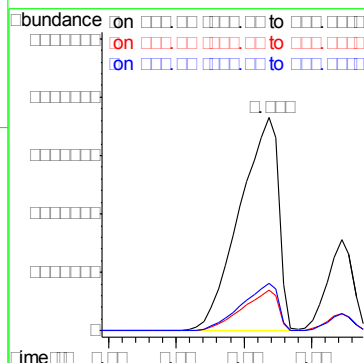
Tgt Ion:	166	Resp:	408951
Ion Ratio	Lower	Upper	
166	100		
165	92.1	59.4	119.4
167	12.5	0.0	43.2





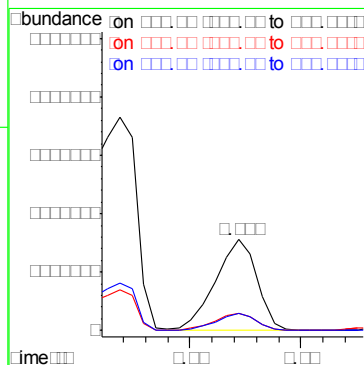
#77
 Phenanthrene
 Concen: 437.36 ppb
 RT: 9.818 min Scan# 1727
 Delta R.T. 0.027 min
 Lab File: 3e30158.D
 Acq: 13 Oct 2010 6:17 pm

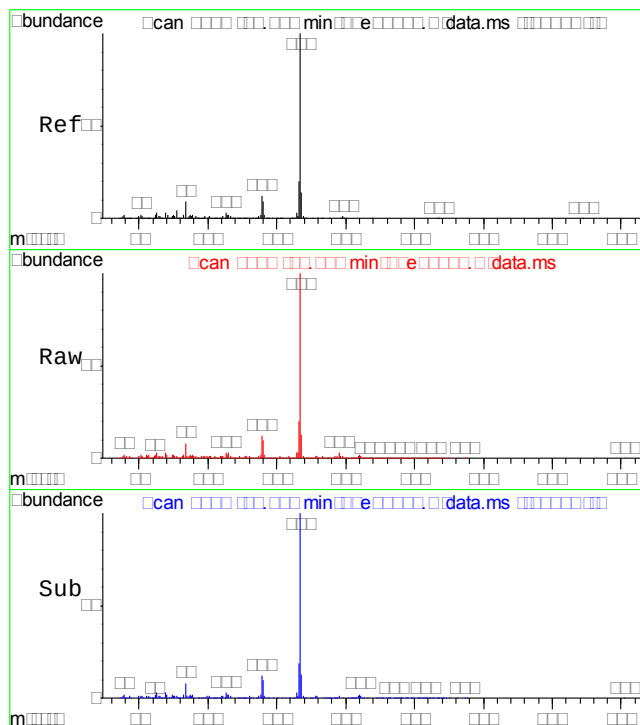
Tgt Ion:	178	Resp:	7332936
Ion Ratio	Lower	Upper	
178	100		
179	18.9	0.0	45.3
176	22.2	0.0	48.8



#78
 Anthracene
 Concen: 124.23 ppb
 RT: 9.872 min Scan# 1737
 Delta R.T. 0.011 min
 Lab File: 3e30158.D
 Acq: 13 Oct 2010 6:17 pm

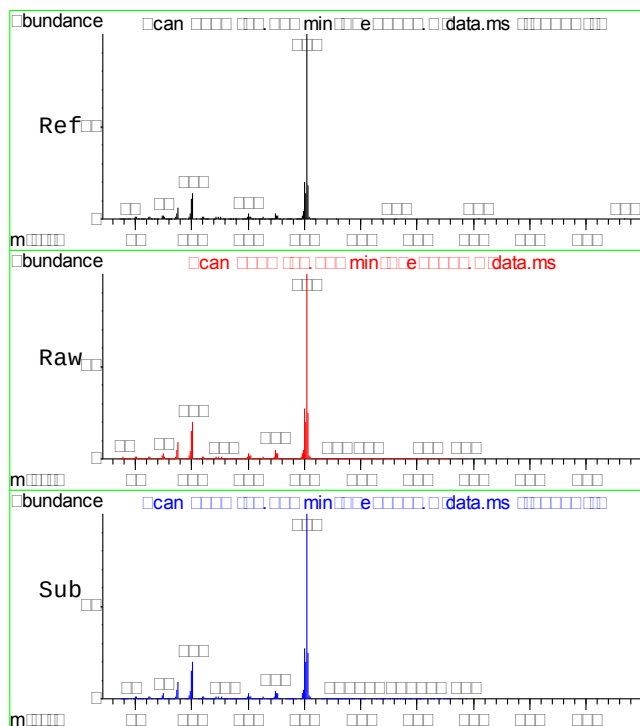
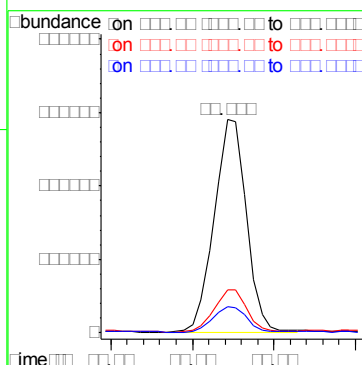
Tgt Ion:	178	Resp:	2037807
Ion Ratio	Lower	Upper	
178	100		
179	18.8	0.0	45.6
176	18.6	0.0	47.9





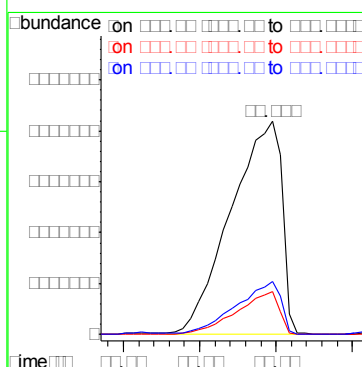
#79
 Carbazole
 Concen: 25.31 ppb
 RT: 10.171 min Scan# 1793
 Delta R.T. -0.005 min
 Lab File: 3e30158.D
 Acq: 13 Oct 2010 6:17 pm

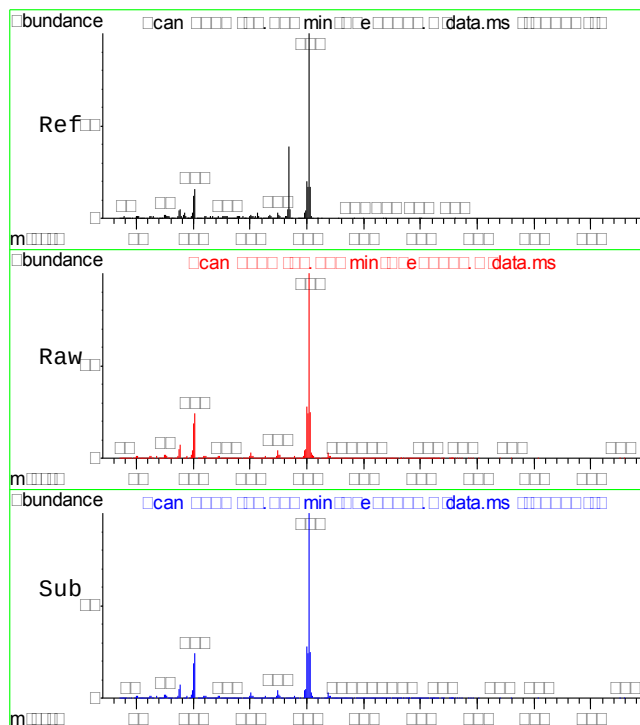
Tgt Ion:	167	Resp:	400143
Ion Ratio	Lower	Upper	
167	100		
166	19.6	0.0	50.5
139	12.0	0.0	42.4



#81
 Fluoranthene
 Concen: 575.63 ppb
 RT: 11.648 min Scan# 2069
 Delta R.T. 0.048 min
 Lab File: 3e30158.D
 Acq: 13 Oct 2010 6:17 pm

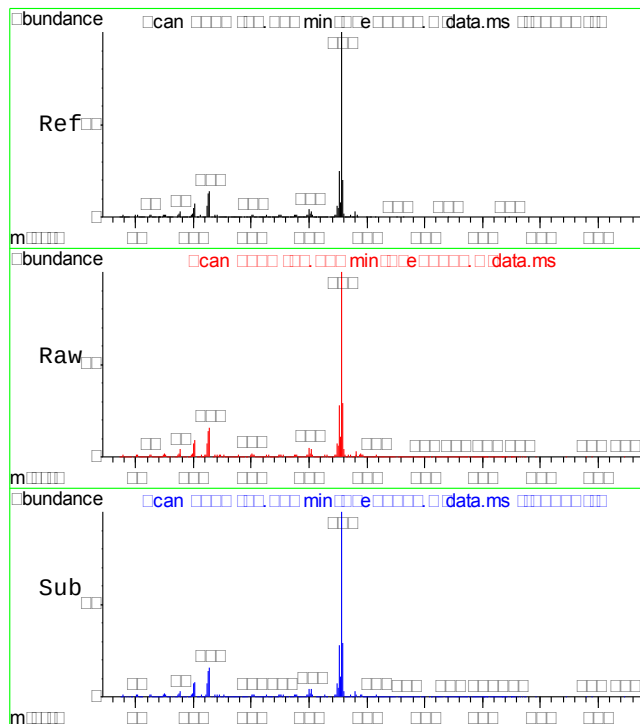
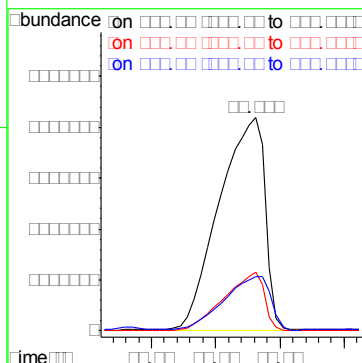
Tgt Ion:	202	Resp:	9708349
Ion Ratio	Lower	Upper	
202	100		
101	20.1	0.0	43.6
203	24.6	0.0	47.7





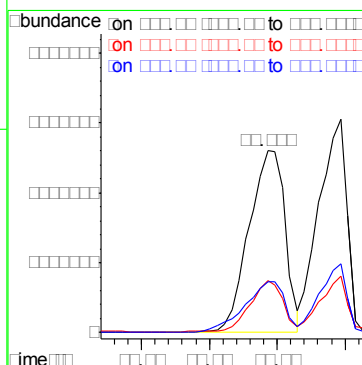
#84
Pyrene
Concen: 613.19 ppb
RT: 11.931 min Scan# 2122
Delta R.T. 0.048 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

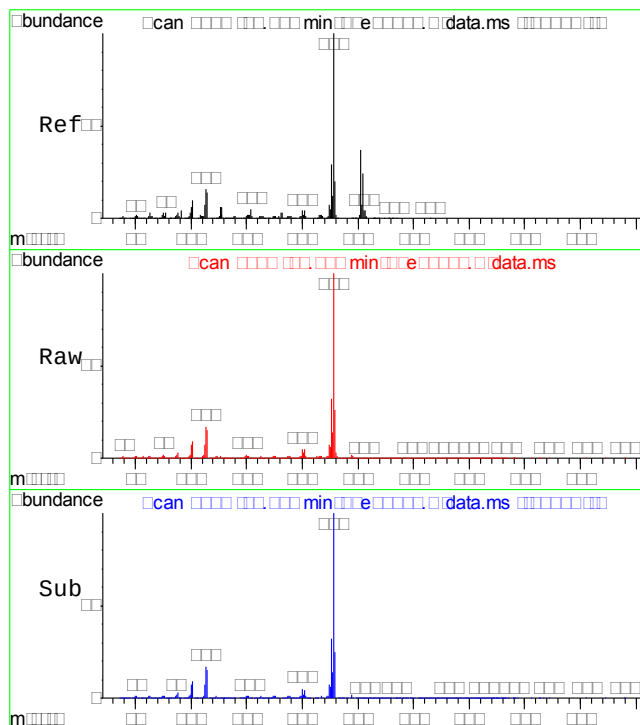
Tgt Ion	Ratio	Lower	Upper
202	100		
200	27.6	0.0	50.1
203	25.1	0.0	47.5



#88
Benzo[a]anthracene
Concen: 341.23 ppb
RT: 13.343 min Scan# 2386
Delta R.T. 0.027 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

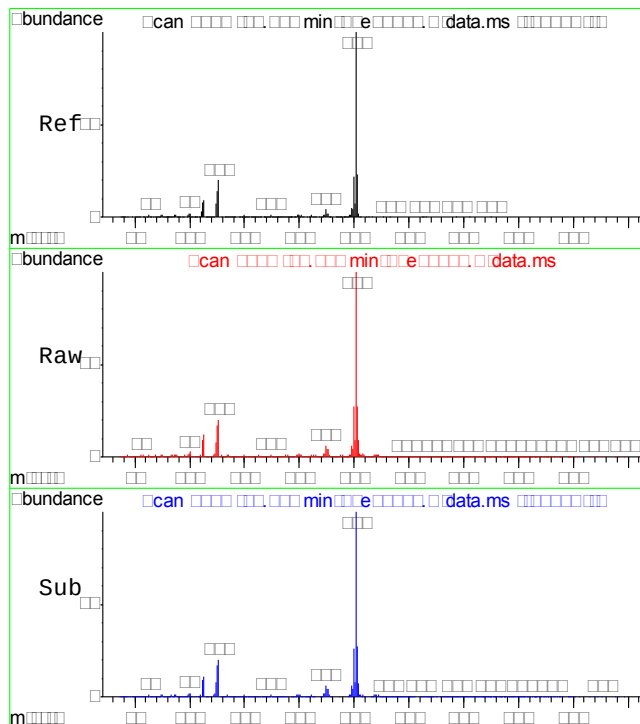
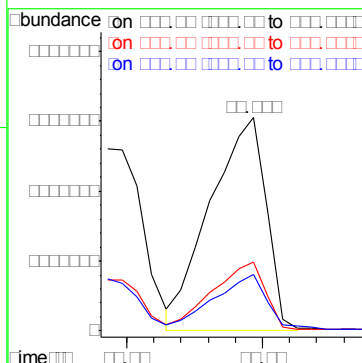
Tgt Ion	Ratio	Lower	Upper
228	100		
229	28.7	0.0	50.4
226	28.2	0.0	55.5





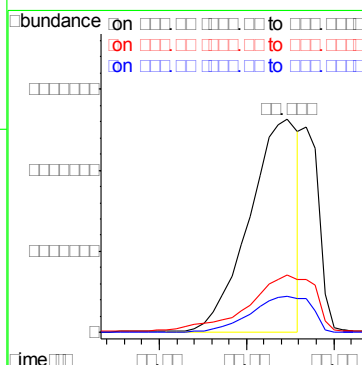
#90
Chrysene
Concen: 296.40 ppb
RT: 13.397 min Scan# 2396
Delta R.T. 0.037 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

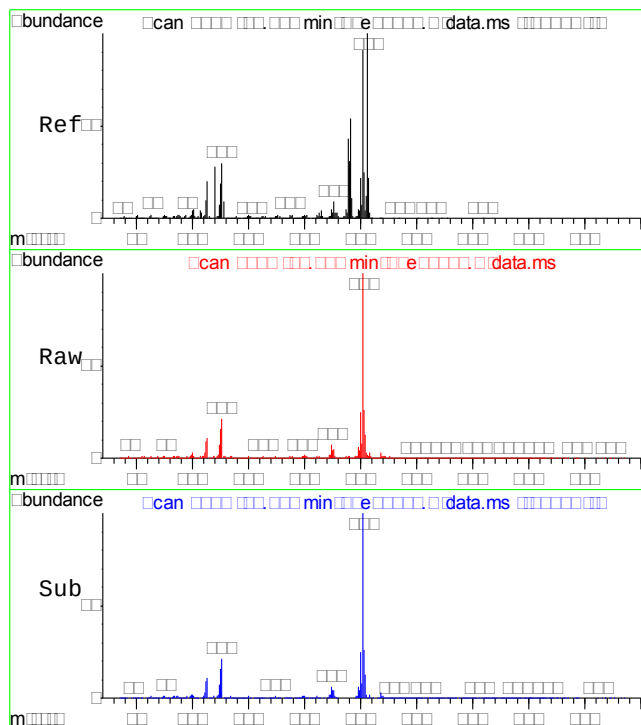
Tgt Ion:	228	Resp:	4351159
Ion Ratio	Lower	Upper	
228	100		
226	32.3	0.0	59.2
229	25.2	0.0	49.9



#94
Benzo[b]fluoranthene
Concen: 341.29 ppb
RT: 14.424 min Scan# 2588
Delta R.T. 0.049 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

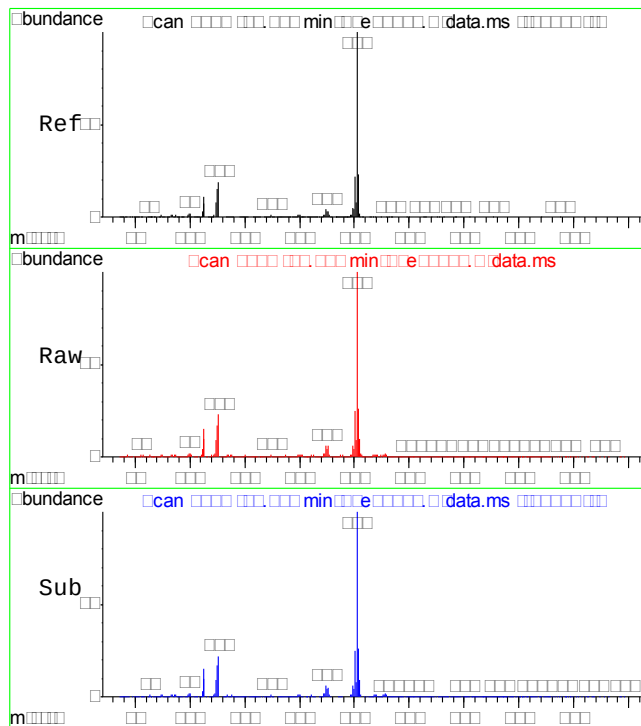
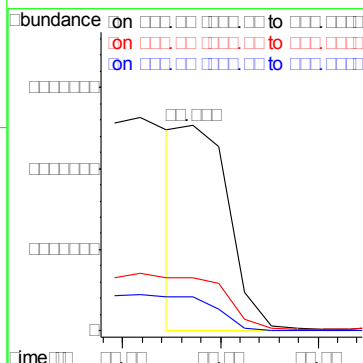
Tgt Ion:	252	Resp:	5145035
Ion Ratio	Lower	Upper	
252	100		
253	27.0	0.0	53.1
125	16.7	0.0	45.0





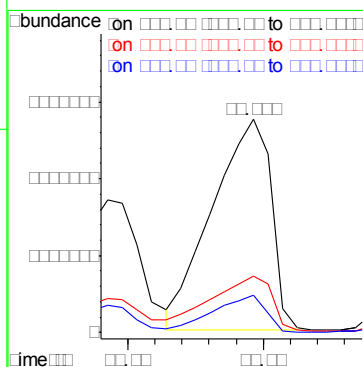
#95
Benzo[k]fluoranthene
Concen: 103.40 ppb
RT: 14.434 min Scan# 2590
Delta R.T. 0.032 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

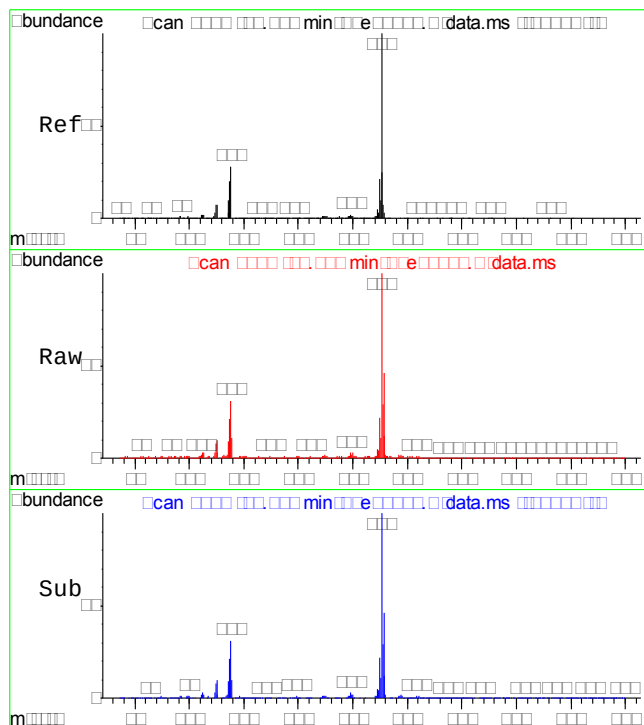
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	0.0	55.1
125	15.7	0.0	48.0



#96
Benzo[a]pyrene
Concen: 307.58 ppb
RT: 14.696 min Scan# 2639
Delta R.T. 0.048 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

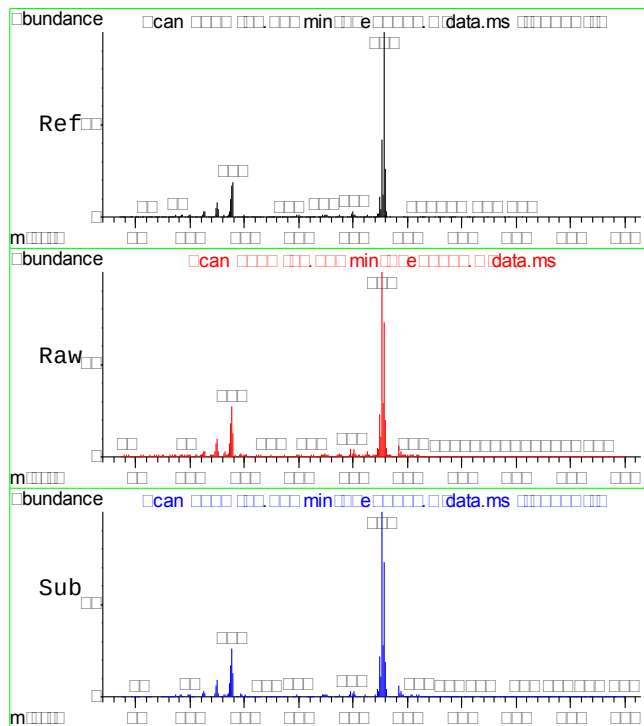
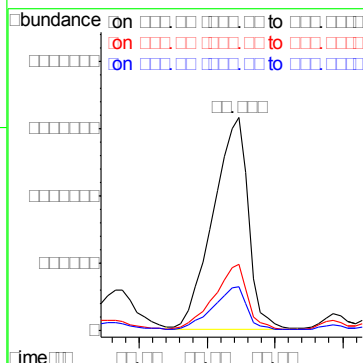
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	52.9
125	17.3	0.0	45.3





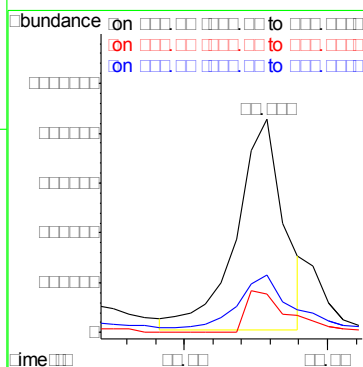
#97
 Indeno[1,2,3-cd]pyrene
 Concen: 186.76 ppb
 RT: 15.574 min Scan# 2803
 Delta R.T. 0.049 min
 Lab File: 3e30158.D
 Acq: 13 Oct 2010 6:17 pm

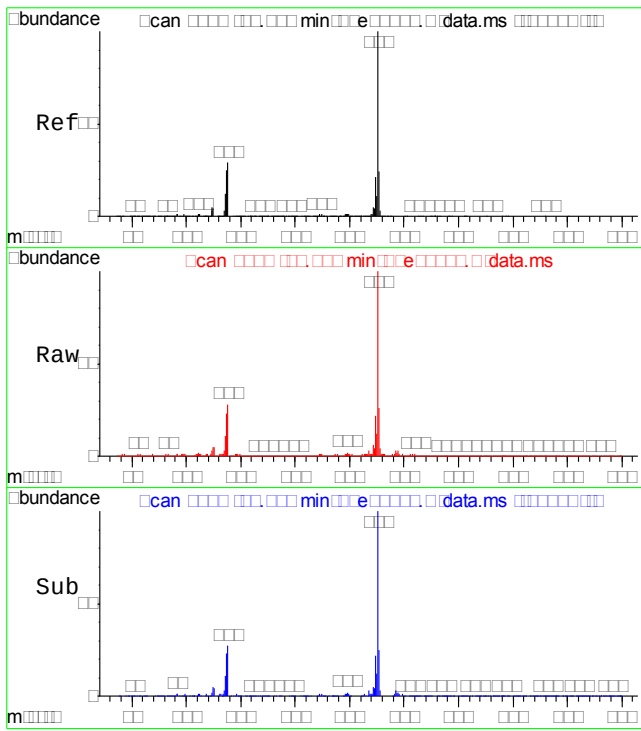
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.8	0.0	57.8
137	20.5	0.0	49.9



#99
 Dibenzo[a,h]anthracene
 Concen: 75.48 ppb m
 RT: 15.579 min Scan# 2804
 Delta R.T. 0.033 min
 Lab File: 3e30158.D
 Acq: 13 Oct 2010 6:17 pm

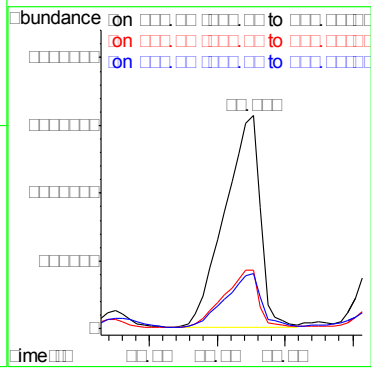
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.2	0.0	49.3
279	27.2	0.0	56.1





#101
Benzo[g,h,i]perylene
Concen: 228.54 ppb
RT: 15.777 min Scan# 2841
Delta R.T. 0.059 min
Lab File: 3e30158.D
Acq: 13 Oct 2010 6:17 pm

Tgt Ion:	276	Resp:	2882407
Ion Ratio	Lower	Upper	
276	100		
138	27.1	0.0	58.8
277	25.2	0.0	53.6



8.1.5
8

Manual Integration Approval Summary

Sample Number: JA58043-4

Method: SW846 8270C

Lab FileID: 3E30158.D

Analyst approved: 10/14/10 17:23 Olga Azarihn

Injection Time: 10/13/10 18:17

Supervisor approved: 10/20/10 14:49 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Dibenzo(a,h)anthracene	53-70-3		15.58	Overlapping peak

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52853.D
 Acq On : 14 Oct 2010 11:06 am
 Operator : ninap
 Sample : ja58043-5
 Misc : op46138,ep2277,960
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 12:14:34 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	137520	40.00	ppb	-0.06
24) Naphthalene-d8	6.74	136	515508	40.00	ppb	-0.06
47) Acenaphthene-d10	9.50	164	296902	40.00	ppb	-0.07
69) Phenanthrene-d10	11.81	188	478092	40.00	ppb	-0.06
83) Chrysene-d12	14.98	240	451752	40.00	ppb	-0.06
92) Perylene-d12	16.50	264	350955	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	4.94	152	137520	40.00	ppb	-0.06
104) Naphthalene-d8a	6.74	136	515508	40.00	ppb	-0.06
109) Phenanthrene-d10a	11.81	188	478092	40.00	ppb	-0.04
111) Acenaphthene-d10a	9.50	164	296902	40.00	ppb	-0.07
114) Chrysene-d12a	14.98	240	451752	40.00	ppb	-0.06
117) Naphthalene-d8b	6.74	136	515508	40.00	ppb	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	3.52	112	268381	47.34	ppb	-0.03
Spiked Amount	50.000		Recovery	=	94.68%	
8) Phenol-d5	4.53	99	247128	36.13	ppb	-0.03
Spiked Amount	50.000		Recovery	=	72.26%	
25) Nitrobenzene-d5	5.73	82	447501	85.42	ppb	-0.06
Spiked Amount	50.000		Recovery	=	170.84%	
51) 2-Fluorobiphenyl	8.46	172	829128	80.92	ppb	-0.06
Spiked Amount	50.000		Recovery	=	161.84%	
73) 2,4,6-Tribromophenol	10.79	330	115595	101.38	ppb	-0.06
Spiked Amount	50.000		Recovery	=	202.76%	
86) Terphenyl-d14	13.85	244	791043	79.99	ppb	-0.05
Spiked Amount	50.000		Recovery	=	159.98%	

Target Compounds Qvalue

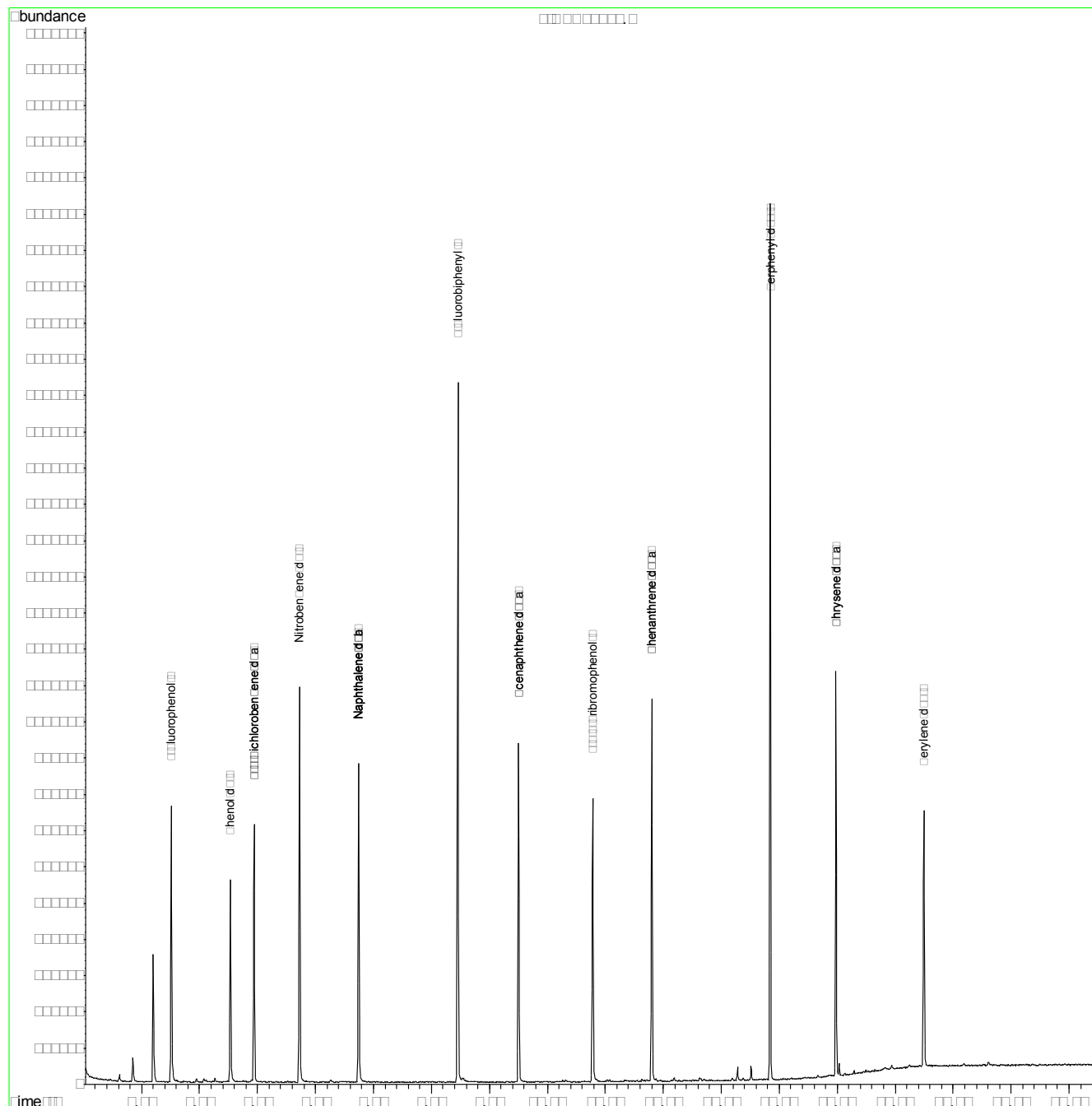
(#) = qualifier out of range (m) = manual integration (+) = signals summed

8.1.6
8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52853.D
Acq On : 14 Oct 2010 11:06 am
Operator : ninap
Sample : ja58043-5
Misc : op46138,ep2277,960
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 14 12:14:34 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30108.D
 Acq On : 12 Oct 2010 10:35 am
 Operator : olgaa
 Sample : op46062-mb1
 Misc : op46062,e3e1333,35.0
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:20:14 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	163592	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	615414	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	380379	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	597251	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	549933	40.00	ppb	0.00
92) Perylene-d12	14.691	264	467660	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	163592	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	380379	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	597251	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	549933	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	491002	89.88	ppb	0.00
Spiked Amount 50.000			Recovery =	179.76%		
8) Phenol-d5	2.897	99	607808	84.01	ppb	0.00
Spiked Amount 50.000			Recovery =	168.02%		
25) Nitrobenzene-d5	3.919	82	482990	80.02	ppb	0.00
Spiked Amount 50.000			Recovery =	160.04%		
51) 2-Fluorobiphenyl	6.529	172	1087470	82.59	ppb	0.00
Spiked Amount 50.000			Recovery =	165.18%		
73) 2,4,6-Tribromophenol	8.733	330	114364	97.24	ppb	0.00
Spiked Amount 50.000			Recovery =	194.48%		
85) Terphenyl-d14	12.199	244	1010846	97.55	ppb	0.00
Spiked Amount 50.000			Recovery =	195.10%		

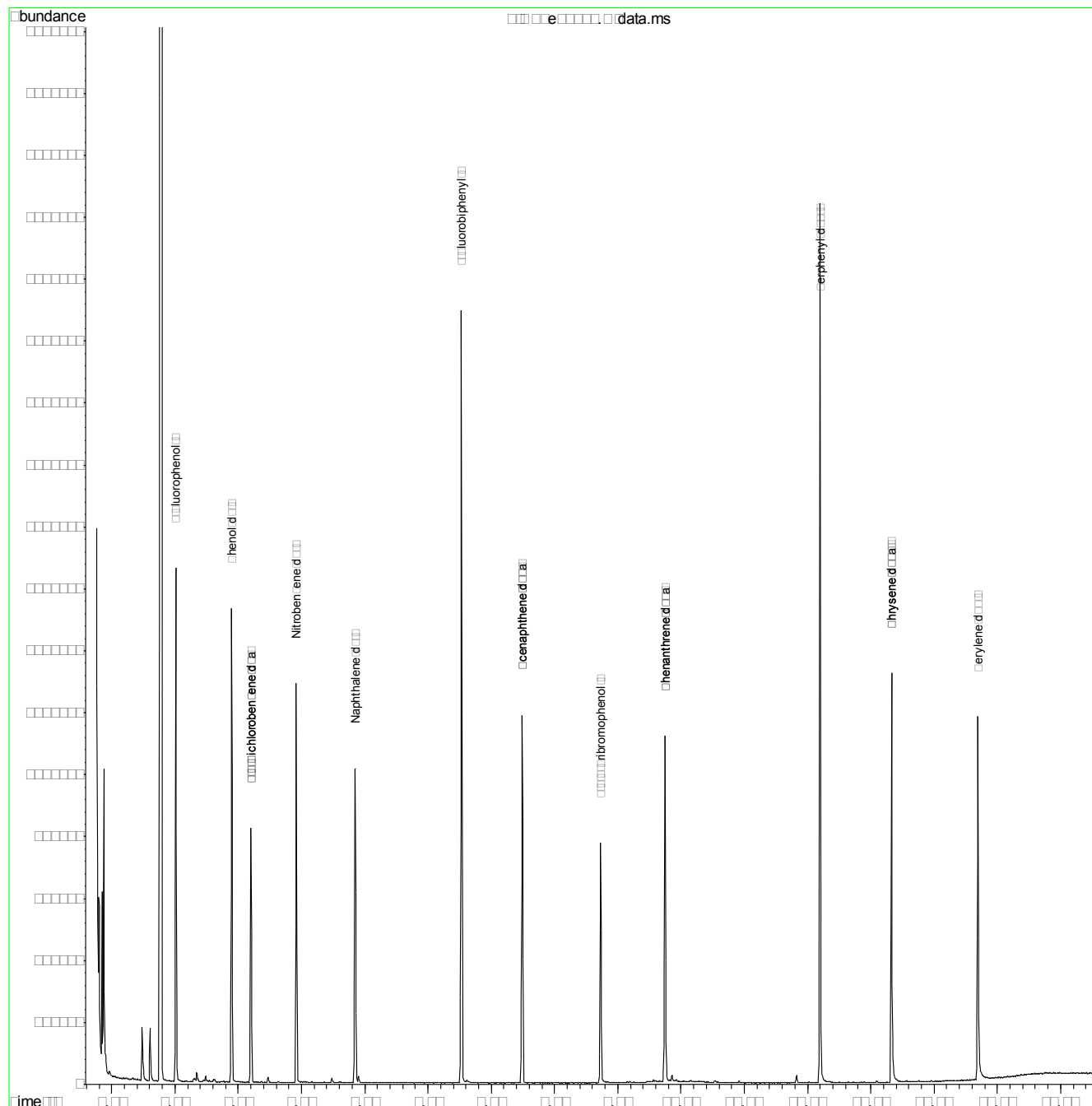
Target Compounds Qvalue

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

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30108.D
Acq On : 12 Oct 2010 10:35 am
Operator : olgaa
Sample : op46062-mb1
Misc : op46062,e3e1333,35.0
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 13 11:20:14 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52849.D
Acq On : 14 Oct 2010 9:16 am
Operator : ninap
Sample : op46138-mb1
Misc : op46138,ep2277,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 14 12:06:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration

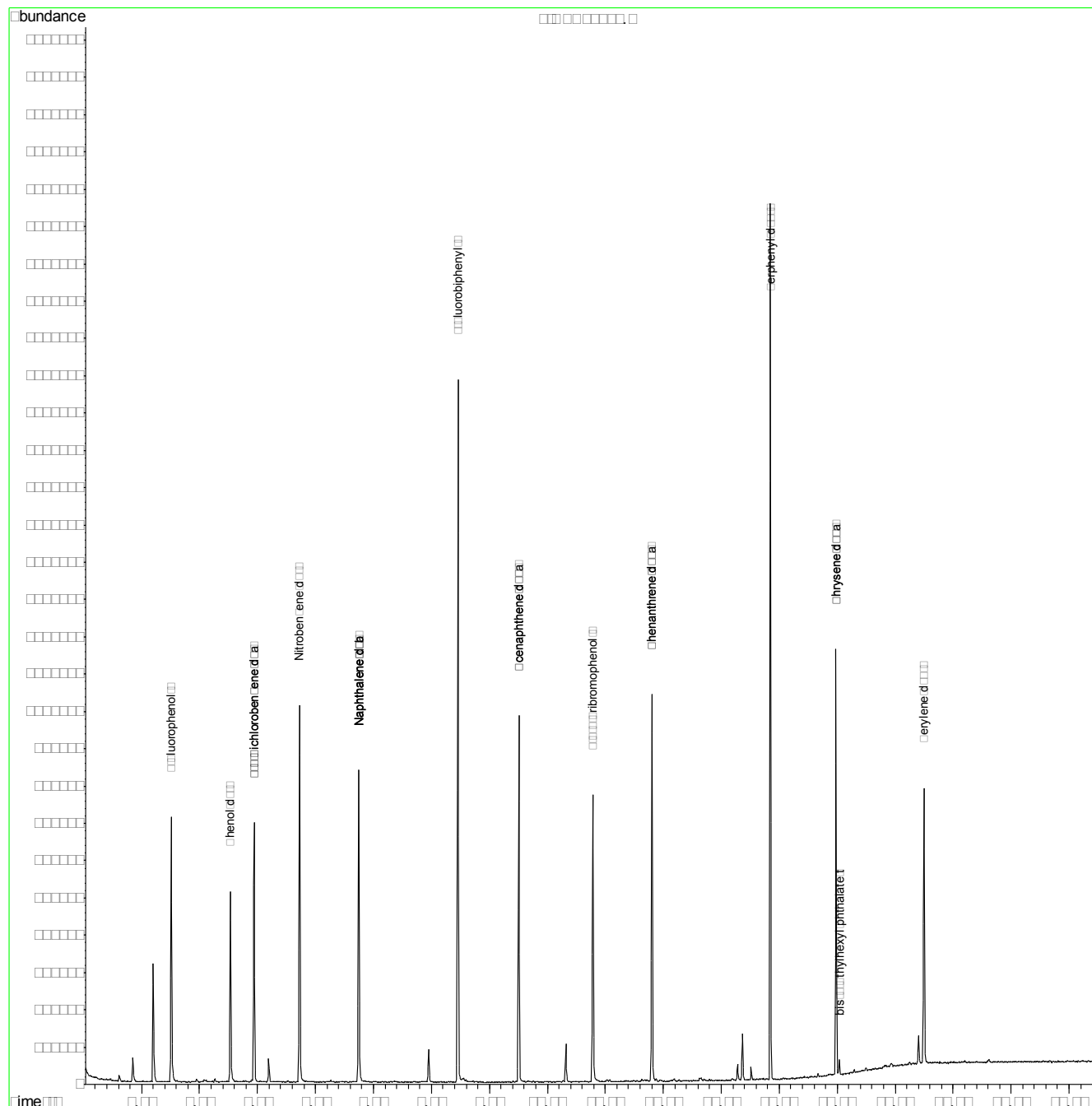
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	138745	40.00	ppb	-0.06
24) Naphthalene-d8	6.75	136	514403	40.00	ppb	-0.06
47) Acenaphthene-d10	9.51	164	296502	40.00	ppb	-0.06
69) Phenanthrene-d10	11.81	188	477979	40.00	ppb	-0.06
83) Chrysene-d12	14.98	240	444177	40.00	ppb	-0.06
92) Perylene-d12	16.50	264	336594	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	4.94	152	138745	40.00	ppb	-0.06
104) Naphthalene-d8a	6.75	136	514403	40.00	ppb	-0.06
109) Phenanthrene-d10a	11.81	188	477979	40.00	ppb	-0.04
111) Acenaphthene-d10a	9.51	164	296502	40.00	ppb	-0.06
114) Chrysene-d12a	14.98	240	444177	40.00	ppb	-0.06
117) Naphthalene-d8b	6.75	136	514403	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.51	112	251584	43.99	ppb	-0.03
Spiked Amount 50.000			Recovery	=	87.98%	
8) Phenol-d5	4.53	99	230725	33.43	ppb	-0.03
Spiked Amount 50.000			Recovery	=	66.86%	
25) Nitrobenzene-d5	5.73	82	429402	82.14	ppb	-0.06
Spiked Amount 50.000			Recovery	=	164.28%	
51) 2-Fluorobiphenyl	8.46	172	790590	77.26	ppb	-0.06
Spiked Amount 50.000			Recovery	=	154.52%	
73) 2,4,6-Tribromophenol	10.79	330	112217	98.44	ppb	-0.06
Spiked Amount 50.000			Recovery	=	196.88%	
86) Terphenyl-d14	13.85	244	763275	78.50	ppb	-0.05
Spiked Amount 50.000			Recovery	=	157.00%	
Target Compounds						
91) bis(2-Ethylhexyl)phthalate	15.04	149	10942	1.43	ppb	Qvalue 98

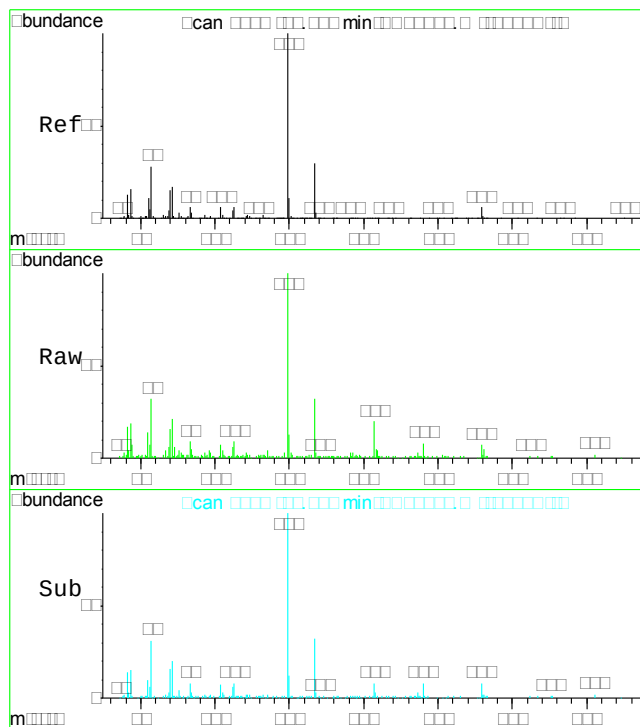
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52849.D
Acq On : 14 Oct 2010 9:16 am
Operator : ninap
Sample : op46138-mb1
Misc : op46138,ep2277,1000
ALS Vial : 5 Sample Multiplier: 1

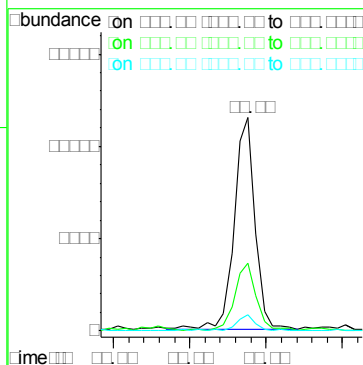
Quant Time: Oct 14 12:06:56 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration





#91
bis(2-Ethylhexyl)phthalate
Concen: 1.43 ppb
RT: 15.04 min Scan# 2435
Delta R.T. -0.06 min
Lab File: P52849.D
Acq: 14 Oct 2010 9:16 am

Tgt Ion:	149	Resp:	10942
Ion Ratio	Lower	Upper	
149	100		
167	31.3	0.1	60.1
279	7.5	0.0	36.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30109.D
 Acq On : 12 Oct 2010 10:59 am
 Operator : olgaa
 Sample : op46062-bs1
 Misc : op46062,e3e1333,35.0
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:23:04 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	162467	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	610119	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	375975	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	592410	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	578346	40.00	ppb	0.00
92) Perylene-d12	14.691	264	500032	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	162467	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	375975	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	592410	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	578346	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	460922	84.96	ppb	0.00
Spiked Amount 50.000			Recovery =	169.92%		
8) Phenol-d5	2.903	99	584405	81.34	ppb	0.00
Spiked Amount 50.000			Recovery =	162.68%		
25) Nitrobenzene-d5	3.924	82	463328	77.43	ppb	0.00
Spiked Amount 50.000			Recovery =	154.86%		
51) 2-Fluorobiphenyl	6.535	172	1071989	82.36	ppb	0.00
Spiked Amount 50.000			Recovery =	164.72%		
73) 2,4,6-Tribromophenol	8.738	330	124919	107.08	ppb	0.00
Spiked Amount 50.000			Recovery =	214.16%		
85) Terphenyl-d14	12.199	244	1028613	94.39	ppb	0.00
Spiked Amount 50.000			Recovery =	188.78%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.047	88	47855	23.13	ppb	99
3) Pyridine	1.207	79	193876	35.29	ppb	93
4) N-Nitrosodimethylamine	1.197	74	129724	38.33	ppb	89
6) Indene	3.534	116	349350	40.93	ppb	97
7) Cumene	2.427	105	379321	33.75	ppb	98
9) Phenol	2.914	94	338114	42.06	ppb	91
10) Aniline	2.897	93	288664	33.50	ppb	91
11) bis(2-Chloroethyl)ether	2.978	93	226515	39.97	ppb	89
12) 2-Chlorophenol	3.010	128	267046	43.83	ppb	97
13) Decane	3.090	43	223754	33.88	ppb	94
14) 1,3-Dichlorobenzene	3.160	146	259405	40.28	ppb	99
15) 1,4-Dichlorobenzene	3.224	146	267049	40.35	ppb	99
16) Benzyl alcohol	3.422	108	177513	42.57	ppb	99
17) 1,2-Dichlorobenzene	3.438	146	254969	41.18	ppb	98
18) Acetophenone	3.743	105	355895	44.71	ppb	95
19) 2-Methylphenol	3.609	108	238050	43.95	ppb	96
20) 2,2'-oxybis(1-Chloropr...	3.625	121	94705	42.33	ppb	# 82
21) 3&4-Methylphenol	3.801	108	253759	43.01	ppb	98
22) n-Nitroso-di-n-propyla...	3.801	70	165053	39.93	ppb	95
23) Hexachloroethane	3.812	201	82337	40.39	ppb	96
26) Nitrobenzene	3.946	123	134184	43.04	ppb	97
27) Quinoline	5.379	129	563595	51.98	ppb	99
28) Isophorone	4.267	82	475556	45.47	ppb	98
29) 2-Nitrophenol	4.374	139	132352	40.91	ppb	# 74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30109.D
 Acq On : 12 Oct 2010 10:59 am
 Operator : olgaa
 Sample : op46062-bs1
 Misc : op46062,e3e1333,35.0
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:23:04 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.507	107	250824	47.16	ppb	99
31) Benzoic acid	4.721	105	149538	37.44	ppb	81
32) bis(2-Chloroethoxy)met...	4.636	93	292426	45.50	ppb	99
33) 2,4-Dichlorophenol	4.705	162	218912	45.85	ppb	97
34) 2,6-Dichlorophenol	5.037	162	215955	45.70	ppb	99
36) 1,2,4-Trichlorobenzene	4.812	180	215540	43.65	ppb	100
38) Naphthalene	4.876	128	780263	43.80	ppb	99
39) 4-Chloroaniline	5.042	127	263488	35.22	ppb	99
40) 2,3-Dichloroaniline	6.401	161	250105	45.14	ppb	99
41) Caprolactam	5.518	55	131790	45.70	ppb	96
42) Hexachlorobutadiene	5.187	225	112605	44.58	ppb	98
43) 4-Chloro-3-methylphenol	5.834	107	229841	45.62	ppb	# 32
44) 2-Methylnaphthalene	5.898	142	502941	41.95	ppb	97
45) 1-Methylnaphthalene	6.053	142	509186	45.85	ppb	98
46) Dimethylnaphthalene	6.861	156	474839	47.43	ppb	99
48) Hexachlorocyclopentadiene	6.267	237	272439	114.58	ppb	99
49) 2,4,6-Trichlorophenol	6.406	196	150045	47.07	ppb	98
50) 2,4,5-Trichlorophenol	6.454	196	162497	48.98	ppb	99
52) 2-Chloronaphthalene	6.620	162	481636	44.74	ppb	99
53) Biphenyl	6.647	154	641457	46.53	ppb	99
54) 2-Nitroaniline	6.882	65	143841	43.71	ppb	99
55) Dimethylphthalate	7.283	163	580924	46.31	ppb	100
56) Acenaphthylene	7.246	152	757962	44.26	ppb	98
57) 2,6-Dinitrotoluene	7.348	165	125609	44.29	ppb	98
58) 3-Nitroaniline	7.529	138	126885	38.09	ppb	98
59) Acenaphthene	7.540	153	486869	44.70	ppb	99
60) 2,4-Dinitrophenol	7.690	184	127640	82.46	ppb	96
61) 4-Nitrophenol	7.888	109	65550	46.83	ppb	99
62) Dibenzofuran	7.797	168	684468	43.88	ppb	93
63) 2,4-Dinitrotoluene	7.936	165	177119	46.47	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.091	232	113021	46.11	ppb	97
65) Diethylphthalate	8.407	149	569304	46.39	ppb	99
66) Fluorene	8.326	166	581655	47.00	ppb	99
67) 4-Chlorophenyl-phenyle...	8.396	204	260180	44.70	ppb	98
68) 4-Nitroaniline	8.492	138	152997	45.66	ppb	97
70) 4,6-Dinitro-2-methylph...	8.551	198	89391	42.60	ppb	98
71) n-Nitrosodiphenylamine	8.610	169	416782	47.18	ppb	99
72) 1,2-Diphenylhydrazine	8.631	77	557399	46.42	ppb	98
74) 4-Bromophenyl-phenylether	9.139	248	141311	47.74	ppb	96
75) Hexachlorobenzene	9.300	284	146729	48.30	ppb	99
76) Pentachlorophenol	9.610	266	93912	50.29	ppb	97
77) Phenanthrene	9.787	178	816730	48.14	ppb	100
78) Anthracene	9.856	178	809602	48.77	ppb	100
79) Carbazole	10.172	167	806825	50.42	ppb	99
80) Di-n-butylphthalate	10.974	149	967159	50.49	ppb	100
81) Fluoranthene	11.594	202	859903	50.38	ppb	100
82) Octadecane	9.856	57	384634	48.73	ppb	98
84) Pyrene	11.878	202	894362	48.55	ppb	99
86) Butylbenzylphthalate	12.883	149	412968	50.16	ppb	95
88) Benzo[a]anthracene	13.311	228	750981	49.39	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30109.D
Acq On : 12 Oct 2010 10:59 am
Operator : olgaa
Sample : op46062-bs1
Misc : op46062,e3e1333,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 13 11:23:04 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) 3,3'-Dichlorobenzidine	13.359	252	186618	32.51	ppb	96
90) Chrysene	13.359	228	766083	48.09	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.568	149	555104	47.99	ppb	98
93) Di-n-octylphthalate	14.162	149	910727	47.78	ppb	99
94) Benzo[b]fluoranthene	14.376	252	781726	51.09	ppb	94
95) Benzo[k]fluoranthene	14.397	252	764566	44.05	ppb	97
96) Benzo[a]pyrene	14.643	252	680245	48.62	ppb	98
97) Indeno[1,2,3-cd]pyrene	15.520	276	814849	50.06	ppb	94
99) Dibenz[a,h]anthracene	15.542	278	670515	49.21	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.402	256	381035	55.97	ppb	98
101) Benzo[g,h,i]perylene	15.713	276	695642	52.55	ppb	96
103) Benzaldehyde	2.742	105	181002	44.04	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.214	216	206725	47.67	ppb	99
107) Atrazine	9.567	215	88519	57.15	ppb	94
108) Benzidine	11.872	184	157595	19.72	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52850.D
 Acq On : 14 Oct 2010 9:43 am
 Operator : ninap
 Sample : op46138-bs1
 Misc : op46138,ep2277,1000
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 14 12:09:29 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	121155	40.00	ppb	-0.06
24) Naphthalene-d8	6.75	136	433506	40.00	ppb	-0.06
47) Acenaphthene-d10	9.51	164	253425	40.00	ppb	-0.06
69) Phenanthrene-d10	11.81	188	401929	40.00	ppb	-0.05
83) Chrysene-d12	14.98	240	375834	40.00	ppb	-0.05
92) Perylene-d12	16.50	264	326579	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	4.94	152	121155	40.00	ppb	-0.06
104) Naphthalene-d8a	6.75	136	433506	40.00	ppb	-0.06
109) Phenanthrene-d10a	11.81	188	401929	40.00	ppb	-0.04
111) Acenaphthene-d10a	9.51	164	253425	40.00	ppb	-0.06
114) Chrysene-d12a	14.98	240	375834	40.00	ppb	-0.05
117) Naphthalene-d8b	6.75	136	433506	40.00	ppb	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	3.51	112	268521	53.77	ppb	-0.03
Spiked Amount	50.000		Recovery	=	107.54%	
8) Phenol-d5	4.54	99	244781	40.62	ppb	-0.03
Spiked Amount	50.000		Recovery	=	81.24%	
25) Nitrobenzene-d5	5.73	82	381588	86.62	ppb	-0.05
Spiked Amount	50.000		Recovery	=	173.24%	
51) 2-Fluorobiphenyl	8.46	172	682187	78.00	ppb	-0.06
Spiked Amount	50.000		Recovery	=	156.00%	
73) 2,4,6-Tribromophenol	10.79	330	101544	105.93	ppb	-0.05
Spiked Amount	50.000		Recovery	=	211.86%	
86) Terphenyl-d14	13.85	244	732919	89.09	ppb	-0.05
Spiked Amount	50.000		Recovery	=	178.18%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.21	88	52832	22.66	ppb	96
3) Pyridine	2.45	79	82296	14.46	ppb	90
4) N-Nitrosodimethylamine	2.43	74	91067	26.01	ppb	85
6) Indene	5.32	116	296580	53.07	ppb	98
7) Cumene	4.04	105	368901	37.97	ppb	98
9) Phenol	4.55	94	173435	29.71	ppb	95
10) Aniline	4.58	93	209573	32.47	ppb	88
11) bis(2-Chloroethyl)ether	4.64	93	217238	49.99	ppb	99
12) 2-Chlorophenol	4.72	128	237071	54.54	ppb	97
13) Decane	4.75	43	206034	48.30	ppb	94
14) 1,3-Dichlorobenzene	4.90	146	195019	39.02	ppb	98
15) 1,4-Dichlorobenzene	4.96	146	188432	41.77	ppb	97
16) Benzyl alcohol	5.15	108	128770	46.32	ppb	95
17) 1,2-Dichlorobenzene	5.21	146	196836	44.88	ppb	99
18) Acetophenone	5.51	105	337805	62.88	ppb	94
19) 2-Methylphenol	5.33	108	191923	54.22	ppb	97
20) 2,2'-oxybis(1-Chloropropan	5.36	121	70751	52.84	ppb	# 87
21) 3&4-Methylphenol	5.53	108	187379	49.46	ppb	98
22) n-Nitroso-di-n-propylamine	5.55	70	150901	55.27	ppb	94
23) Hexachloroethane	5.63	201	55377	37.22	ppb	97
26) Nitrobenzene	5.76	123	110470	53.49	ppb	93
27) Quinoline	7.30	129	450093	63.85	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52850.D
 Acq On : 14 Oct 2010 9:43 am
 Operator : ninap
 Sample : op46138-bs1
 Misc : op46138,ep2277,1000
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 14 12:09:29 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.08	82	504768	66.26	ppb	96
29) 2-Nitrophenol	6.22	139	144976	63.42	ppb	93
30) 2,4-Dimethylphenol	6.29	107	238020	69.73	ppb	97
31) Benzoic Acid	6.46	105	94135	33.01	ppb	99
32) bis(2-Chloroethoxy)methane	6.42	93	292870	63.10	ppb	100
33) 2,4-Dichlorophenol	6.57	162	202440	64.86	ppb	98
34) 2,6-Dichlorophenol	6.91	162	182879	61.06	ppb	99
36) 1,2,4-Trichlorobenzene	6.69	180	177368	46.71	ppb	99
38) Naphthalene	6.78	128	568336	51.96	ppb	99
39) 4-Chloroaniline	6.90	127	229392	47.75	ppb	98
40) 2,3-Dichloroaniline	8.34	161	223055	61.22	ppb	98
41) Caprolactam	7.38	55	31118	17.40	ppb	92
42) Hexachlorobutadiene	7.06	225	81481	44.50	ppb	99
43) 4-Chloro-3-methylphenol	7.68	107	226398	67.80	ppb	99
44) 2-Methylnaphthalene	7.84	142	442718	50.26	ppb	99
45) 1-Methylnaphthalene	8.01	142	461184	58.15	ppb	99
46) Dimethylnaphthalene	8.83	156	407312	60.27	ppb	98
48) Hexachlorocyclopentadiene	8.20	237	215029	131.66	ppb	99
49) 2,4,6-Trichlorophenol	8.34	196	134122	64.77	ppb	99
50) 2,4,5-Trichlorophenol	8.41	196	148312	66.48	ppb	99
52) 2-Chloronaphthalene	8.60	162	370554	51.06	ppb	99
53) Biphenyl	8.59	154	526664	56.71	ppb	99
54) 2-Nitroaniline	8.83	65	138240	63.52	ppb	95
55) Dimethylphthalate	9.18	163	526073	58.31	ppb	99
56) Acenaphthylene	9.26	152	655028	53.67	ppb	99
57) 2,6-Dinitrotoluene	9.28	89	56848	61.35	ppb	99
58) 3-Nitroaniline	9.50	138	122371	54.56	ppb	96
59) Acenaphthene	9.56	153	410786	58.01	ppb	98
60) 2,4-Dinitrophenol	9.66	184	154931	140.60	ppb	98
61) 4-Nitrophenol	9.82	109	38855	34.60	ppb	# 1
62) Dibenzofuran	9.82	168	590240	55.02	ppb	75
63) 2,4-Dinitrotoluene	9.90	165	156853	63.28	ppb	94
64) 2,3,4,6-Tetrachlorophenol	10.10	232	116979	60.02	ppb	97
65) Diethylphthalate	10.32	149	521952	58.21	ppb	100
66) Fluorene	10.37	166	488058	56.39	ppb	99
67) 4-Chlorophenyl-phenylether	10.38	204	204722	54.18	ppb	99
68) 4-Nitroaniline	10.49	138	136333	59.16	ppb	96
70) 4,6-Dinitro-2-methylphenol	10.56	198	103421	71.71	ppb	79
71) n-Nitrosodiphenylamine	10.59	169	353037	58.40	ppb	97
72) 1,2-Diphenylhydrazine	10.64	77	468332	61.22	ppb	98
74) 4-Bromophenyl-phenylether	11.16	248	145943	60.46	ppb	95
75) Hexachlorobenzene	11.37	284	149533	60.54	ppb	98
76) Pentachlorophenol	11.65	266	92361	63.29	ppb	98
77) Phenanthrene	11.84	178	667547	61.65	ppb	100
78) Anthracene	11.91	178	677001	60.73	ppb	100
79) Carbazole	12.15	167	709115	63.22	ppb	99
80) Di-n-butylphthalate	12.70	149	929033	64.56	ppb	99
81) Fluoranthene	13.39	202	823217	60.84	ppb	100
82) Octadecane	11.72	57	382484	71.14	ppb	96
84) Pyrene	13.65	202	804369	61.10	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52850.D
Acq On : 14 Oct 2010 9:43 am
Operator : ninap
Sample : op46138-bs1
Misc : op46138,ep2277,1000
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 14 12:09:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration

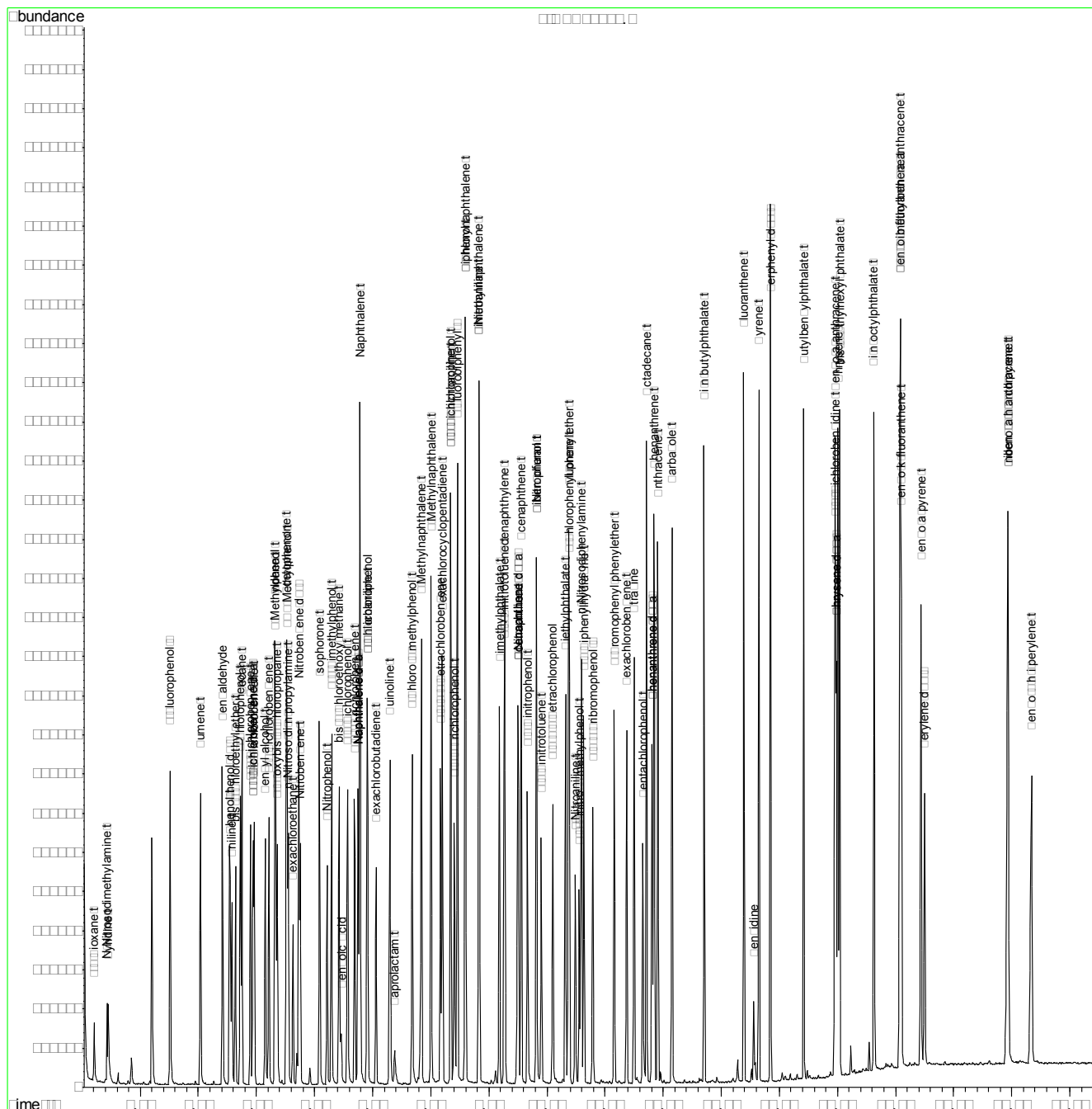
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Butylbenzylphthalate	14.42	149	403099	68.06	ppb	96
88) Benzo[a]anthracene	14.96	228	671941	61.13	ppb	100
89) 3,3'-Dichlorobenzidine	14.95	252	233479	54.74	ppb	99
90) Chrysene	15.01	228	600345	59.40	ppb	100
91) bis(2-Ethylhexyl)phthalate	15.04	149	454576	70.35	ppb	99
93) Di-n-octylphthalate	15.63	149	891559	70.73	ppb	99
94) Benzo[b]fluoranthene	16.07	252	701641	68.36	ppb	98
95) Benzo[k]fluoranthene	16.10	252	515652	63.15	ppb	100
96) Benzo[a]pyrene	16.44	252	601438	63.54	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.93	276	672093	64.09	ppb	98
99) Dibenz[a,h]anthracene	17.93	278	561502	65.92	ppb	99
100) 7,12-Dimethylbenz(a)anthra	16.09	256	294751	71.17	ppb	99
101) Benzo[g,h,i]perylene	18.34	276	586757	62.67	ppb	98
103) Benzaldehyde	4.41	105	198066	63.31	ppb	94
110) Atrazine	11.50	215	81284	68.05	ppb	93
112) 1,2,4,5-Tetrachlorobenzene	8.17	216	181694	54.87	ppb	100
115) Benzidine	13.56	184	96784	11.74	ppb	98

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

Quantitation Report (QT Reviewed)

```
Data Path   : C:\MSDCHEM\1\DATA\ep2277\
Data File   : P52850.D
Acq On      : 14 Oct 2010    9:43 am
Operator    : ninap
Sample      : op46138-bs1
Misc        : op46138,ep2277,1000
ALS Vial    : 6      Sample Multiplier: 1
```

Quant Time: Oct 14 12:09:29 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30110.D
 Acq On : 12 Oct 2010 11:24 am
 Operator : olgaa
 Sample : op46062-ms
 Misc : op46062,e3e1333,35.0
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:23:41 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	165696	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	623277	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	387167	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	609222	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	604218	40.00	ppb	0.00
92) Perylene-d12	14.691	264	522463	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	165696	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	387167	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	609222	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	604218	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	485748	87.79	ppb	0.00
Spiked Amount 50.000			Recovery =	175.58%		
8) Phenol-d5	2.903	99	608577	83.05	ppb	0.00
Spiked Amount 50.000			Recovery =	166.10%		
25) Nitrobenzene-d5	3.924	82	483898	79.16	ppb	0.00
Spiked Amount 50.000			Recovery =	158.32%		
51) 2-Fluorobiphenyl	6.534	172	1106760	82.58	ppb	0.00
Spiked Amount 50.000			Recovery =	165.16%		
73) 2,4,6-Tribromophenol	8.738	330	131192	109.35	ppb	0.00
Spiked Amount 50.000			Recovery =	218.70%		
85) Terphenyl-d14	12.199	244	1071473	94.11	ppb	0.00
Spiked Amount 50.000			Recovery =	188.22%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.047	88	53858	25.53	ppb	97
3) Pyridine	1.202	79	201170	35.91	ppb	98
4) N-Nitrosodimethylamine	1.196	74	134882	39.08	ppb	90
6) Indene	3.534	116	371223	42.65	ppb	98
7) Cumene	2.427	105	406715	35.48	ppb	98
9) Phenol	2.913	94	359095	43.80	ppb	91
10) Aniline	2.897	93	306261	34.85	ppb	88
11) bis(2-Chloroethyl)ether	2.978	93	236025	40.84	ppb	95
12) 2-Chlorophenol	3.010	128	279653	45.00	ppb	98
13) Decane	3.090	43	239259	35.52	ppb	94
14) 1,3-Dichlorobenzene	3.159	146	277080	42.19	ppb	100
15) 1,4-Dichlorobenzene	3.224	146	283113	41.94	ppb	99
16) Benzyl alcohol	3.422	108	188629	44.35	ppb	99
17) 1,2-Dichlorobenzene	3.438	146	267013	42.28	ppb	96
18) Acetophenone	3.742	105	384761	47.40	ppb	95
19) 2-Methylphenol	3.609	108	251484	45.52	ppb	94
20) 2,2'-oxybis(1-Chloropr...	3.625	121	98613	43.21	ppb	# 81
21) 3&4-Methylphenol	3.801	108	267099	44.39	ppb	99
22) n-Nitroso-di-n-propyla...	3.801	70	169793	40.28	ppb	93
23) Hexachloroethane	3.812	201	88054	42.36	ppb	92
26) Nitrobenzene	3.946	123	141913	44.56	ppb	98
27) Quinoline	5.379	129	594748	53.69	ppb	99
28) Isophorone	4.267	82	501384	46.93	ppb	98
29) 2-Nitrophenol	4.374	139	141325	42.76	ppb	# 75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30110.D
 Acq On : 12 Oct 2010 11:24 am
 Operator : olgaa
 Sample : op46062-ms
 Misc : op46062,e3e1333,35.0
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:23:41 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.507	107	268276	49.38	ppb	99
31) Benzoic acid	4.705	105	120643	29.56	ppb #	78
32) bis(2-Chloroethoxy)met...	4.636	93	306600	46.70	ppb	99
33) 2,4-Dichlorophenol	4.705	162	230609	47.28	ppb	99
34) 2,6-Dichlorophenol	5.037	162	227204	47.06	ppb	99
36) 1,2,4-Trichlorobenzene	4.812	180	227811	45.16	ppb	99
38) Naphthalene	4.876	128	808583	44.43	ppb	100
39) 4-Chloroaniline	5.042	127	276886	36.23	ppb	100
40) 2,3-Dichloroaniline	6.401	161	265911	46.98	ppb	99
41) Caprolactam	5.513	55	138156	46.90	ppb	95
42) Hexachlorobutadiene	5.187	225	119270	46.22	ppb	97
43) 4-Chloro-3-methylphenol	5.834	107	237105	46.07	ppb	93
44) 2-Methylnaphthalene	5.898	142	526073	42.96	ppb	99
45) 1-Methylnaphthalene	6.053	142	546285	48.15	ppb	98
46) Dimethylnaphthalene	6.861	156	510569	49.92	ppb	97
48) Hexachlorocyclopentadiene	6.267	237	287589	117.45	ppb	99
49) 2,4,6-Trichlorophenol	6.406	196	160206	48.80	ppb	94
50) 2,4,5-Trichlorophenol	6.454	196	171181	50.11	ppb	99
52) 2-Chloronaphthalene	6.620	162	510158	46.01	ppb	98
53) Biphenyl	6.647	154	695044	48.96	ppb	99
54) 2-Nitroaniline	6.882	65	148313	43.77	ppb	96
55) Dimethylphthalate	7.283	163	611313	47.32	ppb	99
56) Acenaphthylene	7.246	152	797436	45.22	ppb	99
57) 2,6-Dinitrotoluene	7.347	165	133690	45.78	ppb	100
58) 3-Nitroaniline	7.535	138	134483	39.20	ppb	98
59) Acenaphthene	7.540	153	514082	45.83	ppb	98
60) 2,4-Dinitrophenol	7.690	184	129542	81.35	ppb	96
61) 4-Nitrophenol	7.888	109	66993	46.48	ppb	95
62) Dibenzofuran	7.797	168	728715	45.37	ppb	93
63) 2,4-Dinitrotoluene	7.936	165	181558	46.25	ppb	97
64) 2,3,4,6-Tetrachlorophenol	8.091	232	118484	46.94	ppb	99
65) Diethylphthalate	8.406	149	586310	46.39	ppb	99
66) Fluorene	8.326	166	606835	47.61	ppb	98
67) 4-Chlorophenyl-phenyle...	8.396	204	277184	46.25	ppb	99
68) 4-Nitroaniline	8.492	138	158926	46.06	ppb	99
70) 4,6-Dinitro-2-methylph...	8.551	198	91226	42.28	ppb	99
71) n-Nitrosodiphenylamine	8.610	169	437438	48.15	ppb	98
72) 1,2-Diphenylhydrazine	8.631	77	580708	47.03	ppb	99
74) 4-Bromophenyl-phenylether	9.139	248	149322	49.05	ppb	95
75) Hexachlorobenzene	9.300	284	154082	49.32	ppb	99
76) Pentachlorophenol	9.610	266	96855	50.44	ppb	98
77) Phenanthrene	9.786	178	840365	48.16	ppb	100
78) Anthracene	9.851	178	836865	49.02	ppb	99
79) Carbazole	10.171	167	836330	50.82	ppb	100
80) Di-n-butylphthalate	10.974	149	1007053	51.12	ppb	100
81) Fluoranthene	11.600	202	901019	51.33	ppb	99
82) Octadecane	9.856	57	415093	51.14	ppb	99
84) Pyrene	11.878	202	934960	48.58	ppb	99
86) Butylbenzylphthalate	12.878	149	437574	50.87	ppb	99
88) Benzo[a]anthracene	13.311	228	786856	49.54	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30110.D
Acq On : 12 Oct 2010 11:24 am
Operator : olgaa
Sample : op46062-ms
Misc : op46062,e3e1333,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:23:41 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration

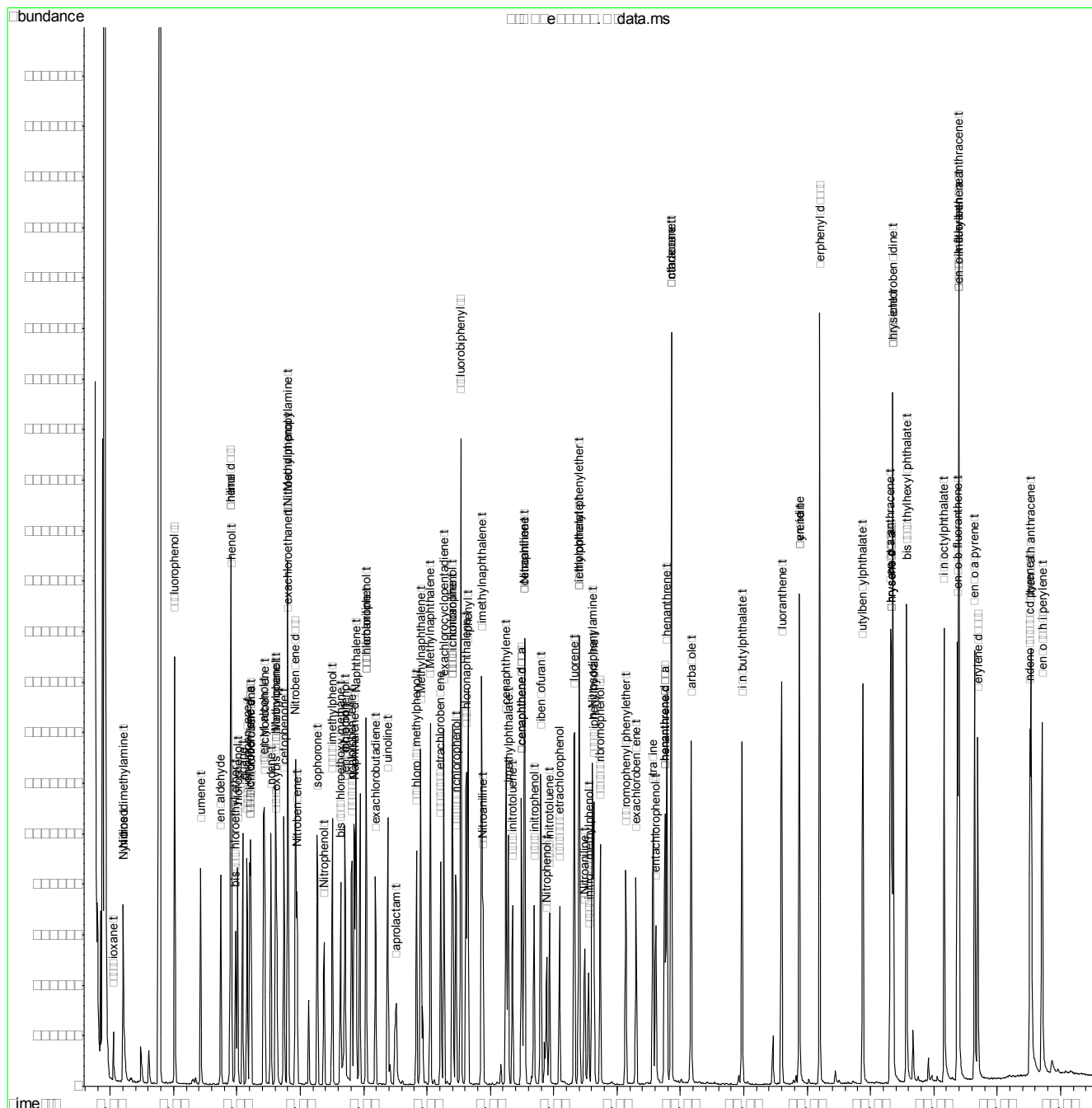
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) 3,3'-Dichlorobenzidine	13.359	252	188499	31.45	ppb	98
90) Chrysene	13.354	228	797216	47.91	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.568	149	592937	49.06	ppb	98
93) Di-n-octylphthalate	14.162	149	978302	49.09	ppb	99
94) Benzo[b]fluoranthene	14.370	252	732349	46.02	ppb	98
95) Benzo[k]fluoranthene	14.397	252	873767	48.18	ppb	98
96) Benzo[a]pyrene	14.643	252	709282	48.52	ppb	98
97) Indeno[1,2,3-cd]pyrene	15.520	276	850674	50.02	ppb	92
99) Dibenz[a,h]anthracene	15.536	278	713874	50.14	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.397	256	378478	53.16	ppb	98
101) Benzo[g,h,i]perylene	15.713	276	711462	51.44	ppb	97
103) Benzaldehyde	2.742	105	197406	47.10	ppb	98
105) 1,2,4,5-Tetrachloroben...	6.213	216	215639	48.28	ppb	99
107) Atrazine	9.567	215	94884	59.57	ppb	92
108) Benzidine	11.872	184	105901	14.06	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30110.D
Acq On : 12 Oct 2010 11:24 am
Operator : olgaa
Sample : op46062-ms
Misc : op46062,e3e1333,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 13 11:23:41 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30111.D
 Acq On : 12 Oct 2010 11:48 am
 Operator : olgaa
 Sample : op46062-msd
 Misc : op46062,e3e1333,35.0
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:24:08 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	163069	40.00	ppb	0.00
24) Naphthalene-d8	4.849	136	627327	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	394867	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	626369	40.00	ppb	0.00
83) Chrysene-d12	13.332	240	619998	40.00	ppb	0.00
92) Perylene-d12	14.691	264	544378	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	163069	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	394867	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	626369	40.00	ppb	0.00
109) Chrysene-d12a	13.332	240	619998	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	458714	84.24	ppb	0.00
Spiked Amount 50.000			Recovery	=	168.48%	
8) Phenol-d5	2.903	99	594254	82.40	ppb	0.00
Spiked Amount 50.000			Recovery	=	164.80%	
25) Nitrobenzene-d5	3.924	82	451362	73.36	ppb	0.00
Spiked Amount 50.000			Recovery	=	146.72%	
51) 2-Fluorobiphenyl	6.534	172	1074320	78.59	ppb	0.00
Spiked Amount 50.000			Recovery	=	157.18%	
73) 2,4,6-Tribromophenol	8.738	330	134005	108.64	ppb	0.00
Spiked Amount 50.000			Recovery	=	217.28%	
85) Terphenyl-d14	12.198	244	1040653	89.08	ppb	0.00
Spiked Amount 50.000			Recovery	=	178.16%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.047	88	46920	22.60	ppb	98
3) Pyridine	1.202	79	181129	32.85	ppb	97
4) N-Nitrosodimethylamine	1.196	74	123494	36.36	ppb	86
6) Indene	3.534	116	335598	39.17	ppb	97
7) Cumene	2.427	105	368971	32.71	ppb	99
9) Phenol	2.913	94	335894	41.63	ppb	90
10) Aniline	2.897	93	286476	33.13	ppb	92
11) bis(2-Chloroethyl)ether	2.977	93	221477	38.94	ppb	89
12) 2-Chlorophenol	3.010	128	256530	41.95	ppb	98
13) Decane	3.084	43	214463	32.36	ppb	97
14) 1,3-Dichlorobenzene	3.159	146	252461	39.06	ppb	97
15) 1,4-Dichlorobenzene	3.223	146	258525	38.91	ppb	97
16) Benzyl alcohol	3.421	108	179158	42.80	ppb	99
17) 1,2-Dichlorobenzene	3.437	146	248216	39.94	ppb	99
18) Acetophenone	3.742	105	357999	44.81	ppb	96
19) 2-Methylphenol	3.609	108	236868	43.57	ppb	95
20) 2,2'-oxybis(1-Chloropr...	3.625	121	90987	40.51	ppb	89
21) 3&4-Methylphenol	3.801	108	251683	42.50	ppb	100
22) n-Nitroso-di-n-propyla...	3.801	70	163794	39.48	ppb	94
23) Hexachloroethane	3.812	201	82186	40.17	ppb	95
26) Nitrobenzene	3.946	123	135984	42.42	ppb	98
27) Quinoline	5.379	129	571127	51.23	ppb	98
28) Isophorone	4.266	82	483944	45.00	ppb	97
29) 2-Nitrophenol	4.373	139	131118	39.42	ppb #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30111.D
 Acq On : 12 Oct 2010 11:48 am
 Operator : olgaa
 Sample : op46062-msd
 Misc : op46062,e3e1333,35.0
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:24:08 2010

Quant Method : C:\msdchem\1\METHODS\M3E1331.M

Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um

QLast Update : Tue Oct 12 11:17:46 2010

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.507	107	254831	46.60	ppb	99
31) Benzoic acid	4.742	105	12526	3.05	ppb	76
32) bis(2-Chloroethoxy)met...	4.636	93	290789	44.01	ppb	99
33) 2,4-Dichlorophenol	4.705	162	220268	44.87	ppb	97
34) 2,6-Dichlorophenol	5.037	162	217812	44.83	ppb	99
36) 1,2,4-Trichlorobenzene	4.812	180	213440	42.04	ppb	99
38) Naphthalene	4.876	128	769512	42.01	ppb	99
39) 4-Chloroaniline	5.042	127	275511	35.82	ppb	99
40) 2,3-Dichloroaniline	6.401	161	261000	45.82	ppb	96
41) Caprolactam	5.507	55	132712	44.76	ppb	93
42) Hexachlorobutadiene	5.186	225	111902	43.09	ppb	99
43) 4-Chloro-3-methylphenol	5.834	107	228547	44.12	ppb	# 68
44) 2-Methylnaphthalene	5.898	142	506708	41.11	ppb	98
45) 1-Methylnaphthalene	6.053	142	518486	45.41	ppb	100
46) Dimethylnaphthalene	6.861	156	486856	47.29	ppb	99
48) Hexachlorocyclopentadiene	6.267	237	269608	107.96	ppb	98
49) 2,4,6-Trichlorophenol	6.406	196	152824	45.65	ppb	97
50) 2,4,5-Trichlorophenol	6.454	196	164122	47.10	ppb	99
52) 2-Chloronaphthalene	6.620	162	497854	44.03	ppb	99
53) Biphenyl	6.647	154	667322	46.09	ppb	100
54) 2-Nitroaniline	6.882	65	149287	43.20	ppb	98
55) Dimethylphthalate	7.283	163	609043	46.23	ppb	99
56) Acenaphthylene	7.246	152	777999	43.26	ppb	99
57) 2,6-Dinitrotoluene	7.347	165	135237	45.40	ppb	97
58) 3-Nitroaniline	7.534	138	133803	38.24	ppb	98
59) Acenaphthene	7.540	153	505590	44.19	ppb	100
60) 2,4-Dinitrophenol	7.690	184	127090	78.47	ppb	95
61) 4-Nitrophenol	7.887	109	63940	43.50	ppb	97
62) Dibenzofuran	7.797	168	724072	44.20	ppb	93
63) 2,4-Dinitrotoluene	7.936	165	182731	45.65	ppb	95
64) 2,3,4,6-Tetrachlorophenol	8.091	232	115751	44.96	ppb	99
65) Diethylphthalate	8.406	149	575342	44.63	ppb	97
66) Fluorene	8.326	166	600100	46.17	ppb	98
67) 4-Chlorophenyl-phenyle...	8.396	204	273520	44.75	ppb	98
68) 4-Nitroaniline	8.492	138	153557	43.64	ppb	99
70) 4,6-Dinitro-2-methylph...	8.551	198	88576	39.93	ppb	99
71) n-Nitrosodiphenylamine	8.610	169	436178	46.70	ppb	98
72) 1,2-Diphenylhydrazine	8.631	77	574643	45.26	ppb	98
74) 4-Bromophenyl-phenylether	9.139	248	149176	47.66	ppb	94
75) Hexachlorobenzene	9.300	284	153481	47.78	ppb	98
76) Pentachlorophenol	9.610	266	96942	49.10	ppb	98
77) Phenanthrene	9.786	178	837745	46.70	ppb	99
78) Anthracene	9.856	178	838288	47.76	ppb	99
79) Carbazole	10.171	167	836006	49.41	ppb	99
80) Di-n-butylphthalate	10.974	149	997984	49.28	ppb	99
81) Fluoranthene	11.599	202	881932	48.87	ppb	99
82) Octadecane	9.856	57	399820	47.91	ppb	98
84) Pyrene	11.878	202	919615	46.57	ppb	100
86) Butylbenzylphthalate	12.878	149	433326	49.10	ppb	99
88) Benzo[a]anthracene	13.316	228	788174	48.36	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30111.D
Acq On : 12 Oct 2010 11:48 am
Operator : olgaa
Sample : op46062-msd
Misc : op46062,e3e1333,35.0
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:24:08 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration

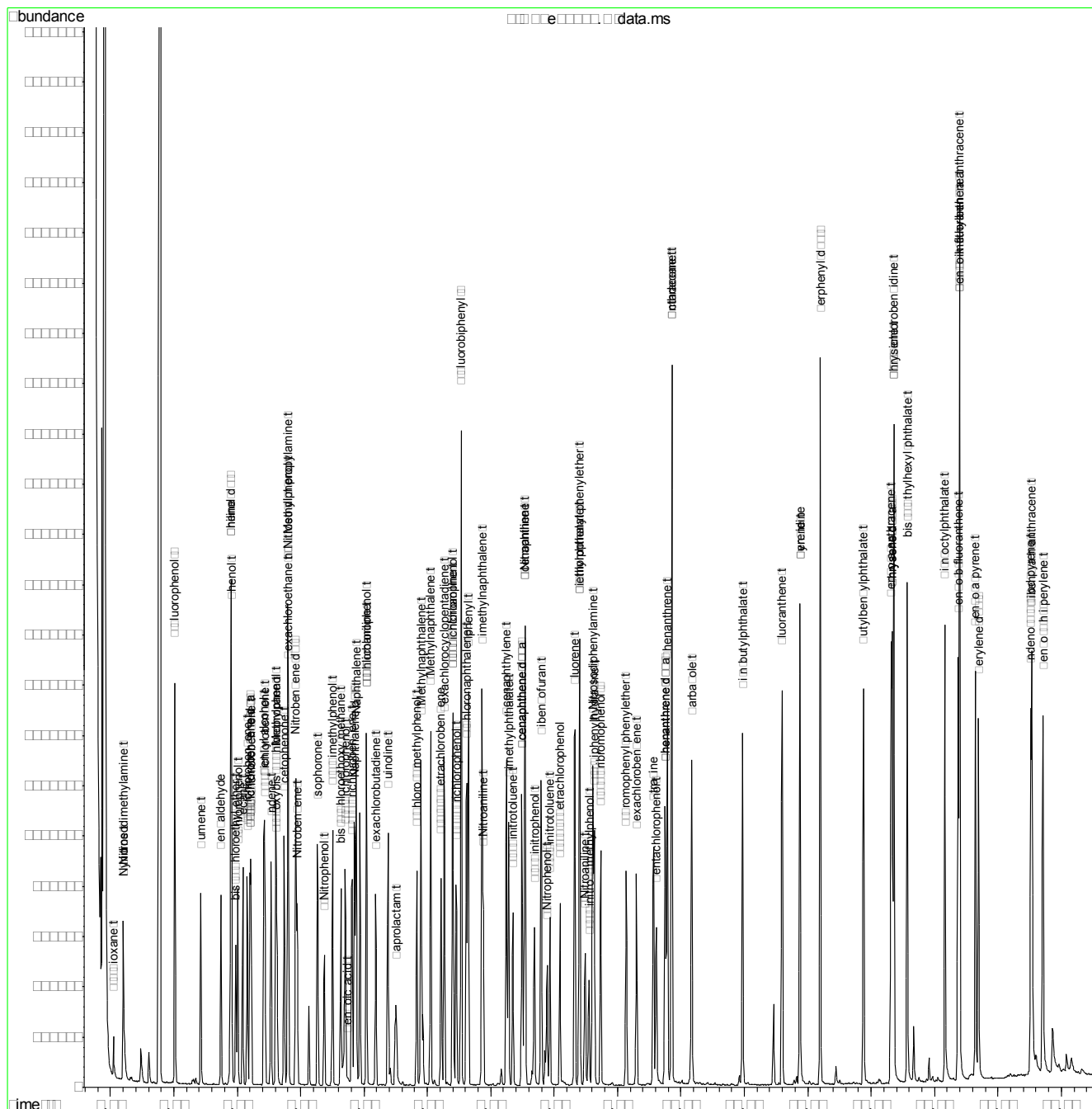
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) 3,3'-Dichlorobenzidine	13.359	252	199975	32.50	ppb	98
90) Chrysene	13.354	228	781823	45.78	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.568	149	584153	47.10	ppb	99
93) Di-n-octylphthalate	14.161	149	993115	47.86	ppb	99
94) Benzo[b]fluoranthene	14.370	252	727616	43.97	ppb	98
95) Benzo[k]fluoranthene	14.397	252	856084	45.31	ppb	98
96) Benzo[a]pyrene	14.643	252	727733	47.78	ppb	99
97) Indeno[1,2,3-cd]pyrene	15.520	276	843791	47.62	ppb	95
99) Dibenz[a,h]anthracene	15.536	278	706837	47.67	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.397	256	366990	49.41	ppb	98
101) Benzo[g,h,i]perylene	15.713	276	704706	48.90	ppb	95
103) Benzaldehyde	2.742	105	178962	43.38	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.219	216	209427	45.98	ppb	98
107) Atrazine	9.572	215	92952	56.76	ppb	84
108) Benzidine	11.872	184	140131	17.07	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30111.D
Acq On : 12 Oct 2010 11:48 am
Operator : olgaa
Sample : op46062-msd
Misc : op46062,e3e1333,35.0
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 13 11:24:08 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration



M3E1331.M Wed Oct 13 11:24:22 2010 3E

Page: 4

8.4.2

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52855.D
 Acq On : 14 Oct 2010 12:01 pm
 Operator : ninap
 Sample : op46138-ms
 Misc : op46138,ep2277,485
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 14 12:55:41 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	121751	40.00	ppb	-0.06
24) Naphthalene-d8	6.75	136	439768	40.00	ppb	-0.06
47) Acenaphthene-d10	9.51	164	251143	40.00	ppb	-0.06
69) Phenanthrene-d10	11.81	188	406785	40.00	ppb	-0.06
83) Chrysene-d12	14.98	240	383779	40.00	ppb	-0.06
92) Perylene-d12	16.50	264	339790	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	4.94	152	121751	40.00	ppb	-0.06
104) Naphthalene-d8a	6.75	136	439768	40.00	ppb	-0.06
109) Phenanthrene-d10a	11.81	188	406785	40.00	ppb	-0.04
111) Acenaphthene-d10a	9.51	164	251143	40.00	ppb	-0.06
114) Chrysene-d12a	14.98	240	383779	40.00	ppb	-0.06
117) Naphthalene-d8b	6.75	136	439768	40.00	ppb	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	3.51	112	324587	64.68	ppb	-0.03
Spiked Amount	50.000		Recovery	=	129.36%	
8) Phenol-d5	4.54	99	368875	60.91	ppb	-0.03
Spiked Amount	50.000		Recovery	=	121.82%	
25) Nitrobenzene-d5	5.73	82	370641	82.94	ppb	-0.05
Spiked Amount	50.000		Recovery	=	165.88%	
51) 2-Fluorobiphenyl	8.46	172	662205	76.40	ppb	-0.06
Spiked Amount	50.000		Recovery	=	152.80%	
73) 2,4,6-Tribromophenol	10.79	330	99145	102.19	ppb	-0.06
Spiked Amount	50.000		Recovery	=	204.38%	
86) Terphenyl-d14	13.85	244	740413	88.13	ppb	-0.05
Spiked Amount	50.000		Recovery	=	176.26%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.21	88	73426	31.33	ppb	98
3) Pyridine	2.45	79	113832	19.90	ppb	90
4) N-Nitrosodimethylamine	2.42	74	130486	37.08	ppb	86
6) Indene	5.32	116	291280	51.87	ppb	99
7) Cumene	4.04	105	368118	37.71	ppb	97
9) Phenol	4.55	94	206847	35.26	ppb	97
10) Aniline	4.58	93	249959	38.54	ppb	86
11) bis(2-Chloroethyl)ether	4.64	93	206638	47.32	ppb	97
12) 2-Chlorophenol	4.72	128	189799	43.45	ppb	97
13) Decane	4.75	43	204555	47.72	ppb	93
14) 1,3-Dichlorobenzene	4.90	146	188270	37.49	ppb	99
15) 1,4-Dichlorobenzene	4.96	146	181160	39.96	ppb	98
16) Benzyl alcohol	5.15	108	145000	51.90	ppb	92
17) 1,2-Dichlorobenzene	5.21	146	187394	42.52	ppb	97
18) Acetophenone	5.51	105	328627	60.88	ppb	93
19) 2-Methylphenol	5.33	108	160754	45.19	ppb	99
20) 2,2'-oxybis(1-Chloropropan	5.35	121	67442	50.12	ppb	# 80
21) 3&4-Methylphenol	5.53	108	170976	44.91	ppb	98
22) n-Nitroso-di-n-propylamine	5.55	70	147963	53.92	ppb	97
23) Hexachloroethane	5.63	201	55671	37.23	ppb	96
26) Nitrobenzene	5.75	123	106606	50.89	ppb	90
27) Quinoline	7.30	129	465276	65.06	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52855.D
 Acq On : 14 Oct 2010 12:01 pm
 Operator : ninap
 Sample : op46138-ms
 Misc : op46138,ep2277,485
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 14 12:55:41 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.08	82	488246	63.18	ppb	97
29) 2-Nitrophenol	6.21	139	113400	48.90	ppb	94
30) 2,4-Dimethylphenol	6.29	107	192932	55.71	ppb	97
31) Benzoic Acid	6.47	105	118835	39.68	ppb	100
32) bis(2-Chloroethoxy)methane	6.42	93	283572	60.23	ppb	99
33) 2,4-Dichlorophenol	6.57	162	162182	51.23	ppb	98
34) 2,6-Dichlorophenol	6.91	162	143655	47.28	ppb	98
36) 1,2,4-Trichlorobenzene	6.69	180	174524	45.30	ppb	99
38) Naphthalene	6.77	128	544507	49.07	ppb	99
39) 4-Chloroaniline	6.90	127	232668	47.74	ppb	98
40) 2,3-Dichloroaniline	8.34	161	220750	59.72	ppb	99
41) Caprolactam	7.37	55	54636	29.07	ppb	96
42) Hexachlorobutadiene	7.06	225	83391	44.89	ppb	99
43) 4-Chloro-3-methylphenol	7.68	107	181311	53.52	ppb	97
44) 2-Methylnaphthalene	7.84	142	430007	48.12	ppb	97
45) 1-Methylnaphthalene	8.01	142	453660	56.39	ppb	98
46) Dimethylnaphthalene	8.83	156	397010	57.91	ppb	98
48) Hexachlorocyclopentadiene	8.20	237	214714	132.66	ppb	100
49) 2,4,6-Trichlorophenol	8.34	196	106932	52.11	ppb	98
50) 2,4,5-Trichlorophenol	8.40	196	115891	52.42	ppb	100
52) 2-Chloronaphthalene	8.60	162	361134	50.21	ppb	99
53) Biphenyl	8.59	154	515585	56.02	ppb	100
54) 2-Nitroaniline	8.82	65	134726	62.47	ppb	92
55) Dimethylphthalate	9.18	163	519012	58.05	ppb	99
56) Acenaphthylene	9.26	152	635274	52.52	ppb	99
57) 2,6-Dinitrotoluene	9.28	89	56845	61.90	ppb	93
58) 3-Nitroaniline	9.49	138	121727	54.77	ppb	94
59) Acenaphthene	9.56	153	401296	57.18	ppb	99
60) 2,4-Dinitrophenol	9.66	184	134506	124.14	ppb	98
61) 4-Nitrophenol	9.81	109	43548	38.90	ppb	# 1
62) Dibenzofuran	9.82	168	574870	54.07	ppb	75
63) 2,4-Dinitrotoluene	9.90	165	153947	62.67	ppb	96
64) 2,3,4,6-Tetrachlorophenol	10.10	232	93836	48.58	ppb	97
65) Diethylphthalate	10.32	149	518882	58.40	ppb	99
66) Fluorene	10.37	166	479218	55.87	ppb	100
67) 4-Chlorophenyl-phenylether	10.38	204	203125	54.24	ppb	99
68) 4-Nitroaniline	10.49	138	132902	58.19	ppb	97
70) 4,6-Dinitro-2-methylphenol	10.56	198	80781	55.34	ppb	93
71) n-Nitrosodiphenylamine	10.59	169	352401	57.60	ppb	99
72) 1,2-Diphenylhydrazine	10.64	77	458954	59.28	ppb	100
74) 4-Bromophenyl-phenylether	11.15	248	145573	59.59	ppb	98
75) Hexachlorobenzene	11.37	284	145724	58.29	ppb	96
76) Pentachlorophenol	11.65	266	73891	50.03	ppb	98
77) Phenanthrene	11.84	178	656008	59.86	ppb	99
78) Anthracene	11.91	178	670057	59.39	ppb	99
79) Carbazole	12.15	167	700299	61.69	ppb	100
80) Di-n-butylphthalate	12.70	149	912679	62.67	ppb	100
81) Fluoranthene	13.39	202	811591	59.26	ppb	99
82) Octadecane	11.72	57	380555	69.94	ppb	96
84) Pyrene	13.64	202	785145	58.40	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52855.D
Acq On : 14 Oct 2010 12:01 pm
Operator : ninap
Sample : op46138-ms
Misc : op46138,ep2277,485
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 14 12:55:41 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration

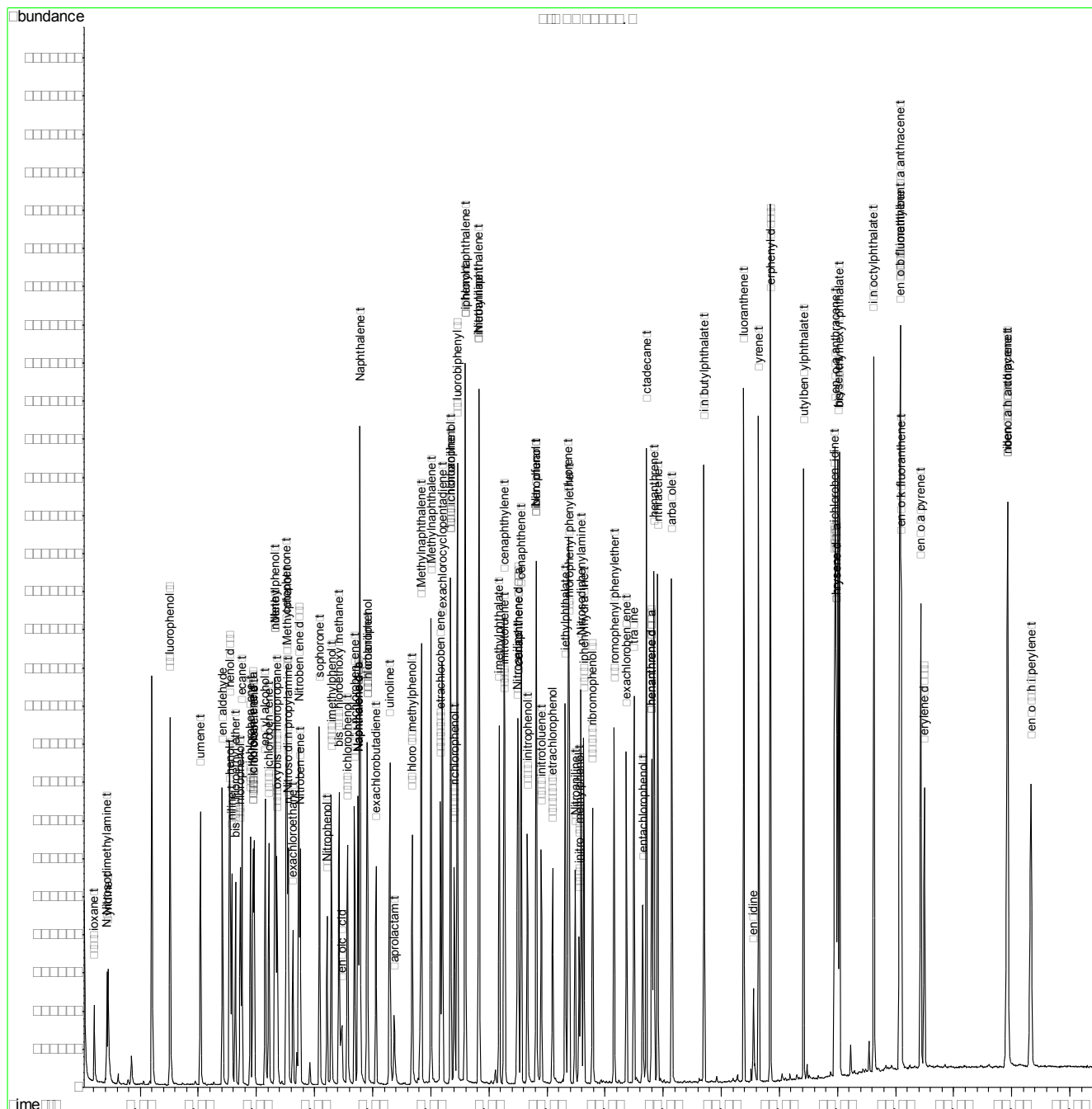
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Butylbenzylphthalate	14.42	149	399570	66.06	ppb	98
88) Benzo[a]anthracene	14.96	228	673378	59.99	ppb	100
89) 3,3'-Dichlorobenzidine	14.95	252	222151	51.01	ppb	99
90) Chrysene	15.01	228	598768	58.02	ppb	99
91) bis(2-Ethylhexyl)phthalate	15.03	149	451967	68.50	ppb	98
93) Di-n-octylphthalate	15.63	149	897781	68.45	ppb	97
94) Benzo[b]fluoranthene	16.07	252	685674	64.21	ppb	98
95) Benzo[k]fluoranthene	16.10	252	557976	67.20	ppb	97
96) Benzo[a]pyrene	16.43	252	616474	62.60	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.93	276	677088	62.05	ppb	97
99) Dibenz[a,h]anthracene	17.93	278	567494	64.03	ppb	99
100) 7,12-Dimethylbenz(a)anthra	16.08	256	300645	69.77	ppb	99
101) Benzo[g,h,i]perylene	18.33	276	599115	61.50	ppb	97
103) Benzaldehyde	4.41	105	189642	60.32	ppb	94
110) Atrazine	11.50	215	79461	65.73	ppb	94
112) 1,2,4,5-Tetrachlorobenzene	8.17	216	177154	53.99	ppb	100
115) Benzidine	13.55	184	114045	13.59	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52855.D
Acq On : 14 Oct 2010 12:01 pm
Operator : ninap
Sample : op46138-ms
Misc : op46138,ep2277,485
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 14 12:55:41 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52856.D
 Acq On : 14 Oct 2010 12:29 pm
 Operator : ninap
 Sample : op46138-msd
 Misc : op46138,ep2277,485
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 14 13:09:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Oct 14 12:24:03 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	123080	40.00	ppb	-0.01
24) Naphthalene-d8	6.75	136	452828	40.00	ppb	-0.01
47) Acenaphthene-d10	9.51	164	258660	40.00	ppb	-0.02
69) Phenanthrene-d10	11.81	188	415976	40.00	ppb	-0.02
83) Chrysene-d12	14.98	240	391242	40.00	ppb	-0.02
92) Perylene-d12	16.50	264	349603	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.94	152	123080	40.00	ppb	-0.01
104) Naphthalene-d8a	6.75	136	452828	40.00	ppb	-0.01
109) Phenanthrene-d10a	11.81	188	415976	40.00	ppb	-0.02
111) Acenaphthene-d10a	9.51	164	258660	40.00	ppb	-0.02
114) Chrysene-d12a	14.98	240	391242	40.00	ppb	-0.02
117) Naphthalene-d8b	6.75	136	452828	40.00	ppb	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	3.51	112	327109	64.47	ppb	-0.01
Spiked Amount	50.000		Recovery	=	128.94%	
8) Phenol-d5	4.54	99	351801	57.47	ppb	-0.01
Spiked Amount	50.000		Recovery	=	114.94%	
25) Nitrobenzene-d5	5.73	82	387195	84.14	ppb	-0.01
Spiked Amount	50.000		Recovery	=	168.28%	
51) 2-Fluorobiphenyl	8.46	172	689084	77.19	ppb	-0.01
Spiked Amount	50.000		Recovery	=	154.38%	
73) 2,4,6-Tribromophenol	10.79	330	101457	102.26	ppb	-0.01
Spiked Amount	50.000		Recovery	=	204.52%	
86) Terphenyl-d14	13.85	244	762403	89.02	ppb	-0.01
Spiked Amount	50.000		Recovery	=	178.04%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.21	88	70515	29.76	ppb	97
3) Pyridine	2.45	79	120867	20.90	ppb	90
4) N-Nitrosodimethylamine	2.43	74	128740	36.19	ppb	84
6) Indene	5.32	116	303420	53.45	ppb	98
7) Cumene	4.03	105	383197	38.83	ppb	98
9) Phenol	4.55	94	204250	34.44	ppb	96
10) Aniline	4.58	93	248024	37.83	ppb	86
11) bis(2-Chloroethyl)ether	4.64	93	220749	50.00	ppb	97
12) 2-Chlorophenol	4.72	128	197610	44.75	ppb	99
13) Decane	4.75	43	216938	50.07	ppb	94
14) 1,3-Dichlorobenzene	4.90	146	203141	40.01	ppb	99
15) 1,4-Dichlorobenzene	4.96	146	193387	42.20	ppb	99
16) Benzyl alcohol	5.15	108	145974	51.69	ppb	91
17) 1,2-Dichlorobenzene	5.21	146	202426	45.44	ppb	99
18) Acetophenone	5.51	105	339133	62.14	ppb	95
19) 2-Methylphenol	5.33	108	163433	45.45	ppb	99
20) 2,2'-oxybis(1-Chloropropan	5.36	121	70901	52.12	ppb	89
21) 3&4-Methylphenol	5.53	108	172847	44.91	ppb	99
22) n-Nitroso-di-n-propylamine	5.54	70	152936	55.13	ppb	93
23) Hexachloroethane	5.63	201	60062	39.74	ppb	96
26) Nitrobenzene	5.76	123	111055	51.48	ppb	97
27) Quinoline	7.30	129	469382	63.74	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52856.D
 Acq On : 14 Oct 2010 12:29 pm
 Operator : ninap
 Sample : op46138-msd
 Misc : op46138,ep2277,485
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 14 13:09:03 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Oct 14 12:24:03 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.08	82	513946	64.59	ppb	97
29) 2-Nitrophenol	6.21	139	117964	49.40	ppb	94
30) 2,4-Dimethylphenol	6.29	107	200958	56.36	ppb	98
31) Benzoic Acid	6.47	105	117335	38.29	ppb	99
32) bis(2-Chloroethoxy)methane	6.42	93	300840	62.05	ppb	99
33) 2,4-Dichlorophenol	6.57	162	166866	51.18	ppb	98
34) 2,6-Dichlorophenol	6.91	162	147942	47.29	ppb	98
36) 1,2,4-Trichlorobenzene	6.69	180	184933	46.62	ppb	98
38) Naphthalene	6.77	128	572222	50.08	ppb	100
39) 4-Chloroaniline	6.90	127	236372	47.11	ppb	98
40) 2,3-Dichloroaniline	8.34	161	228901	60.14	ppb	98
41) Caprolactam	7.37	55	51472	26.72	ppb	96
42) Hexachlorobutadiene	7.06	225	90371	47.25	ppb	98
43) 4-Chloro-3-methylphenol	7.68	107	190459	54.60	ppb	98
44) 2-Methylnaphthalene	7.84	142	451653	49.08	ppb	99
45) 1-Methylnaphthalene	8.01	142	470635	56.81	ppb	99
46) Dimethylnaphthalene	8.83	156	414063	58.65	ppb	99
48) Hexachlorocyclopentadiene	8.20	237	227969	136.75	ppb	99
49) 2,4,6-Trichlorophenol	8.34	196	111242	52.63	ppb	98
50) 2,4,5-Trichlorophenol	8.40	196	123281	54.14	ppb	98
52) 2-Chloronaphthalene	8.60	162	372603	50.30	ppb	99
53) Biphenyl	8.59	154	540782	57.05	ppb	99
54) 2-Nitroaniline	8.83	65	141662	63.78	ppb	97
55) Dimethylphthalate	9.18	163	539457	58.58	ppb	99
56) Acenaphthylene	9.26	152	666209	53.48	ppb	99
57) 2,6-Dinitrotoluene	9.28	89	58480	61.83	ppb	98
58) 3-Nitroaniline	9.49	138	125337	54.75	ppb	94
59) Acenaphthene	9.56	153	416962	57.69	ppb	98
60) 2,4-Dinitrophenol	9.66	184	142799	127.72	ppb	98
61) 4-Nitrophenol	9.81	109	43825	38.05	ppb #	1
62) Dibenzofuran	9.82	168	597232	54.54	ppb	76
63) 2,4-Dinitrotoluene	9.90	165	159974	63.23	ppb	95
64) 2,3,4,6-Tetrachlorophenol	10.10	232	96926	48.72	ppb	97
65) Diethylphthalate	10.32	149	544376	59.48	ppb	100
66) Fluorene	10.37	166	501388	56.76	ppb	99
67) 4-Chlorophenyl-phenylether	10.39	204	210565	54.60	ppb	98
68) 4-Nitroaniline	10.49	138	139313	59.23	ppb	97
70) 4,6-Dinitro-2-methylphenol	10.56	198	83334	55.83	ppb	90
71) n-Nitrosodiphenylamine	10.59	169	366462	58.57	ppb	99
72) 1,2-Diphenylhydrazine	10.64	77	482039	60.88	ppb	100
74) 4-Bromophenyl-phenylether	11.15	248	152305	60.96	ppb	98
75) Hexachlorobenzene	11.37	284	151916	59.42	ppb	98
76) Pentachlorophenol	11.65	266	78206	51.78	ppb	95
77) Phenanthrene	11.84	178	684043	61.04	ppb	99
78) Anthracene	11.91	178	699445	60.62	ppb	99
79) Carbazole	12.15	167	734702	63.29	ppb	99
80) Di-n-butylphthalate	12.70	149	962291	64.62	ppb	99
81) Fluoranthene	13.39	202	849266	60.65	ppb	99
82) Octadecane	11.72	57	398859	71.68	ppb	97
84) Pyrene	13.65	202	825982	60.27	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52856.D
Acq On : 14 Oct 2010 12:29 pm
Operator : ninap
Sample : op46138-msd
Misc : op46138,ep2277,485
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 14 13:09:03 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Oct 14 12:24:03 2010
Response via : Initial Calibration

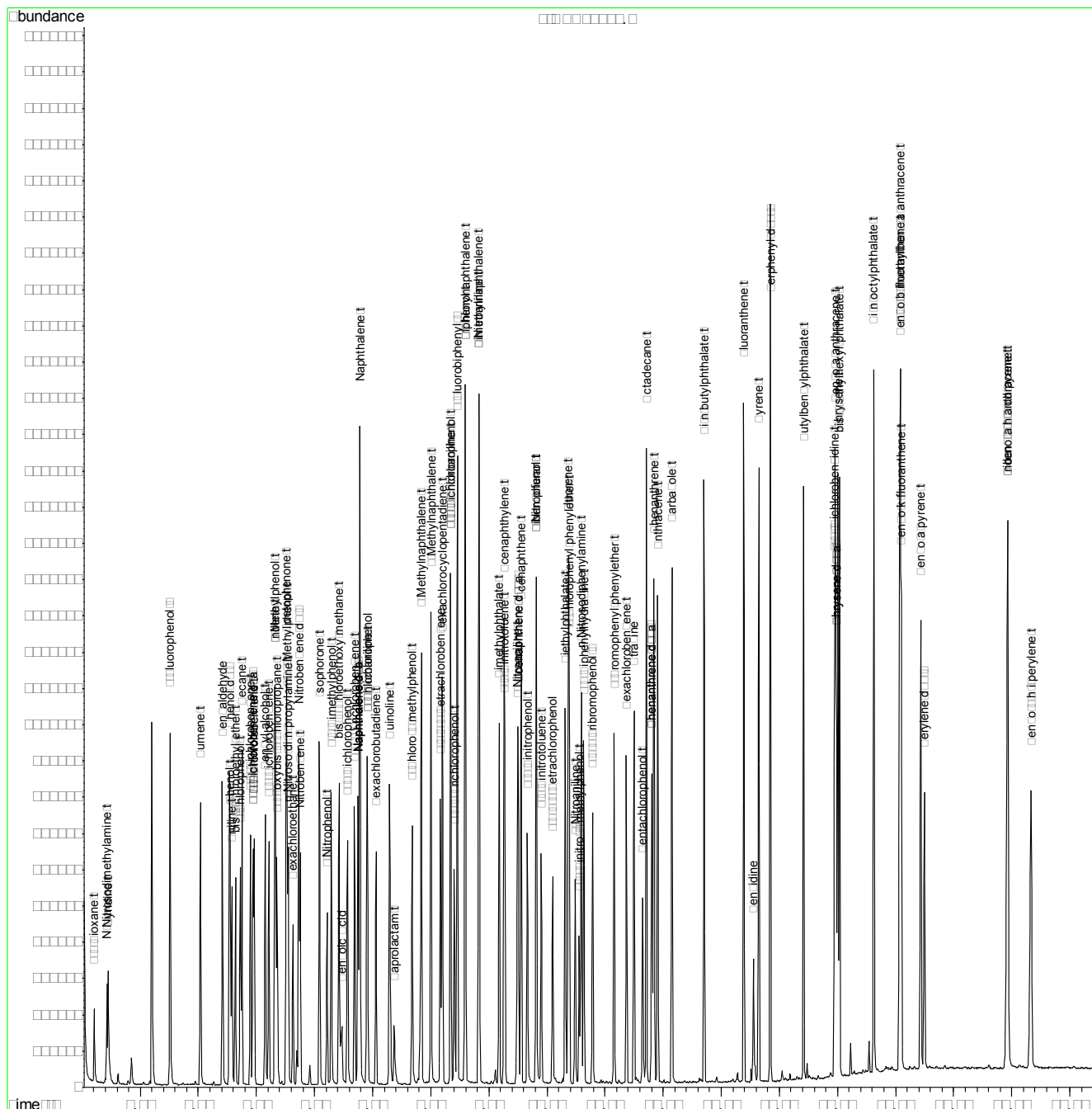
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Butylbenzylphthalate	14.42	149	416907	67.61	ppb	98
88) Benzo[a]anthracene	14.96	228	699159	61.10	ppb	99
89) 3,3'-Dichlorobenzidine	14.95	252	232836	52.44	ppb	99
90) Chrysene	15.01	228	624596	59.37	ppb	99
91) bis(2-Ethylhexyl)phthalate	15.03	149	469943	69.87	ppb	98
93) Di-n-octylphthalate	15.63	149	946967	70.18	ppb	97
94) Benzo[b]fluoranthene	16.07	252	721758	65.69	ppb	99
95) Benzo[k]fluoranthene	16.10	252	590030	70.34	ppb	96
96) Benzo[a]pyrene	16.43	252	643579	63.52	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.92	276	722590	64.36	ppb	96
99) Dibenz[a,h]anthracene	17.93	278	600343	65.84	ppb	97
100) 7,12-Dimethylbenz(a)anthra	16.08	256	310700	70.08	ppb	99
101) Benzo[g,h,i]perylene	18.33	276	628597	62.71	ppb	98
103) Benzaldehyde	4.41	105	197226	62.05	ppb	94
110) Atrazine	11.50	215	84391	68.26	ppb	93
112) 1,2,4,5-Tetrachlorobenzene	8.17	216	185605	54.92	ppb	100
115) Benzidine	13.55	184	151264	18.05	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52856.D
Acq On : 14 Oct 2010 12:29 pm
Operator : ninap
Sample : op46138-msd
Misc : op46138,ep2277,485
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 14 13:09:03 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Oct 14 12:24:03 2010
Response via : Initial Calibration



MP2264.M Thu Oct 14 13:09:12 2010 MSP

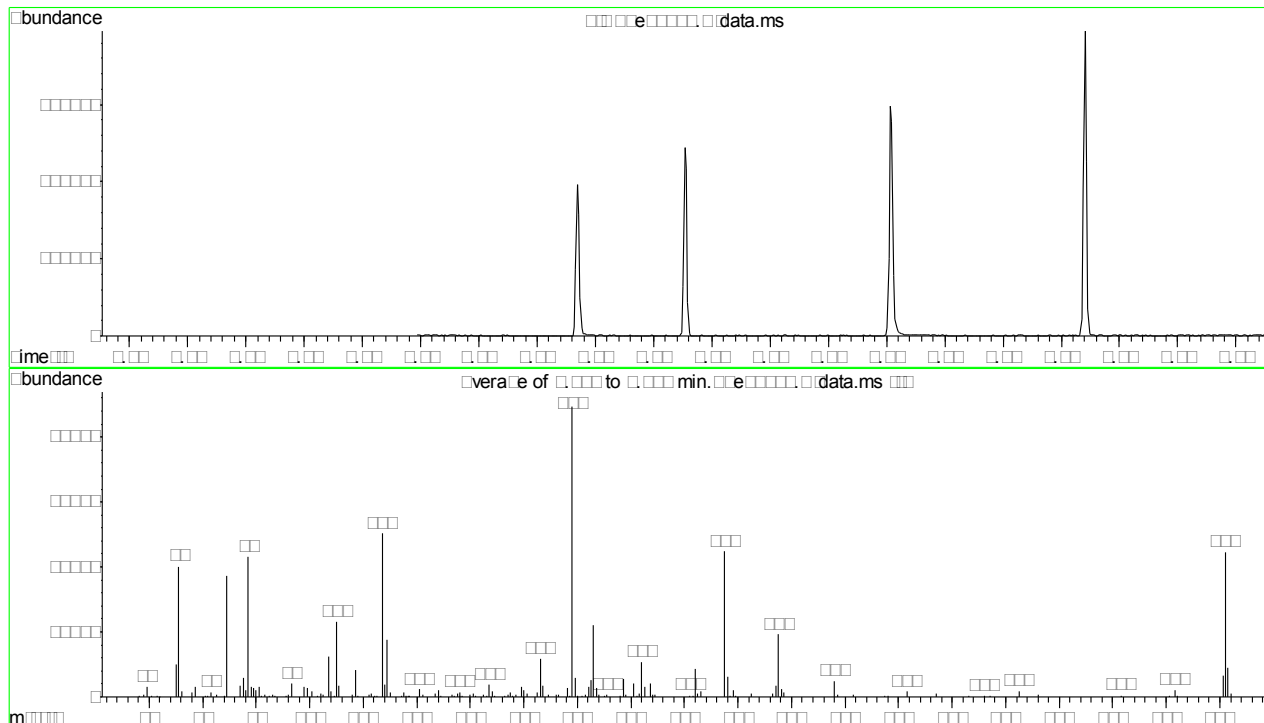
Page: 4

DFTPP

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30083.D
Acq On : 11 Oct 2010 3:38 pm
Operator : olgaa
Sample : dftpp
Misc : op45964,e3e1331,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS, RXI-5MS 30m x .25mm x .25um
Last Update : Thu Sep 03 09:39:28 2009



AutoFind: Scans 172, 173, 174; Background Corrected with Scan 168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	44.9	20046	PASS
68	69	0.00	2	0.8	153	PASS
69	198	0.00	100	41.6	18603	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	56.3	25149	PASS
197	198	0.00	1	0.4	166	PASS
198	198	100	100	100.0	44683	PASS
199	198	5	9	6.7	2975	PASS
275	198	10	30	21.6	9659	PASS
365	198	1	100	1.9	866	PASS
441	443	0.10	100	74.0	3366	PASS
442	198	40	100	49.9	22305	PASS
443	442	17	23	20.4	4547	PASS

Average of 2.501 to 2.512 min.: 3e30083.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	109	61.10	117	79.00	1351	98.05	1532
38.05	282	62.00	104	80.05	994	99.00	1339
39.10	1539	63.10	777	81.05	1525	101.00	800
41.05	221	65.10	336	82.00	199	103.00	143
43.10	112	68.10	153	83.05	296	104.00	518
44.00	8	69.05	18603	85.00	123	105.00	362
50.10	4933	74.10	1704	86.05	422	107.10	6146
51.10	20046	75.10	2913	87.00	114	108.00	946
52.10	923	76.05	1084	91.00	113	109.00	104
56.05	777	77.10	21528	92.05	355	110.05	11531
57.10	1480	78.05	1473	93.10	2022	111.00	1750

Average of 2.501 to 2.512 min.: 3e30083.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.05	309	134.10	101	154.00	235	168.05	876
117.10	4224	135.00	686	155.10	484	169.00	102
118.00	262	136.00	113	155.90	100	172.90	130
121.95	289	136.90	169	156.05	730	174.10	428
123.00	594	137.10	103	157.10	100	175.05	763
124.05	233	141.00	1128	160.00	283	175.95	252
125.00	254	142.05	326	161.05	482	177.05	273
127.10	25149	147.05	474	162.00	100	179.00	1522
128.05	1856	148.00	1077	164.95	288	180.05	972
129.05	8791	149.00	100	166.00	239	181.00	465
130.05	649	153.00	300	167.10	1840	185.05	682

Average of 2.501 to 2.512 min.: 3e30083.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
186.10	5863	203.00	280	221.10	2064	245.05	553
187.10	1693	204.10	1555	222.10	165	246.05	814
189.05	323	205.10	2623	223.05	514	255.10	22370
191.90	433	206.10	10964	224.10	5394	256.10	3111
193.00	427	207.10	1450	225.10	1477	257.05	226
196.10	1307	208.05	342	227.10	2151	258.05	1088
197.10	166	210.20	103	228.05	324	259.00	107
198.00	44683	211.10	316	229.05	428	265.00	514
199.00	2975	216.05	232	242.05	252	273.05	588
200.00	115	217.05	2697	243.15	248	274.10	1711
201.60	117	217.95	327	244.10	4243	275.10	9659

Average of 2.501 to 2.512 min.: 3e30083.D\data.ms

dftpp

Modified:subtracted

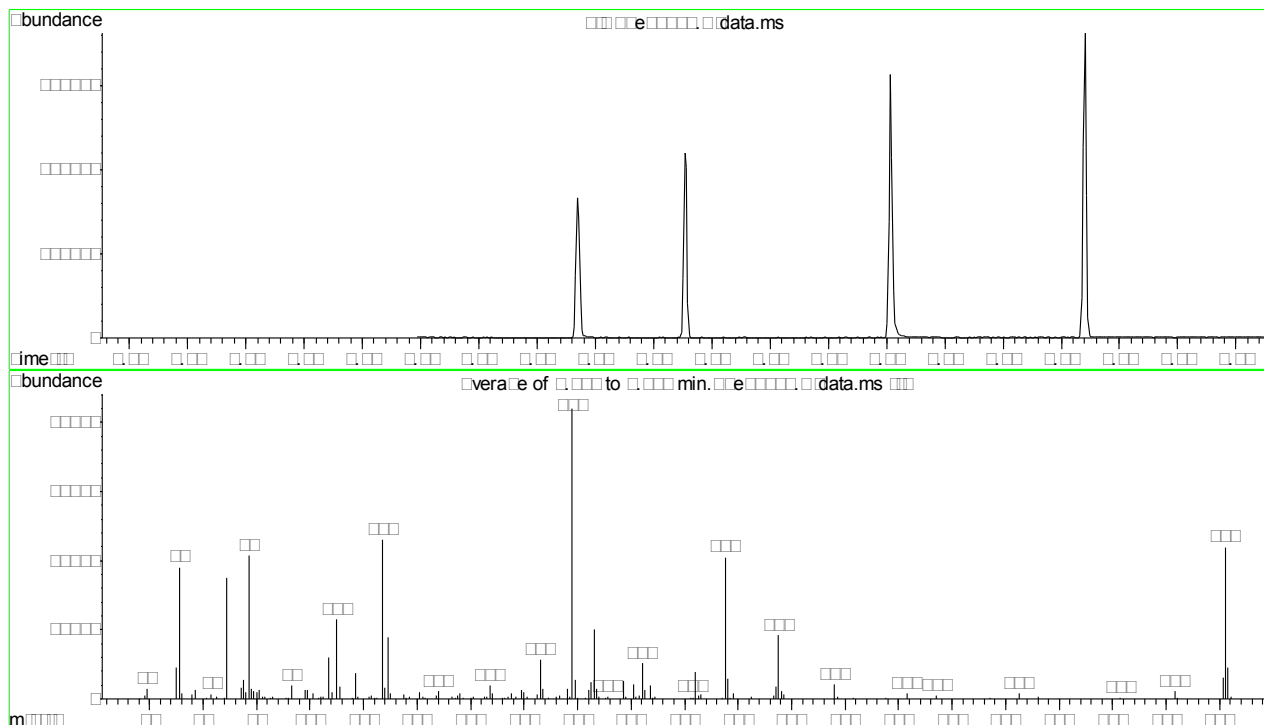
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
276.10	1262	354.10	125				
277.05	723	365.05	866				
296.10	2440	372.10	378				
297.00	266	403.00	243				
303.05	282	421.00	107				
314.95	235	423.05	1125				
316.00	105	424.00	143				
323.10	813	441.10	3366				
334.05	514	442.10	22305				
346.00	126	443.10	4547				
352.00	131	444.05	461				

DFTPP

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30092.D
Acq On : 11 Oct 2010 7:32 pm
Operator : olgaa
Sample : dftpp
Misc : op45964,e3e1332,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS, RXI-5MS 30m x .25mm x .25um
Last Update : Thu Sep 03 09:39:28 2009



AutoFind: Scans 172, 173, 174; Background Corrected with Scan 168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.3	19057	PASS
68	69	0.00	2	1.4	237	PASS
69	198	0.00	100	41.7	17509	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.7	22977	PASS
197	198	0.00	1	0.8	339	PASS
198	198	100	100	100.0	42026	PASS
199	198	5	9	6.6	2776	PASS
275	198	10	30	21.8	9177	PASS
365	198	1	100	1.8	764	PASS
441	443	0.10	100	70.1	3145	PASS
442	198	40	100	52.3	21987	PASS
443	442	17	23	20.4	4484	PASS

Average of 2.501 to 2.512 min.: 3e30092.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	52	68.10	237	83.05	264	105.00	348
38.05	443	69.05	17509	85.00	117	107.10	6033
39.10	1430	74.10	1601	86.00	253	108.05	898
50.10	4545	75.10	2722	91.00	152	110.10	11479
51.10	19057	76.10	987	92.00	243	111.00	1840
52.10	863	77.10	20747	93.05	1888	115.90	108
55.95	597	78.10	1408	98.05	1376	117.05	3802
57.05	1379	79.05	1075	99.05	1277	118.00	286
61.10	101	80.05	977	101.05	809	122.00	266
63.05	681	81.00	1283	103.00	127	123.05	504
65.05	299	82.05	268	104.00	409	123.95	234

Average of 2.501 to 2.512 min.: 3e30092.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.00	111	147.00	561	167.10	1887	186.10	5647
127.10	22977	148.00	1083	168.00	835	187.10	1508
128.10	1697	152.95	293	171.90	116	188.90	125
129.05	8944	154.10	109	172.95	213	189.10	144
130.00	757	155.05	549	174.10	322	192.00	410
135.05	612	156.05	831	175.05	739	193.10	456
136.00	123	157.10	100	176.95	263	196.00	1420
137.00	257	160.05	245	179.00	1369	197.10	339
141.00	1036	161.00	403	180.05	982	198.00	42026
142.00	260	165.05	295	181.00	411	199.00	2776
143.00	129	165.95	262	185.05	600	200.00	130

Average of 2.501 to 2.512 min.: 3e30092.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
203.05	222	221.95	352	246.00	645	277.10	691
204.05	1335	223.00	449	254.10	101	296.10	2079
205.05	2401	224.10	5162	255.10	20470	297.00	291
206.10	10043	225.05	1362	256.10	2979	303.10	140
207.10	1455	227.10	1952	257.10	229	315.10	128
208.00	257	228.00	231	258.05	884	323.10	758
210.30	119	229.00	380	265.00	352	334.10	457
211.10	310	242.10	212	273.10	546	354.05	225
217.00	2538	243.10	234	274.10	1721	365.00	764
218.05	308	244.10	3943	275.10	9177	372.10	370
221.05	2052	245.05	494	276.10	1140	402.90	141

Average of 2.501 to 2.512 min.: 3e30092.D\data.ms

dftpp

Modified:subtracted

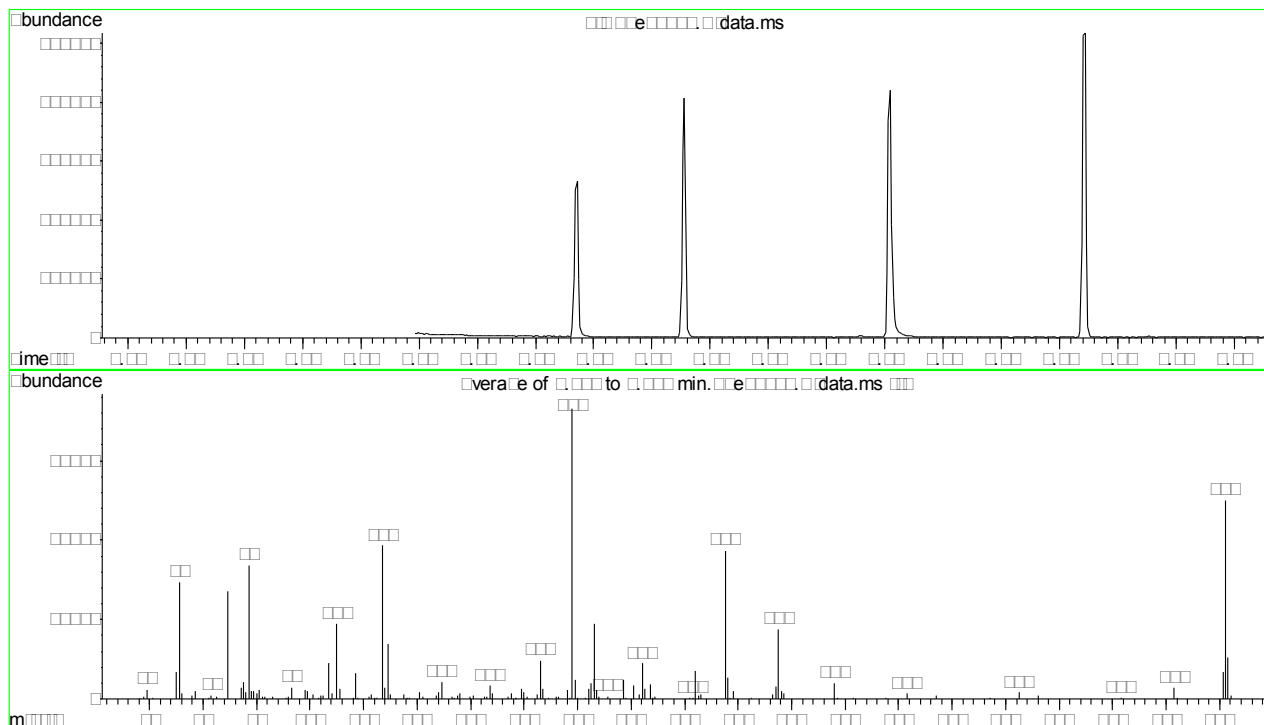
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
423.10	1087						
424.10	155						
441.10	3145						
442.10	21987						
443.10	4484						
444.05	396						

DFTPP

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30105.D
Acq On : 12 Oct 2010 9:28 am
Operator : olgaa
Sample : dftpp
Misc : op45964,e3e1333,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS, RXI-5MS 30m x .25mm x .25um
Last Update : Thu Sep 03 09:39:28 2009



AutoFind: Scans 173, 174, 175; Background Corrected with Scan 168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	40.3	14730	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	37.2	13589	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.8	19315	PASS
197	198	0.00	1	0.4	146	PASS
198	198	100	100	100.0	36578	PASS
199	198	5	9	6.7	2467	PASS
275	198	10	30	24.0	8774	PASS
365	198	1	100	2.2	806	PASS
441	443	0.10	100	65.0	3391	PASS
442	198	40	100	68.5	25064	PASS
443	442	17	23	20.8	5215	PASS

Average of 2.507 to 2.517 min.: 3e30105.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	13	65.05	315	83.05	252	107.10	4575
38.00	243	69.10	13589	85.95	275	108.05	760
39.10	1190	74.10	1373	91.00	213	110.10	9453
41.00	133	75.10	2082	92.00	254	111.00	1335
50.10	3438	76.10	902	93.00	1484	116.10	102
51.10	14730	77.10	16819	98.00	1162	117.10	3189
52.10	670	78.10	1060	99.00	1033	118.00	201
56.00	375	79.10	950	101.05	602	122.00	270
57.10	1057	80.00	670	103.00	103	123.00	507
62.10	101	81.05	1087	104.05	418	124.00	130
63.05	495	82.05	230	105.05	360	124.90	134

Average of 2.507 to 2.517 min.: 3e30105.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.10	19315	149.10	2155	173.95	302	192.00	320
128.00	1414	153.00	311	175.05	682	193.05	331
129.10	6910	154.00	108	176.90	128	196.00	1114
130.00	527	155.00	381	177.10	178	197.20	146
135.00	562	156.05	720	179.05	1212	198.00	36578
136.10	119	159.95	247	180.05	828	199.00	2467
137.10	140	161.00	365	181.00	332	200.00	102
141.00	841	165.00	267	185.10	500	203.00	105
142.05	272	166.05	235	186.10	4823	204.10	1338
147.00	437	167.10	1685	187.10	1284	205.10	2034
148.00	840	168.05	730	189.00	138	206.10	9411

Average of 2.507 to 2.517 min.: 3e30105.D\data.ms

dftpp

Modified:subtracted

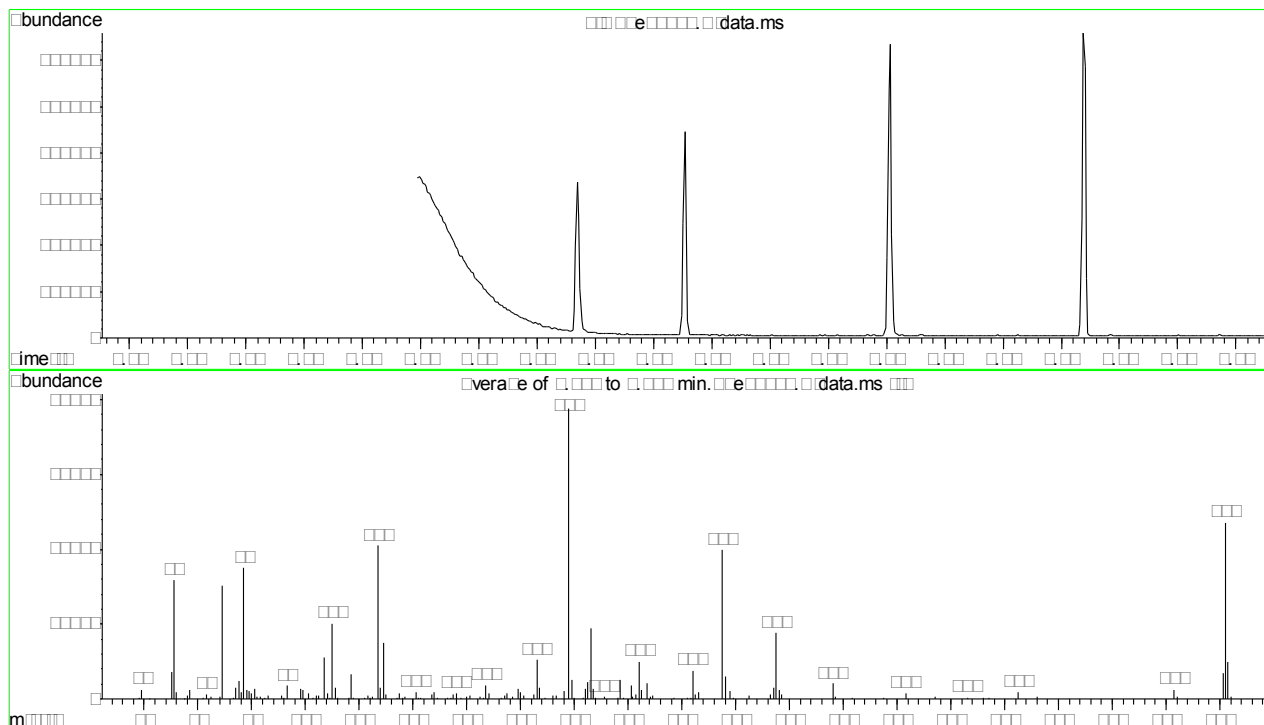
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
207.10	1163	229.05	277	273.05	604	354.10	114
208.05	242	242.00	101	274.10	1517	365.05	806
211.10	297	243.10	108	275.10	8774	372.05	382
217.00	2374	244.10	3571	276.05	1033	403.10	104
218.00	101	245.05	434	277.10	689	423.05	1387
221.10	1759	246.10	632	296.10	2014	424.10	145
223.05	568	255.10	18671	297.00	117	441.10	3391
224.10	4490	256.10	2756	303.00	130	442.10	25064
225.10	1223	256.90	107	315.00	110	443.10	5215
227.05	1809	258.05	973	323.05	674	444.05	458
228.10	125	265.00	201	334.05	450		

DFTPP

Data Path : C:\msdchem\1\DATA\E3e1334\
Data File : 3e30137.D
Acq On : 13 Oct 2010 9:07 am
Operator : olgaa
Sample : dftpp
Misc : op46062,e3e1334,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS, RXI-5MS 30m x .25mm x .25um
Last Update : Thu Sep 03 09:39:28 2009



AutoFind: Scans 172, 173, 174; Background Corrected with Scan 168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.0	15930	PASS
68	69	0.00	2	1.8	266	PASS
69	198	0.00	100	38.8	15070	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.7	20456	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	38808	PASS
199	198	5	9	6.5	2522	PASS
275	198	10	30	22.7	8811	PASS
365	198	1	100	2.3	911	PASS
441	443	0.10	100	68.6	3404	PASS
442	198	40	100	60.6	23534	PASS
443	442	17	23	21.1	4964	PASS

Average of 2.501 to 2.512 min.: 3e30137.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	99	65.05	266	81.05	1359	103.00	152
39.10	1268	68.10	266	82.00	293	104.00	444
42.10	12	69.10	15070	83.05	373	105.00	477
50.10	3671	73.05	212	85.00	218	107.10	5549
51.10	15930	74.10	1568	86.05	516	108.05	817
52.10	833	75.10	2438	91.05	405	109.05	203
55.05	44	76.10	865	92.00	216	110.05	10066
56.10	503	77.10	17460	93.00	1779	111.05	1546
57.10	1153	78.10	1248	98.05	1293	112.00	113
62.00	101	79.05	1111	99.05	1218	116.00	138
63.10	639	80.00	812	101.05	807	117.10	3347

Average of 2.501 to 2.512 min.: 3e30137.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.00	157	136.00	216	156.10	789	177.00	309
122.00	149	137.10	269	158.00	108	179.00	1357
123.05	434	141.05	962	160.00	242	180.05	833
124.00	160	142.00	152	161.05	522	181.05	497
125.00	230	143.00	119	165.00	314	185.05	629
127.10	20456	147.05	565	166.00	139	186.10	5216
128.00	1480	148.00	953	167.00	1872	187.10	1482
129.05	7454	149.00	109	168.05	752	189.10	164
130.00	576	153.00	126	173.00	103	192.00	505
134.00	102	154.10	123	174.05	435	193.05	476
135.00	701	155.05	543	175.00	737	196.00	1074

Average of 2.501 to 2.512 min.: 3e30137.D\data.ms

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
198.00	38808	217.05	2543	242.10	130	274.10	1461
199.00	2522	218.10	124	243.10	155	275.10	8811
199.90	100	221.00	1779	244.10	3776	276.10	1273
203.10	137	221.75	252	245.05	549	277.05	648
204.05	1362	223.00	549	246.05	830	296.10	2050
205.10	2203	224.10	4963	255.10	19895	297.05	281
206.10	9380	225.05	1221	256.10	3065	303.10	159
207.10	1392	227.10	2097	258.05	1128	315.00	117
208.00	175	228.05	274	259.00	112	323.10	778
211.05	293	229.00	380	265.10	432	334.10	371
216.00	119	237.00	100	273.05	585	346.05	208

Average of 2.501 to 2.512 min.: 3e30137.D\data.ms

dftpp

Modified:subtracted

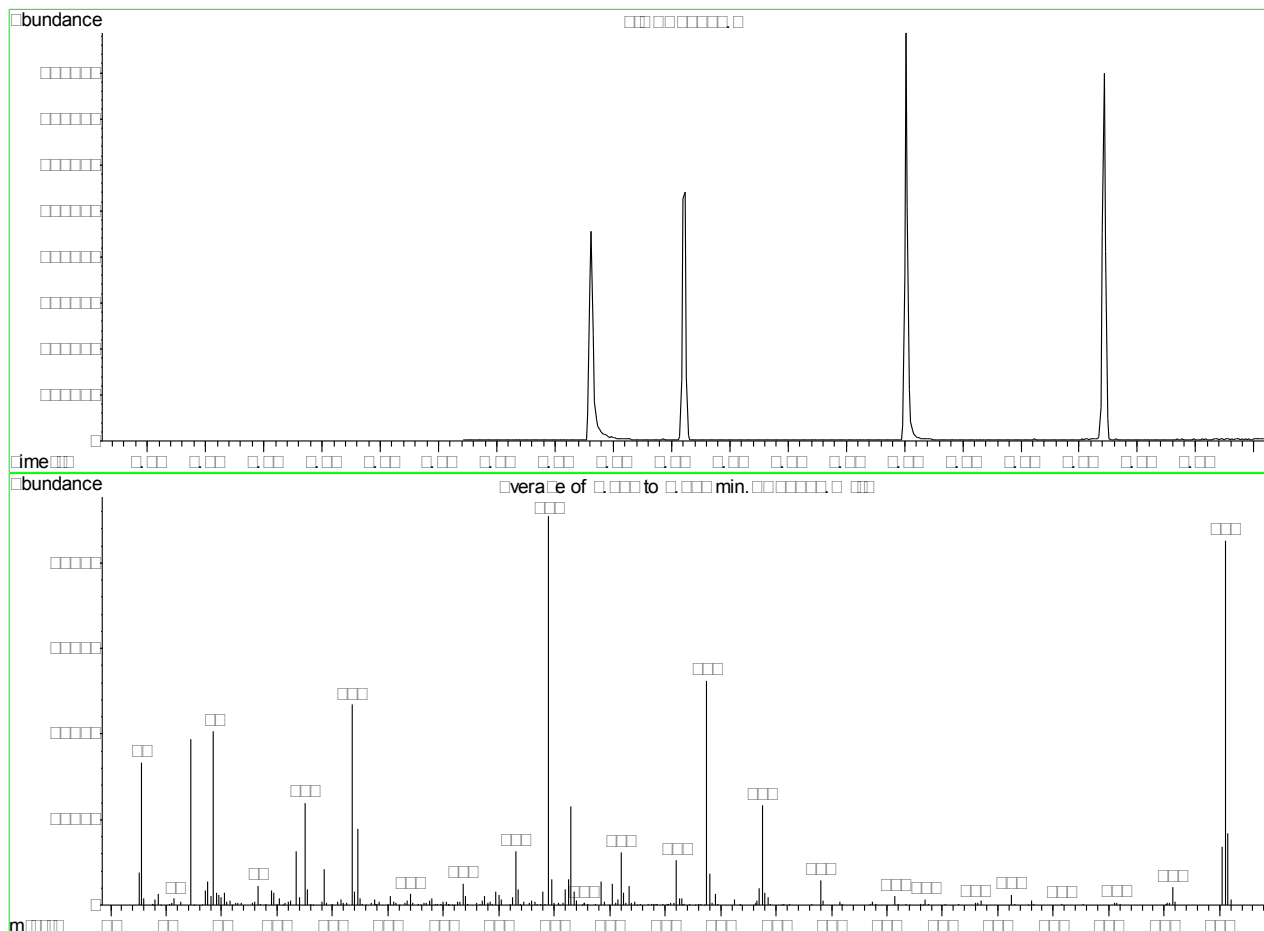
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
352.10	104						
354.10	102						
365.05	911						
372.10	366						
423.05	1250						
424.10	230						
441.10	3404						
442.10	23534						
443.10	4964						
444.00	351						

DFTPP

Data File : C:\MSDCHEM\1\DATA\ep2264\P52532.D
 Acq On : 30 Sep 2010 8:11 am
 Sample : dftpp
 Misc : op45836, ep2264
 MS Integration Params: events.e

Vial: 1
 Operator: ninap
 Inst : MSP
 Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (Chemstation Integrator)
 Title :



AutoFind: Scans 133, 134, 135; Background Corrected with Scan 129

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.7	16678	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.8	19461	PASS
70	69	0.00	2	0.3	57	PASS
127	198	40	60	51.6	23459	PASS
197	198	0.00	1	0.2	105	PASS
198	198	100	100	100.0	45452	PASS
199	198	5	9	6.7	3030	PASS
275	198	10	30	25.8	11725	PASS
365	198	1	100	2.7	1213	PASS
441	443	0.01	100	80.9	6829	PASS
442	198	40	100	93.8	42632	PASS
443	442	17	23	19.8	8438	PASS

Average of 3.039 to 3.051 min.: P52532.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	3836	65.05	404	81.00	1479	96.00	140
51.10	16678	69.00	19461	82.00	389	98.00	1652
52.05	789	70.10	57	82.95	469	99.00	1425
55.00	86	73.05	51	83.90	8	99.95	154
55.20	53	74.00	1685	85.05	311	101.00	757
56.00	603	75.00	2733	85.95	236	102.00	50
57.00	1342	76.05	1002	86.95	210	103.00	304
57.90	50	77.00	20355	90.95	326	104.00	427
61.00	138	78.00	1442	92.00	442	104.95	516
61.95	279	79.00	1203	93.00	2278	107.00	6278
63.00	758	80.00	911	94.00	184	108.00	958

Average of 3.039 to 3.051 min.: P52532.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
110.00	11997	125.00	301	136.95	346	151.80	69
111.00	1806	127.00	23459	140.20	101	153.00	314
112.00	134	128.00	1638	140.95	1102	153.90	284
112.80	68	129.00	8901	142.10	360	155.00	561
116.05	397	129.90	731	142.95	245	156.00	813
117.00	4210	130.80	87	143.90	56	156.90	173
117.95	247	132.00	50	145.95	210	157.65	188
119.90	92	133.85	233	146.90	496	158.90	181
121.90	371	135.00	667	147.95	1307	159.90	356
123.00	666	135.80	154	148.95	284	161.00	424
123.95	232	136.00	98	151.00	144	161.75	135

Average of 3.039 to 3.051 min.: P52532.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
162.00	61	175.00	1037	187.00	1873	198.95	3030
163.00	52	175.90	123	187.90	176	199.95	217
164.10	55	176.10	202	188.85	399	201.35	287
164.95	381	177.00	433	191.00	255	201.90	56
166.00	337	177.85	159	191.90	548	203.00	232
167.00	2497	178.90	1588	192.95	412	204.00	1796
168.00	1096	179.95	1218	193.90	92	205.00	2966
168.95	196	180.95	602	195.00	162	206.00	11552
171.90	253	183.95	147	196.00	1556	207.00	1535
173.05	177	185.00	898	196.70	105	207.95	516
174.00	475	186.00	6318	197.90	45452	210.00	61

Average of 3.039 to 3.051 min.: P52532.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
210.70	230	224.95	1486	237.00	133	248.90	192
210.95	225	225.95	209	238.95	130	250.80	50
211.90	84	226.90	2201	240.80	76	251.90	74
214.95	147	227.95	309	241.00	79	253.00	115
216.90	2756	228.90	459	241.95	266	253.90	67
217.95	444	229.90	66	243.00	242	255.00	26253
219.90	63	230.95	189	244.00	5280	256.00	3654
221.00	2432	233.95	128	245.05	822	256.95	231
221.95	226	234.90	155	246.00	800	257.95	1285
222.90	720	236.00	134	246.20	50	258.90	183
224.00	6192	236.80	109	246.90	138	264.95	609

Average of 3.039 to 3.051 min.: P52532.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
266.90	59	283.00	155	324.05	154	354.00	476
267.10	72	284.95	159	326.95	200	364.90	1213
272.00	67	293.00	173	327.90	58	365.90	194
272.80	285	295.95	2913	332.00	86	371.10	51

272.95	466	296.95	513	332.90	65	372.00	468
274.00	2018	303.00	363	333.95	656	372.85	158
275.00	11725	304.00	81	335.00	157	382.90	139
276.00	1475	313.90	137	340.95	189	390.90	76
276.95	876	314.90	386	345.95	144	402.05	250
278.00	70	315.95	116	351.95	298	402.90	318
282.00	65	323.00	1109	352.95	222	404.00	115

Average of 3.039 to 3.051 min.: P52532.D

dftpp

Modified:subtracted

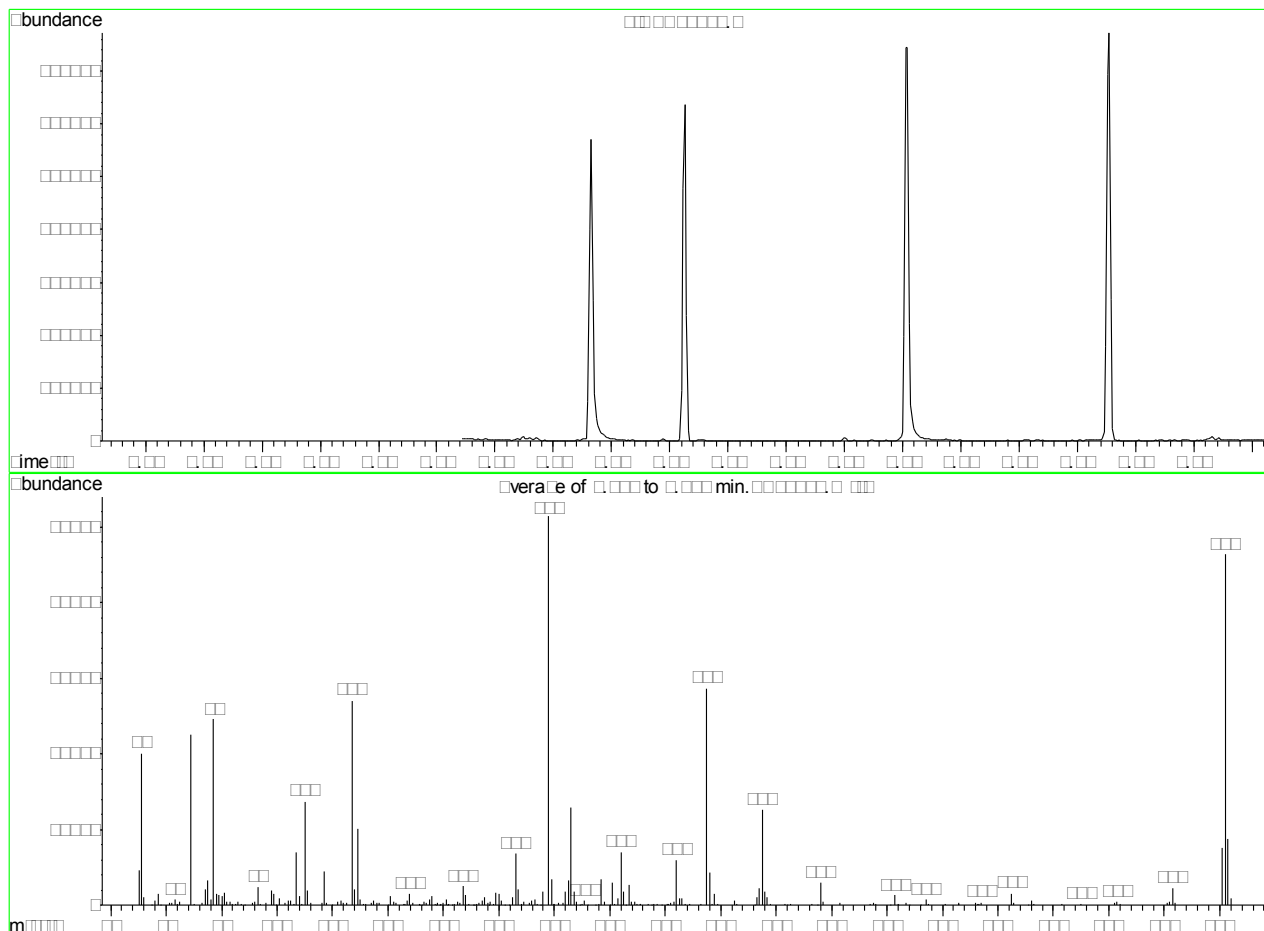
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
420.80	122						
421.00	208						
421.95	243						
423.00	2134						
423.90	424						
441.00	6829						
442.00	42632						
443.00	8438						
444.00	725						

DFTPP

Data File : C:\MSDCHEM\1\DATA\ep2265\P52541.D
Acq On : 30 Sep 2010 12:33 pm
Sample : dftpp
Misc : op45836,ep2265
MS Integration Params: rteint.p

Vial: 1
Operator: ninap
Inst : MSP
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\MP2265.M (RTE Integrator)
Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u



AutoFind: Scans 134, 135, 136; Background Corrected with Scan 129

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.0	20055	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.9	22558	PASS
70	69	0.00	2	0.6	133	PASS
127	198	40	60	52.6	27068	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	51424	PASS
199	198	5	9	6.6	3414	PASS
275	198	10	30	24.5	12582	PASS
365	198	1	100	3.0	1549	PASS
441	443	0.10	100	86.5	7615	PASS
442	198	40	100	90.2	46397	PASS
443	442	17	23	19.0	8804	PASS

Average of 3.045 to 3.057 min.: P52541.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	4661	65.00	429	81.00	1606	93.95	135
51.10	20055	69.00	22558	82.00	413	96.00	263
52.00	1066	70.00	133	83.00	414	98.00	1869
54.90	63	73.00	329	83.80	158	98.95	1451
56.00	610	74.00	2118	85.00	212	99.70	61
57.00	1534	75.00	3332	86.00	379	101.00	947
58.00	61	76.05	768	86.95	162	102.95	353
61.00	239	77.00	24583	88.10	73	103.95	596
62.00	261	78.00	1545	90.95	312	105.00	530
63.05	717	79.00	1396	92.00	403	106.10	121
64.10	145	80.00	1179	93.00	2375	107.00	7018

Average of 3.045 to 3.057 min.: P52541.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
108.00	1140	123.95	332	137.00	360	151.50	112
109.00	114	124.90	259	139.90	60	152.10	55
110.00	13709	127.00	27068	140.95	1251	152.95	443
111.00	1945	128.00	2095	142.00	447	153.95	297
112.00	275	129.00	10075	142.90	256	154.95	762
116.00	278	129.90	806	145.90	95	156.00	1136
117.00	4431	130.95	139	146.10	140	157.05	187
118.00	288	131.90	145	146.90	598	157.60	55
120.00	67	133.95	247	147.90	1444	157.95	228
121.95	398	134.90	665	148.95	312	158.70	54
122.95	649	135.95	307	151.30	70	158.90	106

Average of 3.045 to 3.057 min.: P52541.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.90	334	170.60	63	180.00	1448	193.00	717
160.95	684	171.00	63	181.00	617	194.00	101
161.60	51	171.90	150	182.00	56	195.00	63
161.90	115	172.95	341	183.90	65	196.00	1732
163.10	52	174.00	644	184.95	1060	197.90	51424
164.00	84	175.00	1001	186.00	6805	198.95	3414
164.95	492	176.05	326	187.00	2027	199.80	178
165.95	372	176.60	63	188.05	209	200.00	135
167.00	2467	176.85	494	188.95	395	201.40	334
167.95	1304	177.90	100	191.00	243	203.00	368
169.00	198	178.95	1687	191.90	614	203.95	1834

Average of 3.045 to 3.057 min.: P52541.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
205.00	3298	217.95	489	230.00	82	243.05	395
206.00	12960	219.90	52	230.90	89	244.00	5937
207.00	1810	221.00	2898	231.05	201	245.00	832
207.90	462	221.70	135	233.90	122	245.90	832
209.00	66	222.95	868	234.90	76	247.00	154
210.00	83	224.00	6982	235.95	192	248.90	124
210.95	542	224.95	1814	237.00	215	253.00	179
212.00	55	225.90	71	238.90	65	255.00	28642
214.90	62	226.90	2605	240.90	102	255.95	4303
216.00	134	227.95	474	241.10	91	257.00	131
216.90	3353	228.95	500	241.95	350	257.90	1418

Average of 3.045 to 3.057 min.: P52541.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
258.95	211	283.80	52	322.95	1294	351.95	304
264.95	627	285.00	123	323.85	165	352.70	122
265.85	138	293.05	204	324.10	67	352.95	133
272.10	66	294.90	55	326.85	250	353.95	345

273.00	1067	296.00	2963	327.90	59	364.90	1549
273.95	2220	296.80	389	331.90	57	365.85	251
275.00	12582	302.95	325	333.95	729	370.80	54
276.00	1841	314.00	152	335.00	138	371.95	587
276.90	1069	314.95	354	341.00	85	372.90	103
277.95	198	315.95	186	345.80	86	382.90	95
283.05	131	321.20	52	345.95	277	389.95	118

Average of 3.045 to 3.057 min.: P52541.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
401.90	372						
402.95	398						
404.00	107						
420.95	311						
421.95	387						
423.00	2266						
423.95	363						
441.00	7615						
442.00	46397						
443.00	8804						
443.95	894						

8.5.6

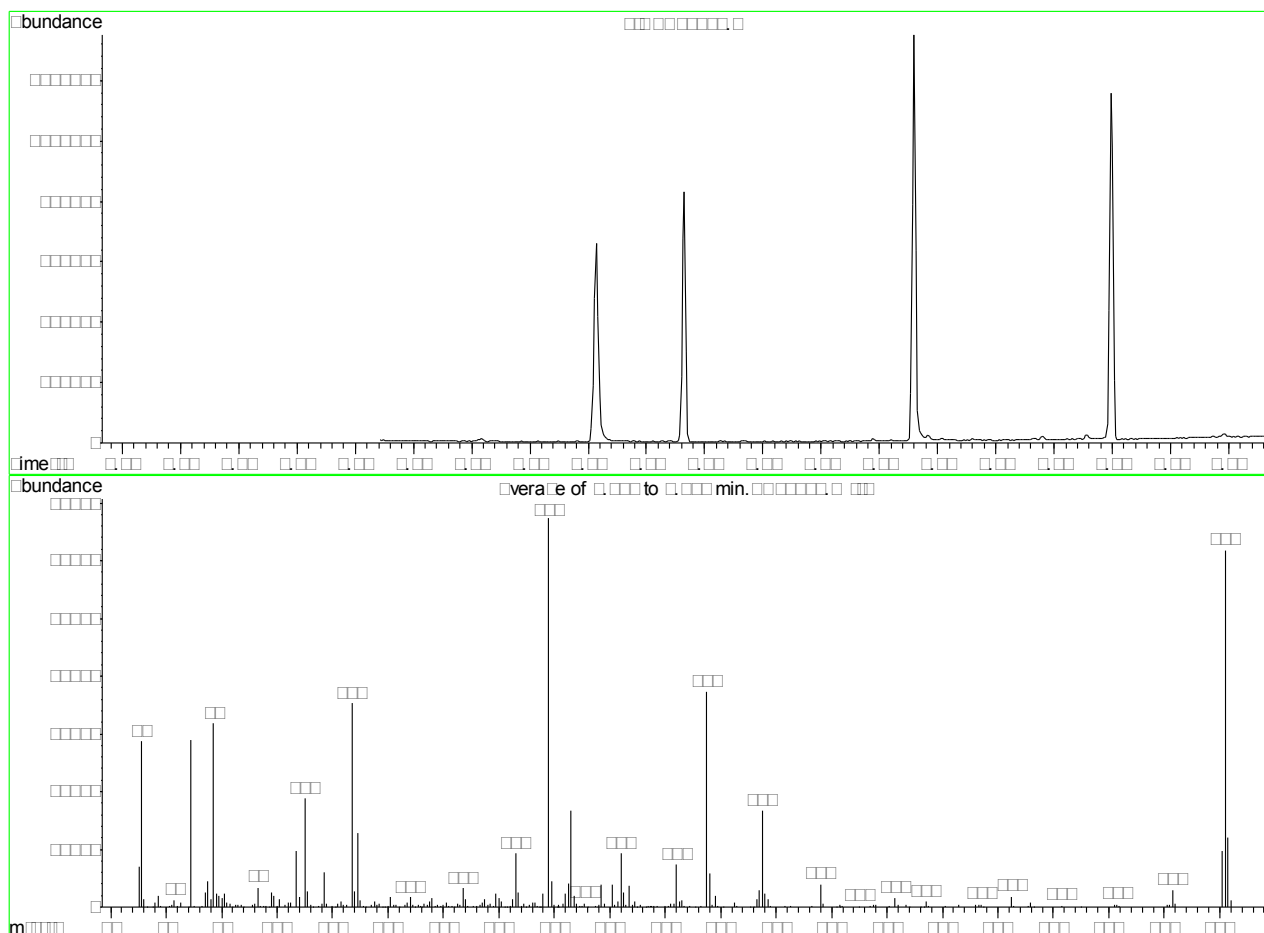
8

DFTPP

Data File : C:\MSDCHEM\1\DATA\EP2277\P52845.D
Acq On : 14 Oct 2010 7:32 am
Sample : dftpp
Misc : op46061,ep2277
MS Integration Params: events.e

Vial: 1
Operator: ninap
Inst : MSP
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (Chemstation Integrator)
Title :



AutoFind: Scans 183, 184, 185; Background Corrected with Scan 167

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	42.6	28698	PASS
68	69	0.00	2	0.2	59	PASS
69	198	0.00	100	42.9	28895	PASS
70	69	0.00	2	0.7	189	PASS
127	198	40	60	52.5	35333	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	67320	PASS
199	198	5	9	6.8	4554	PASS
275	198	10	30	24.8	16698	PASS
365	198	1	100	2.7	1851	PASS
441	443	0.01	100	79.3	9625	PASS
442	198	40	100	91.8	61784	PASS
443	442	17	23	19.7	12141	PASS

Average of 3.325 to 3.337 min.: P52845.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	6948	64.10	165	79.00	1886	92.00	613
51.05	28698	65.10	732	80.00	1573	93.00	3327
52.05	1336	67.90	59	81.00	2347	93.95	234
53.00	67	69.00	28895	82.00	714	95.05	261
55.00	19	70.00	189	83.00	585	96.00	213
55.95	763	73.00	153	83.95	87	97.10	44
57.00	2028	74.00	2476	84.90	489	97.95	2458
58.05	108	75.00	4545	85.95	476	99.00	2034
61.00	292	76.10	1428	86.95	305	99.95	141
62.00	331	77.05	31832	88.00	103	101.00	1365
63.00	1191	78.10	2273	90.95	461	103.00	346

Average of 3.325 to 3.337 min.: P52845.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
104.00	712	118.00	602	130.95	261	143.00	369
105.00	814	119.95	123	132.00	68	144.00	76
107.00	9797	121.00	69	133.95	476	145.95	331
108.00	1688	121.95	626	135.00	892	147.00	741
110.00	18773	123.00	975	136.00	464	148.00	1686
111.00	2698	123.90	434	137.00	528	148.95	409
112.00	309	125.00	439	138.10	71	149.80	56
113.10	65	127.00	35333	138.90	82	151.00	320
114.95	128	128.00	2736	139.95	177	151.60	115
116.00	563	129.00	12886	141.00	1682	152.00	89
117.00	6094	130.00	1258	142.00	443	152.95	577

Average of 3.325 to 3.337 min.: P52845.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
154.00	399	164.95	624	177.00	591	188.00	277
155.00	1028	165.95	473	177.90	202	188.95	559
156.00	1497	167.00	3248	178.90	2423	189.90	94
156.95	245	168.00	1407	180.00	1644	190.95	394
157.95	396	168.95	292	181.00	896	192.00	866
158.95	237	170.95	200	182.10	75	193.00	866
160.00	483	172.00	248	183.10	51	194.00	173
161.05	751	173.00	387	184.00	215	194.70	59
162.00	279	174.00	792	185.00	1280	195.20	52
163.05	117	175.00	1300	186.00	9312	196.00	2245
163.90	81	176.05	404	187.00	2596	197.95	67320

Average of 3.325 to 3.337 min.: P52845.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
198.95	4554	209.00	260	223.00	886	234.80	143
199.95	337	210.00	296	224.00	9281	235.00	161
201.00	80	211.00	634	225.00	2531	235.90	117
201.50	364	212.00	64	225.95	304	237.00	254
201.70	53	214.95	177	227.00	3712	239.85	147
202.95	523	215.80	55	228.05	487	241.00	164
204.00	2314	216.10	351	228.95	889	242.00	513
205.00	4089	216.90	3943	229.90	54	243.05	546
206.00	16681	217.90	530	231.05	341	244.00	7377
207.00	1968	220.95	3983	233.00	70	245.00	1037
207.95	548	221.60	409	234.00	216	245.95	1177

Average of 3.325 to 3.337 min.: P52845.D

dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
246.95	269	265.95	156	292.85	260	320.95	158
248.95	255	270.80	71	296.00	3985	323.00	1603
251.00	65	271.90	61	296.95	547	324.00	315
252.95	171	273.00	1306	301.90	70	326.85	343

255.00	37274	274.00	2962	302.80	96	327.90	88
256.00	5762	275.00	16698	303.05	446	332.00	73
256.95	471	276.00	2335	303.90	144	333.20	71
258.00	2035	277.00	1364	310.00	63	333.95	965
258.95	292	277.95	180	313.90	133	335.00	106
260.90	50	283.05	159	314.95	414	340.85	163
264.95	728	285.00	299	315.90	310	346.00	328

Average of 3.325 to 3.337 min.: P52845.D
dftpp

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
351.95	380	401.85	316				
352.95	358	402.95	470				
353.95	490	403.85	192				
354.90	58	421.00	430				
364.90	1851	421.95	443				
365.85	227	423.00	2999				
370.95	107	423.95	614				
371.90	790	441.00	9625				
373.10	88	442.00	61784				
382.95	255	443.00	12141				
390.00	63	443.95	1136				

8.5.7

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30084.D
 Acq On : 11 Oct 2010 3:51 pm
 Operator : olgae
 Sample : ic1331-2
 Misc : op45964,e3e1331,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 16:14:03 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Mon Oct 11 14:36:06 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	213325	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	857156	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	545872	40.00	ppb	-0.01
69) Phenanthrene-d10	9.749	188	883046	40.00	ppb	-0.01
83) Chrysene-d12	13.327	240	861968	40.00	ppb	-0.02
92) Perylene-d12	14.696	264	771135	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	3.202	152	213325	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	545872	40.00	ppb	-0.01
106) Phenanthrene-d10a	9.749	188	883046	40.00	ppb	-0.01
109) Chrysene-d12a	13.327	240	861968	40.00	ppb	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	2.009	112	13898	2.14	ppb	0.00
Spiked Amount 50.000			Recovery =			4.28%
8) Phenol-d5	2.892	99	18030	1.95	ppb	0.00
Spiked Amount 50.000			Recovery =			3.90%
25) Nitrobenzene-d5	3.919	82	16383	1.94	ppb	0.00
Spiked Amount 50.000			Recovery =			3.88%
51) 2-Fluorobiphenyl	6.529	172	37535	2.09	ppb	0.00
Spiked Amount 50.000			Recovery =			4.18%
73) 2,4,6-Tribromophenol	8.727	330	2992	1.89	ppb	-0.01
Spiked Amount 50.000			Recovery =			3.78%
85) Terphenyl-d14	12.193	244	28279	1.84	ppb	-0.02
Spiked Amount 50.000			Recovery =			3.68%

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	5974	2.09	ppb	81
3) Pyridine	1.223	79	12510	1.74	ppb	75
4) N-Nitrosodimethylamine	1.207	74	8531	1.91	ppb	83
6) Indene	3.534	116	22261	2.20	ppb	98
7) Cumene	2.427	105	29707	2.11	ppb	95
9) Phenol	2.908	94	20316	2.01	ppb	92
10) Aniline	2.897	93	23269	2.28	ppb	93
11) bis(2-Chloroethyl)ether	2.978	93	14803	2.14	ppb	97
12) 2-Chlorophenol	3.004	128	15192	2.02	ppb	95
13) Decane	3.090	43	17352	2.93	ppb	82
14) 1,3-Dichlorobenzene	3.159	146	16813	2.09	ppb	96
15) 1,4-Dichlorobenzene	3.224	146	17630	2.17	ppb	97
16) Benzyl alcohol	3.422	108	10106	1.93	ppb	92
17) 1,2-Dichlorobenzene	3.438	146	16415	2.12	ppb	96
18) Acetophenone	3.737	105	21085	2.12	ppb	97
19) 2-Methylphenol	3.603	108	13817	2.04	ppb	91
20) 2,2'-oxybis(1-Chloropr...	3.625	121	5792	2.02	ppb	# 49
21) 3&4-Methylphenol	3.796	108	15068	2.07	ppb	99
22) n-Nitroso-di-n-propyla...	3.796	70	10732	1.95	ppb	81
23) Hexachloroethane	3.812	201	5361	2.10	ppb	90
26) Nitrobenzene	3.946	123	8377	2.03	ppb	# 81
27) Quinoline	5.374	129	28242	2.00	ppb	96
28) Isophorone	4.267	82	27687	1.94	ppb	96
29) 2-Nitrophenol	4.374	139	8370	1.91	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30084.D
 Acq On : 11 Oct 2010 3:51 pm
 Operator : olgaa
 Sample : ic1331-2
 Misc : op45964,e3e1331,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 16:14:03 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Mon Oct 11 14:36:06 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.502	107	13694	1.88	ppb	98
31) Benzoic acid	4.614	105	5297	1.09	ppb	90
32) bis(2-Chloroethoxy)met...	4.636	93	17474	2.04	ppb	96
33) 2,4-Dichlorophenol	4.705	162	12469	1.92	ppb	94
34) 2,6-Dichlorophenol	5.037	162	12654	2.00	ppb	92
35) 1,3,5-Trichlorobenzene	4.374	180	13904	1.99	ppb	97
36) 1,2,4-Trichlorobenzene	4.812	180	13656	1.98	ppb	95
37) 1,2,3-Trichlorobenzene	5.149	180	12852	1.90	ppb	94
38) Naphthalene	4.876	128	49646	2.21	ppb	98
39) 4-Chloroaniline	5.042	127	19724	2.09	ppb	99
40) 2,3-Dichloroaniline	6.395	161	14842	1.98	ppb	99
41) Caprolactam	5.470	55	7525	2.58	ppb	76
42) Hexachlorobutadiene	5.187	225	6788	1.90	ppb	95
43) 4-Chloro-3-methylphenol	5.823	107	13120	1.92	ppb	# 53
44) 2-Methylnaphthalene	5.898	142	31802	1.94	ppb	99
45) 1-Methylnaphthalene	6.053	142	28897	1.90	ppb	93
46) Dimethylnaphthalene	6.861	156	26454	1.94	ppb	98
48) Hexachlorocyclopentadiene	6.267	237	12320	3.59	ppb	96
49) 2,4,6-Trichlorophenol	6.401	196	8526	1.83	ppb	94
50) 2,4,5-Trichlorophenol	6.449	196	8685	1.87	ppb	98
52) 2-Chloronaphthalene	6.615	162	30727	2.08	ppb	97
53) Biphenyl	6.641	154	39564	2.13	ppb	98
54) 2-Nitroaniline	6.877	65	8634	2.02	ppb	91
55) Dimethylphthalate	7.278	163	35154	2.03	ppb	98
56) Acenaphthylene	7.246	152	45115	1.95	ppb	97
57) 2,6-Dinitrotoluene	7.342	165	7517	2.01	ppb	95
58) 3-Nitroaniline	7.529	138	8407	1.88	ppb	83
59) Acenaphthene	7.540	153	31092	2.11	ppb	93
60) 2,4-Dinitrophenol	7.679	184	4314	2.45	ppb	88
61) 4-Nitrophenol	7.882	109	3181	1.72	ppb	93
62) Dibenzofuran	7.791	168	44332	2.05	ppb	99
63) 2,4-Dinitrotoluene	7.930	165	9992	1.94	ppb	90
64) 2,3,4,6-Tetrachlorophenol	8.091	232	6199	1.66	ppb	97
65) Diethylphthalate	8.396	149	34363	2.03	ppb	99
66) Fluorene	8.321	166	33037	1.94	ppb	99
67) 4-Chlorophenyl-phenyle...	8.396	204	16469	1.98	ppb	98
68) 4-Nitroaniline	8.471	138	8867	1.94	ppb	93
70) 4,6-Dinitro-2-methylph...	8.540	198	3955	1.50	ppb	93
71) n-Nitrosodiphenylamine	8.604	169	24464	2.13	ppb	95
72) 1,2-Diphenylhydrazine	8.626	77	34049	2.06	ppb	96
74) 4-Bromophenyl-phenylether	9.134	248	8192	1.99	ppb	95
75) Hexachlorobenzene	9.300	284	9164	2.12	ppb	93
76) Pentachlorophenol	9.610	266	8789	3.40	ppb	95
77) Phenanthrene	9.781	178	49447	2.10	ppb	98
78) Anthracene	9.851	178	46351	2.06	ppb	98
79) Carbazole	10.166	167	43703	2.04	ppb	99
80) Di-n-butylphthalate	10.968	149	48048	1.95	ppb	99
81) Fluoranthene	11.594	202	45283	1.89	ppb	95
82) Octadecane	9.856	57	21796	2.64	ppb	84
84) Pyrene	11.872	202	50664	2.04	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30084.D
Acq On : 11 Oct 2010 3:51 pm
Operator : olgaa
Sample : ic1331-2
Misc : op45964,e3e1331,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 16:14:03 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Oct 11 14:36:06 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.883	149	17987	1.71	ppb	93
87) Butyl stearate	12.980	56	12606	2.37	ppb	76
88) Benzo[a]anthracene	13.316	228	40962	1.91	ppb	98
89) 3,3'-Dichlorobenzidine	13.359	252	11238	1.56	ppb	98
90) Chrysene	13.354	228	45008	2.05	ppb	98
91) bis(2-Ethylhexyl)phtha...	13.568	149	20077	1.54	ppb	92
93) Di-n-octylphthalate	14.162	149	25888	1.32	ppb	90
94) Benzo[b]fluoranthene	14.370	252	20574m	0.86	ppb	
95) Benzo[k]fluoranthene	14.392	252	55762	2.45	ppb	92
96) Benzo[a]pyrene	14.643	252	25290	1.53	ppb	95
97) Indeno[1,2,3-cd]pyrene	15.515	276	33290	1.86	ppb	88
98) Dibenz(a,h)acridine	15.365	279	15033	1.22	ppb	90
99) Dibenz[a,h]anthracene	15.536	278	24631	1.56	ppb	87
100) 7,12-Dimethylbenz(a)an...	14.397	256	14510	1.66	ppb	93
101) Benzo[g,h,i]perylene	15.702	276	34247	2.00	ppb	94

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

Manual Integration Approval Summary

Sample Number:

E3E1331-IC1331

Lab FileID:

3E30084.D

Injection Time:

10/11/10 15:51

Method:

SW846 8270C

Analyst approved:

10/12/10 15:18 Olga Azarihn

Supervisor approved:

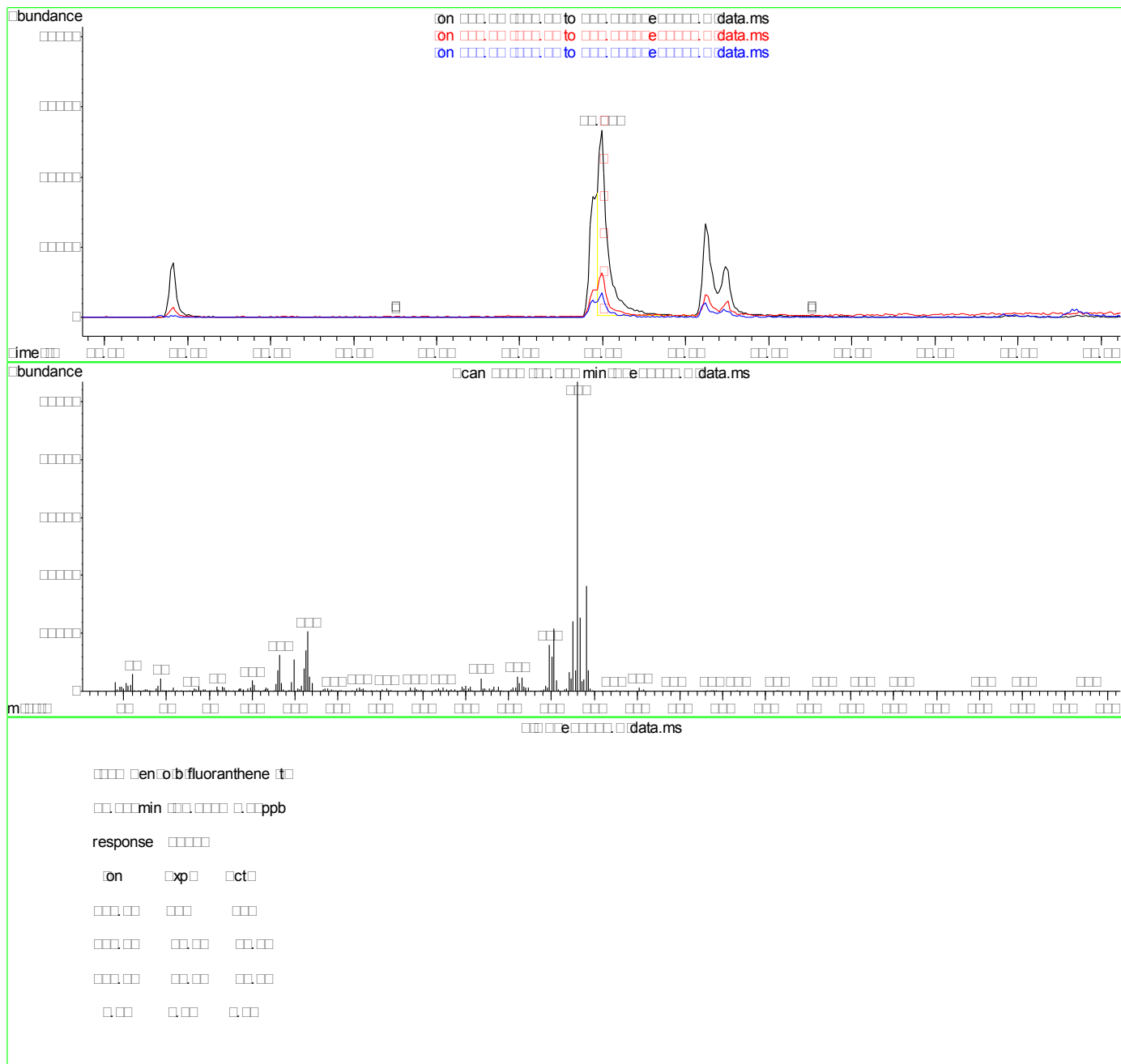
10/12/10 16:17 Kristi Schollenberger

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		14.37	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30084.D
Acq On : 11 Oct 2010 1:49 pm
Operator : olgaa
Sample : ic1331-2
Misc : op45964,e3e1331,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 14:14:40 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Oct 11 12:52:28 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30085.D
 Acq On : 11 Oct 2010 4:16 pm
 Operator : olgaa
 Sample : ic1331-100
 Misc : op45964,e3e1331,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 16:34:35 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Mon Oct 11 16:14:18 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.208	152	233841	40.00	ppb	0.00
24) Naphthalene-d8	4.860	136	909797	40.00	ppb	0.00
47) Acenaphthene-d10	7.502	164	584710	40.00	ppb	0.00
69) Phenanthrene-d10	9.765	188	936527	40.00	ppb	0.00
83) Chrysene-d12	13.338	240	902388	40.00	ppb	0.00
92) Perylene-d12	14.702	264	784413	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	3.208	152	233841	40.00	ppb	0.00
104) Acenaphthene-d10a	7.502	164	584710	40.00	ppb	0.00
106) Phenanthrene-d10a	9.765	188	936527	40.00	ppb	0.00
109) Chrysene-d12a	13.338	240	902388	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	782328	102.70	ppb	0.00
Spiked Amount 50.000			Recovery =	205.40%		
8) Phenol-d5	2.913	99	1009408	102.15	ppb	0.02
Spiked Amount 50.000			Recovery =	204.30%		
25) Nitrobenzene-d5	3.935	82	848389	97.58	ppb	0.01
Spiked Amount 50.000			Recovery =	195.16%		
51) 2-Fluorobiphenyl	6.545	172	1871507	93.10	ppb	0.01
Spiked Amount 50.000			Recovery =	186.20%		
73) 2,4,6-Tribromophenol	8.749	330	201776	127.17	ppb	0.01
Spiked Amount 50.000			Recovery =	254.34%		
85) Terphenyl-d14	12.204	244	1647882	111.32	ppb	0.00
Spiked Amount 50.000			Recovery =	222.64%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	271731	82.99	ppb	82
3) Pyridine	1.207	79	765068	111.58	ppb	74
4) N-Nitrosodimethylamine	1.196	74	463550	99.14	ppb	83
6) Indene	3.539	116	1146264	93.95	ppb	99
7) Cumene	2.427	105	1497397	91.97	ppb	98
9) Phenol	2.929	94	1116422	100.26	ppb	83
10) Aniline	2.903	93	1011994	79.35	ppb	92
11) bis(2-Chloroethyl)ether	2.994	93	754276	92.97	ppb	94
12) 2-Chlorophenol	3.020	128	850364	102.13	ppb	99
13) Decane	3.095	43	857728	90.19	ppb	87
14) 1,3-Dichlorobenzene	3.165	146	858746	93.19	ppb	100
15) 1,4-Dichlorobenzene	3.229	146	875976	90.65	ppb	99
16) Benzyl alcohol	3.437	108	594047	107.25	ppb	94
17) 1,2-Dichlorobenzene	3.443	146	823676	91.55	ppb	99
18) Acetophenone	3.753	105	1082565	93.68	ppb	99
19) 2-Methylphenol	3.619	108	742811	98.09	ppb	97
20) 2,2'-oxybis(1-Chloropr...	3.630	121	303299	95.54	ppb	# 48
21) 3&4-Methylphenol	3.823	108	819154	99.19	ppb	96
22) n-Nitroso-di-n-propyla...	3.817	70	557307	94.75	ppb	94
23) Hexachloroethane	3.817	201	271030	92.24	ppb	92
26) Nitrobenzene	3.962	123	447588	100.68	ppb	87
27) Quinoline	5.411	129	1567910	104.61	ppb	99
28) Isophorone	4.288	82	1462288	99.52	ppb	96
29) 2-Nitrophenol	4.384	139	481824	108.47	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30085.D
 Acq On : 11 Oct 2010 4:16 pm
 Operator : olgaa
 Sample : ic1331-100
 Misc : op45964,e3e1331,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 16:34:35 2010

Quant Method : C:\msdchem\1\METHODS\M3E1331.M

Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um

QLast Update : Mon Oct 11 16:14:18 2010

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.518	107	811181	111.62	ppb	94
31) Benzoic acid	4.823	105	686156	244.08	ppb	96
32) bis(2-Chloroethoxy)met...	4.652	93	908999	98.02	ppb	100
33) 2,4-Dichlorophenol	4.721	162	702637	106.18	ppb	98
34) 2,6-Dichlorophenol	5.047	162	688477	102.52	ppb	99
35) 1,3,5-Trichlorobenzene	4.390	180	689420	93.43	ppb	98
36) 1,2,4-Trichlorobenzene	4.817	180	689452	95.13	ppb	98
37) 1,2,3-Trichlorobenzene	5.160	180	672539	98.60	ppb	97
38) Naphthalene	4.887	128	2430109	92.23	ppb	98
39) 4-Chloroaniline	5.058	127	1024507	97.87	ppb	99
40) 2,3-Dichloroaniline	6.406	161	792963	100.67	ppb	97
41) Caprolactam	5.609	55	433758	108.61	ppb	86
42) Hexachlorobutadiene	5.192	225	359328	99.75	ppb	98
43) 4-Chloro-3-methylphenol	5.855	107	750333	107.76	ppb	95
44) 2-Methylnaphthalene	5.909	142	1704630	101.00	ppb	96
45) 1-Methylnaphthalene	6.064	142	1566505	102.15	ppb	99
46) Dimethylnaphthalene	6.871	156	1440563	102.61	ppb	99
48) Hexachlorocyclopentadiene	6.272	237	738418	223.82	ppb	99
49) 2,4,6-Trichlorophenol	6.422	196	494195	108.23	ppb	99
50) 2,4,5-Trichlorophenol	6.476	196	520204	111.84	ppb	97
52) 2-Chloronaphthalene	6.631	162	1550548	94.22	ppb	98
53) Biphenyl	6.657	154	1968831	92.92	ppb	97
54) 2-Nitroaniline	6.898	65	511635	110.64	ppb	95
55) Dimethylphthalate	7.299	163	1800421	95.63	ppb	99
56) Acenaphthylene	7.256	152	2500743	103.50	ppb	98
57) 2,6-Dinitrotoluene	7.369	165	431721	107.24	ppb	97
58) 3-Nitroaniline	7.556	138	508386	112.91	ppb	98
59) Acenaphthene	7.556	153	1544012	92.72	ppb	100
60) 2,4-Dinitrophenol	7.711	184	499514	432.39	ppb	94
61) 4-Nitrophenol	7.920	109	237555	139.44	ppb	88
62) Dibenzofuran	7.813	168	2230446	93.94	ppb	89
63) 2,4-Dinitrotoluene	7.957	165	591977	110.62	ppb	94
64) 2,3,4,6-Tetrachlorophenol	8.107	232	404564	121.86	ppb	99
65) Diethylphthalate	8.422	149	1801773	97.90	ppb	99
66) Fluorene	8.337	166	1798748	101.66	ppb	99
67) 4-Chlorophenyl-phenyle...	8.406	204	837182	94.91	ppb	99
68) 4-Nitroaniline	8.535	138	514184	108.27	ppb	94
70) 4,6-Dinitro-2-methylph...	8.583	198	369853	176.35	ppb	98
71) n-Nitrosodiphenylamine	8.631	169	1312617	101.18	ppb	98
72) 1,2-Diphenylhydrazine	8.647	77	1785014	98.86	ppb	96
74) 4-Bromophenyl-phenylether	9.150	248	448867	103.33	ppb	95
75) Hexachlorobenzene	9.316	284	446696	91.92	ppb	95
76) Pentachlorophenol	9.631	266	666487	286.01	ppb	98
77) Phenanthrene	9.802	178	2411679	91.98	ppb	98
78) Anthracene	9.872	178	2357986	95.93	ppb	99
79) Carbazole	10.187	167	2373264	102.41	ppb	99
80) Di-n-butylphthalate	10.984	149	2974156	116.73	ppb	98
81) Fluoranthene	11.610	202	2574721	107.22	ppb	96
82) Octadecane	9.867	57	1195977	103.48	ppb	88
84) Pyrene	11.888	202	2666762	100.56	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30085.D
 Acq On : 11 Oct 2010 4:16 pm
 Operator : olgaa
 Sample : ic1331-100
 Misc : op45964,e3e1331,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 16:34:35 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Mon Oct 11 16:14:18 2010
 Response via : Initial Calibration

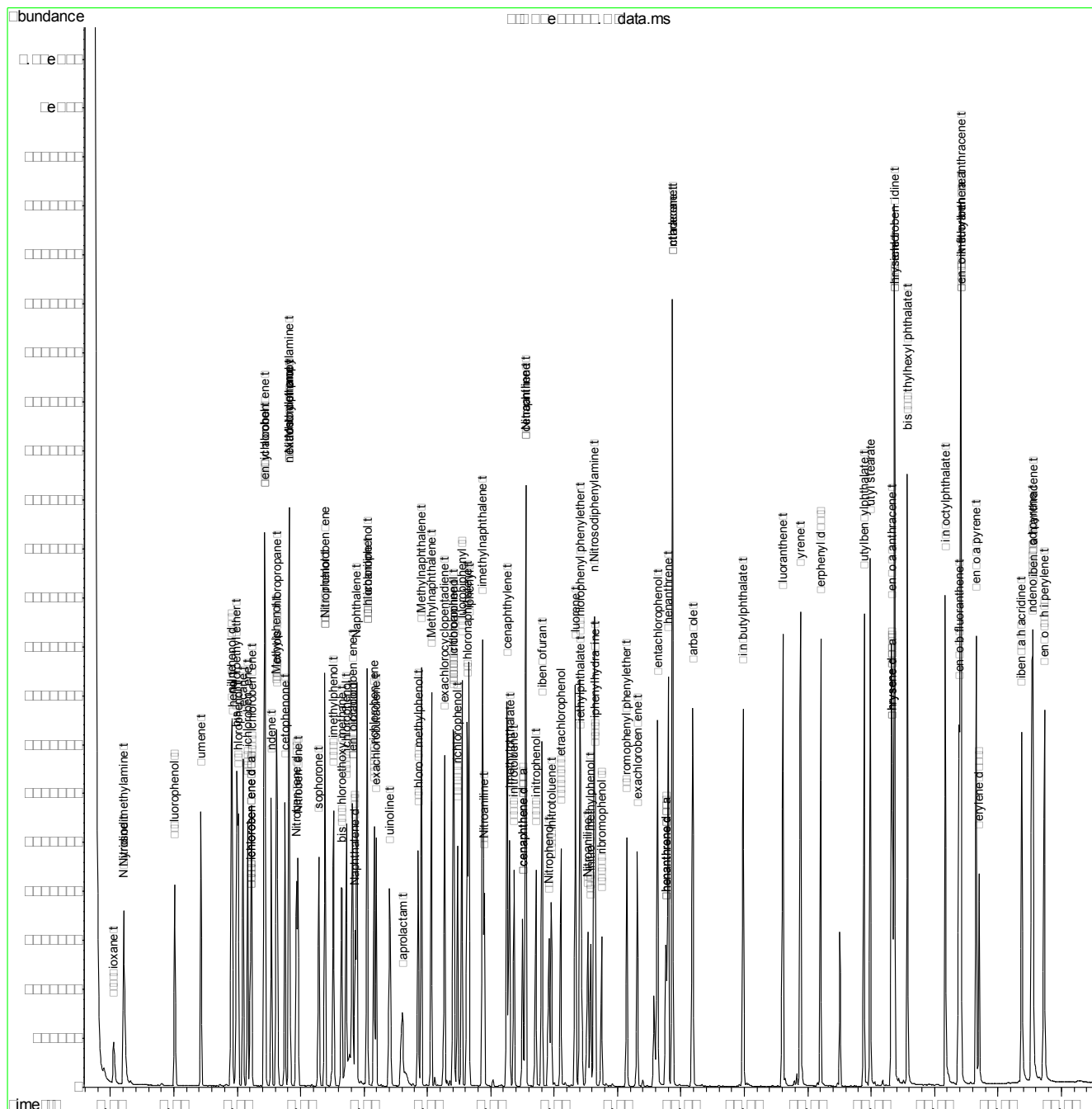
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.889	149	1336294	141.93	ppb	99
87) Butyl stearate	12.985	56	852548	129.20	ppb	83
88) Benzo[a]anthracene	13.322	228	2282359	106.45	ppb	99
89) 3,3'-Dichlorobenzidine	13.370	252	879769	149.56	ppb	99
90) Chrysene	13.370	228	2241606	95.15	ppb	97
91) bis(2-Ethylhexyl)phtha...	13.573	149	1750768	166.59	ppb	98
93) Di-n-octylphthalate	14.167	149	2926131	222.23	ppb	93
94) Benzo[b]fluoranthene	14.386	252	2646049m	252.87	ppb	
95) Benzo[k]fluoranthene	14.418	252	1967089m	69.36	ppb	
96) Benzo[a]pyrene	14.659	252	2149662	167.12	ppb	97
97) Indeno[1,2,3-cd]pyrene	15.536	276	2480930	146.53	ppb	94
98) Dibenz(a,h)acridine	15.381	279	1830319	239.38	ppb	98
99) Dibenz[a,h]anthracene	15.557	278	2095677	167.29	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.418	256	1026320	139.07	ppb	97
101) Benzo[g,h,i]perylene	15.734	276	2099634	120.54	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30085.D
Acq On : 11 Oct 2010 4:16 pm
Operator : olgaa
Sample : ic1331-100
Misc : op45964,e3e1331,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 16:34:35 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Oct 11 16:14:18 2010
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:

E3E1331-IC1331

Lab FileID:

3E30085.D

Injection Time:

10/11/10 16:16

Method:

SW846 8270C

Analyst approved:

10/12/10 15:18 Olga Azarihn

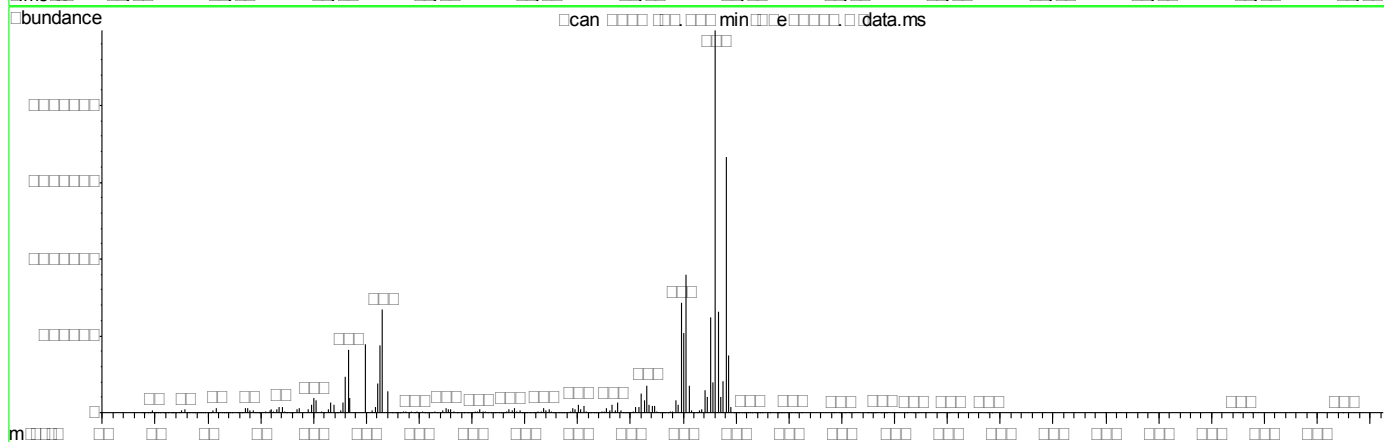
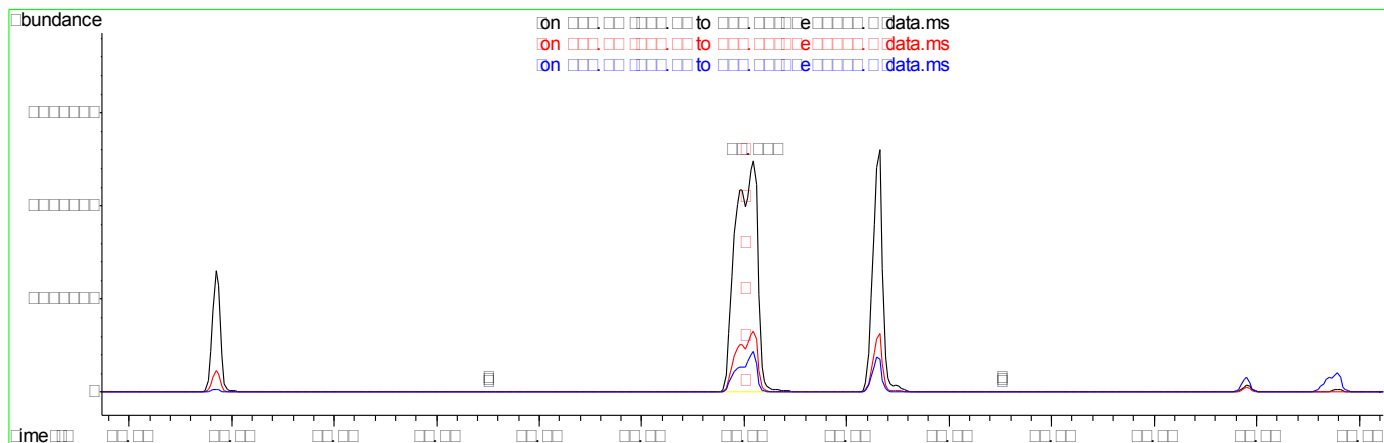
Supervisor approved:

10/12/10 16:17 Kristi Schollenberger

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		14.39	Overlapping peak
Benzo(k)fluoranthene	207-08-9		14.42	Overlapping peak

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30085.D
Acq On : 11 Oct 2010 2:16 pm
Operator : olgaa
Sample : ic1331-100
Misc : op45964,e3e1331,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 14:34:25 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Oct 11 12:52:28 2010
Response via : Initial Calibration

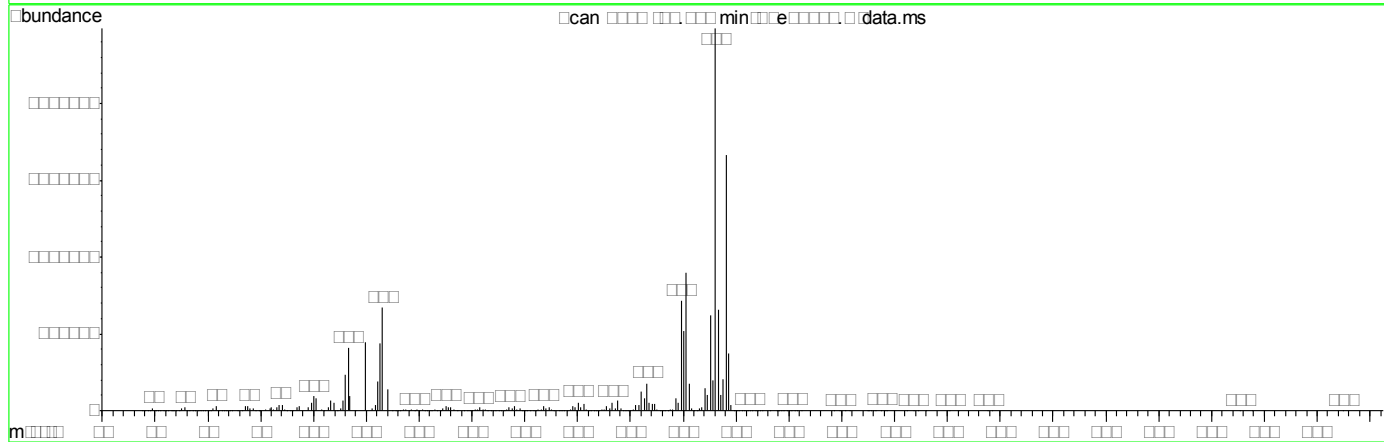
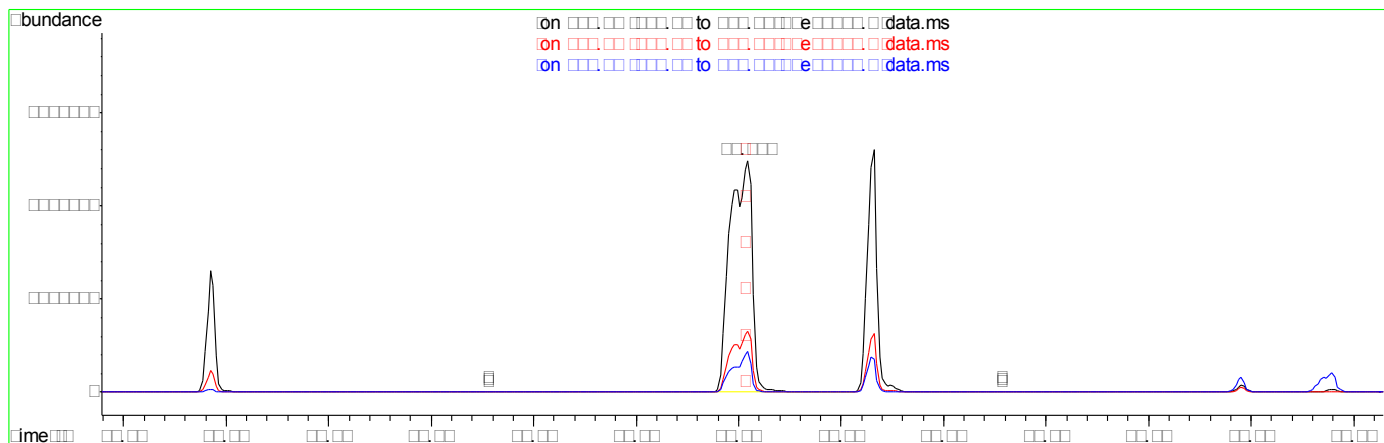


en b fluoranthene t
 min . ppb
 response
 on xp ct
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30085.D
Acq On : 11 Oct 2010 2:16 pm
Operator : olgaa
Sample : ic1331-100
Misc : op45964,e3e1331,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 14:34:25 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Oct 11 12:52:28 2010
Response via : Initial Calibration

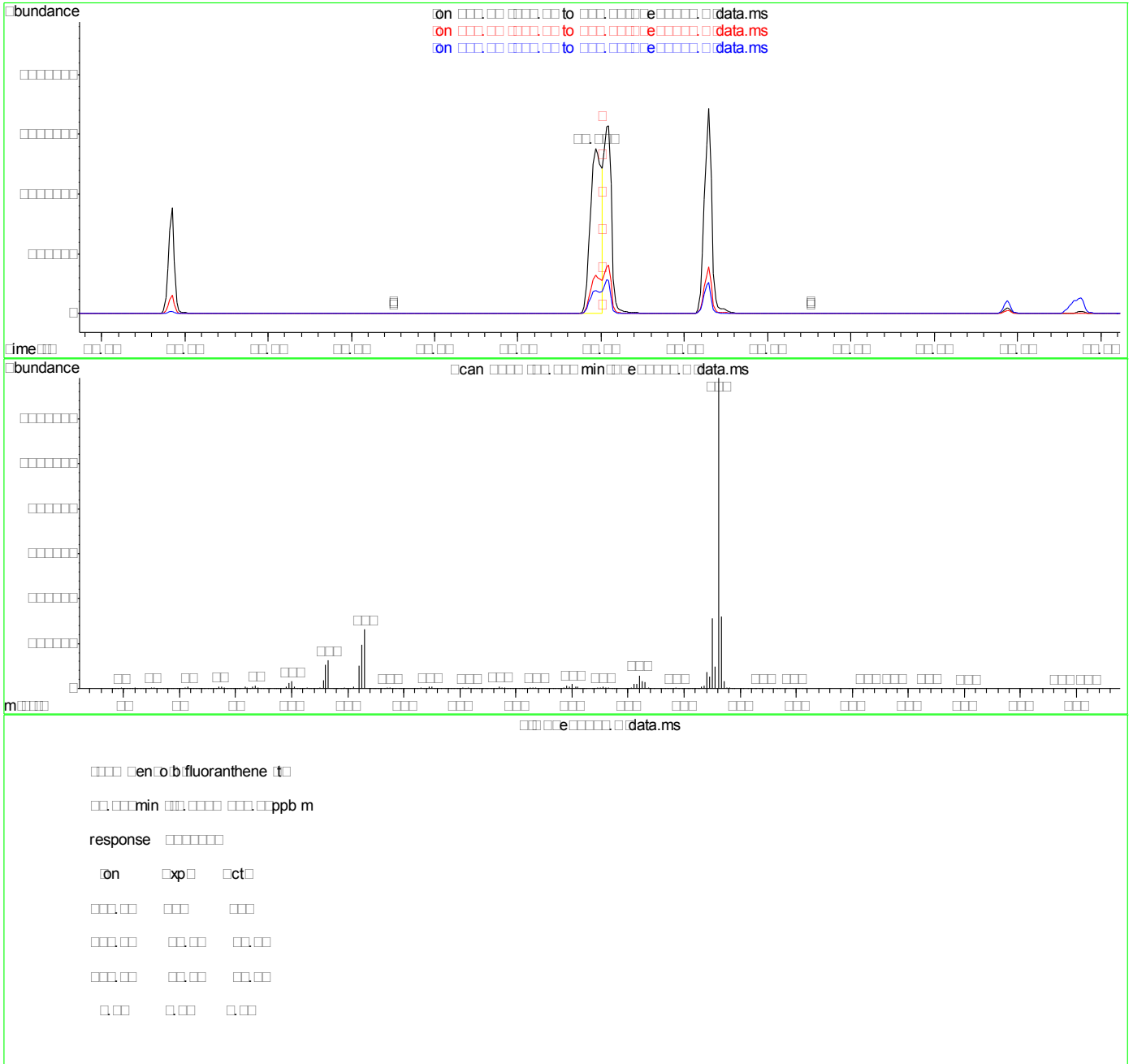


Benzo[k]fluoranthene (t)
min [] [] [] [] [] ppb
response [] [] [] [] []
on [] [] [] [] []
[] [] [] [] []
[] [] [] [] []
[] [] [] [] []
[] [] [] [] []

Quantitation Report (Qedit)

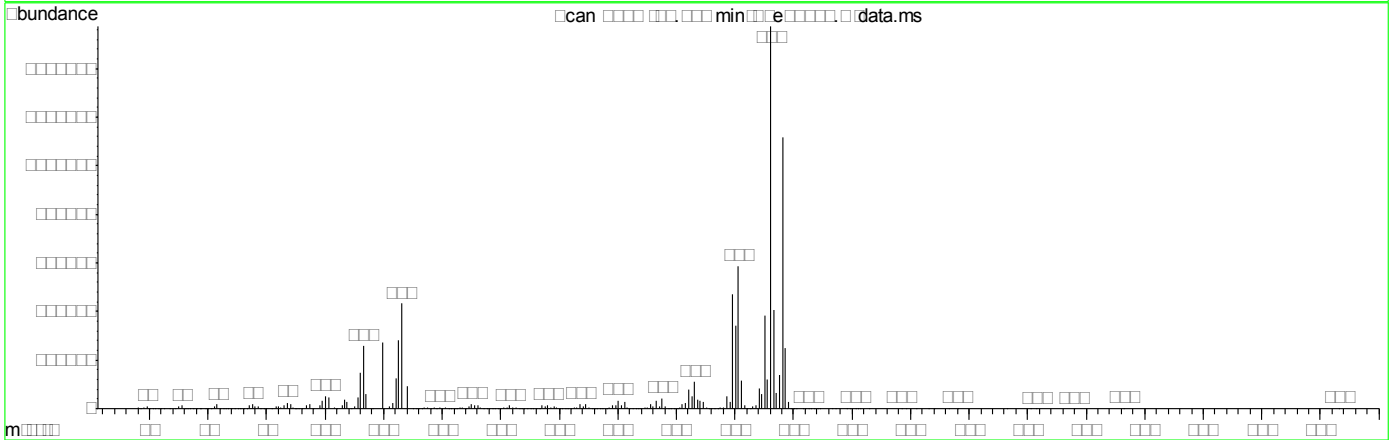
Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30085.D
Acq On : 11 Oct 2010 4:16 pm
Operator : olgaa
Sample : ic1331-100
Misc : op45964,e3e1331,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 16:34:35 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Mon Oct 11 16:14:18 2010
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30085.D
Acq On : 11 Oct 2010 4:16 pm
Operator : olgaa
Sample : ic1331-100
Misc : op45964,e3e1331,
ALS Vial : 3 Sample Multiplier: 1

8.6.2.5



446 of 594
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JA58043

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30086.D
 Acq On : 11 Oct 2010 5:09 pm
 Operator : olgaa
 Sample : ic1331-80
 Misc : op45964,e3e1331,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:55:58 2010

Quant Method : C:\msdchem\1\METHODS\M3E1331.M

Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um

QLast Update : Tue Oct 12 08:55:40 2010

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.207	152	237290	40.00	ppb	0.00
24) Naphthalene-d8	4.860	136	934952	40.00	ppb	0.00
47) Acenaphthene-d10	7.502	164	584892	40.00	ppb	0.00
69) Phenanthrene-d10	9.760	188	933182	40.00	ppb	0.00
83) Chrysene-d12	13.343	240	906056	40.00	ppb	0.00
92) Perylene-d12	14.702	264	787559	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.207	152	237290	40.00	ppb	0.00
104) Acenaphthene-d10a	7.502	164	584892	40.00	ppb	0.00
106) Phenanthrene-d10a	9.760	188	933182	40.00	ppb	0.00
109) Chrysene-d12a	13.343	240	906056	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.015	112	653565	83.43	ppb	0.00
Spiked Amount 50.000			Recovery =	166.86%		
8) Phenol-d5	2.908	99	837847	82.67	ppb	0.00
Spiked Amount 50.000			Recovery =	165.34%		
25) Nitrobenzene-d5	3.935	82	713801	80.87	ppb	0.00
Spiked Amount 50.000			Recovery =	161.74%		
51) 2-Fluorobiphenyl	6.545	172	1545480	79.60	ppb	0.00
Spiked Amount 50.000			Recovery =	159.20%		
73) 2,4,6-Tribromophenol	8.743	330	164979	91.87	ppb	0.00
Spiked Amount 50.000			Recovery =	183.74%		
85) Terphenyl-d14	12.204	244	1385408	88.22	ppb	0.00
Spiked Amount 50.000			Recovery =	176.44%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	227908	74.97	ppb	79
3) Pyridine	1.207	79	642426	87.28	ppb	75
4) N-Nitrosodimethylamine	1.202	74	389769	82.50	ppb	86
6) Indene	3.539	116	971133	80.89	ppb	99
7) Cumene	2.427	105	1268804	80.01	ppb	98
9) Phenol	2.924	94	926456	81.89	ppb	84
10) Aniline	2.903	93	861206	74.21	ppb	95
11) bis(2-Chloroethyl)ether	2.988	93	633175	79.71	ppb	96
12) 2-Chlorophenol	3.015	128	711580	83.33	ppb	97
13) Decane	3.095	43	730935	79.65	ppb	87
14) 1,3-Dichlorobenzene	3.165	146	731712	81.01	ppb	100
15) 1,4-Dichlorobenzene	3.224	146	745540	79.76	ppb	99
16) Benzyl alcohol	3.432	108	493469	84.72	ppb	92
17) 1,2-Dichlorobenzene	3.443	146	688988	78.80	ppb	98
18) Acetophenone	3.753	105	907036	79.87	ppb	99
19) 2-Methylphenol	3.614	108	623597	81.93	ppb	97
20) 2,2'-oxybis(1-Chloropr...	3.630	121	255498	81.12	ppb	# 52
21) 3&4-Methylphenol	3.817	108	677426	81.16	ppb	95
22) n-Nitroso-di-n-propyla...	3.812	70	465320	80.06	ppb	86
23) Hexachloroethane	3.812	201	224854	78.46	ppb	87
26) Nitrobenzene	3.956	123	371374	81.01	ppb	92
27) Quinoline	5.400	129	1310593	83.17	ppb	99
28) Isophorone	4.283	82	1228025	81.52	ppb	97
29) 2-Nitrophenol	4.384	139	401160	84.31	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30086.D
 Acq On : 11 Oct 2010 5:09 pm
 Operator : olgaa
 Sample : ic1331-80
 Misc : op45964,e3e1331,
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:55:58 2010

Quant Method : C:\msdchem\1\METHODS\M3E1331.M

Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um

QLast Update : Tue Oct 12 08:55:40 2010

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.513	107	663828	84.00	ppb	95
31) Benzoic acid	4.801	105	480360	96.65	ppb	96
32) bis(2-Chloroethoxy)met...	4.646	93	756334	80.16	ppb	99
33) 2,4-Dichlorophenol	4.716	162	588168	83.90	ppb	98
34) 2,6-Dichlorophenol	5.042	162	576401	82.48	ppb	99
35) 1,3,5-Trichlorobenzene	4.384	180	574455	78.33	ppb	98
36) 1,2,4-Trichlorobenzene	4.817	180	575155	79.15	ppb	99
37) 1,2,3-Trichlorobenzene	5.154	180	552216	79.34	ppb	97
38) Naphthalene	4.887	128	2063140	79.28	ppb	99
39) 4-Chloroaniline	5.053	127	864215	81.20	ppb	99
40) 2,3-Dichloroaniline	6.406	161	660921	81.38	ppb	98
41) Caprolactam	5.593	55	356797	83.35	ppb	86
42) Hexachlorobutadiene	5.192	225	297225	80.39	ppb	99
43) 4-Chloro-3-methylphenol	5.850	107	617585	83.09	ppb	# 43
44) 2-Methylnaphthalene	5.903	142	1424842	81.74	ppb	97
45) 1-Methylnaphthalene	6.058	142	1311596	82.34	ppb	99
46) Dimethylnaphthalene	6.871	156	1199039	82.04	ppb	99
48) Hexachlorocyclopentadiene	6.272	237	611450	174.86	ppb	98
49) 2,4,6-Trichlorophenol	6.417	196	407056	85.59	ppb	99
50) 2,4,5-Trichlorophenol	6.470	196	423970	86.03	ppb	97
52) 2-Chloronaphthalene	6.625	162	1287034	80.51	ppb	98
53) Biphenyl	6.657	154	1641017	80.26	ppb	97
54) 2-Nitroaniline	6.898	65	419732	86.16	ppb	98
55) Dimethylphthalate	7.294	163	1507658	81.84	ppb	99
56) Acenaphthylene	7.256	152	2097060	85.27	ppb	99
57) 2,6-Dinitrotoluene	7.363	165	356567	85.45	ppb	97
58) 3-Nitroaniline	7.551	138	418682	87.32	ppb	98
59) Acenaphthene	7.551	153	1298168	80.88	ppb	99
60) 2,4-Dinitrophenol	7.706	184	404007	221.13	ppb	97
61) 4-Nitrophenol	7.914	109	194335	95.25	ppb	89
62) Dibenzofuran	7.807	168	1844759	80.10	ppb	97
63) 2,4-Dinitrotoluene	7.952	165	484054	85.87	ppb	99
64) 2,3,4,6-Tetrachlorophenol	8.101	232	330095	89.60	ppb	99
65) Diethylphthalate	8.422	149	1492942	81.96	ppb	99
66) Fluorene	8.337	166	1512256	84.74	ppb	98
67) 4-Chlorophenyl-phenyle...	8.406	204	690492	80.30	ppb	98
68) 4-Nitroaniline	8.524	138	423220	85.55	ppb	94
70) 4,6-Dinitro-2-methylph...	8.572	198	293549	101.66	ppb	# 63
71) n-Nitrosodiphenylamine	8.626	169	1080913	83.13	ppb	99
72) 1,2-Diphenylhydrazine	8.642	77	1475293	82.47	ppb	98
74) 4-Bromophenyl-phenylether	9.144	248	368736	83.79	ppb	98
75) Hexachlorobenzene	9.310	284	367115	79.01	ppb	98
76) Pentachlorophenol	9.631	266	539577	191.25	ppb	98
77) Phenanthrene	9.797	178	2003869	79.90	ppb	98
78) Anthracene	9.867	178	1971428	82.17	ppb	99
79) Carbazole	10.182	167	1973511	84.45	ppb	99
80) Di-n-butylphthalate	10.979	149	2457806	89.34	ppb	98
81) Fluoranthene	11.605	202	2158994	87.09	ppb	96
82) Octadecane	9.867	57	989839	84.48	ppb	87
84) Pyrene	11.888	202	2232905	83.62	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30086.D
Acq On : 11 Oct 2010 5:09 pm
Operator : olgaa
Sample : ic1331-80
Misc : op45964,e3e1331,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:55:58 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:55:40 2010
Response via : Initial Calibration

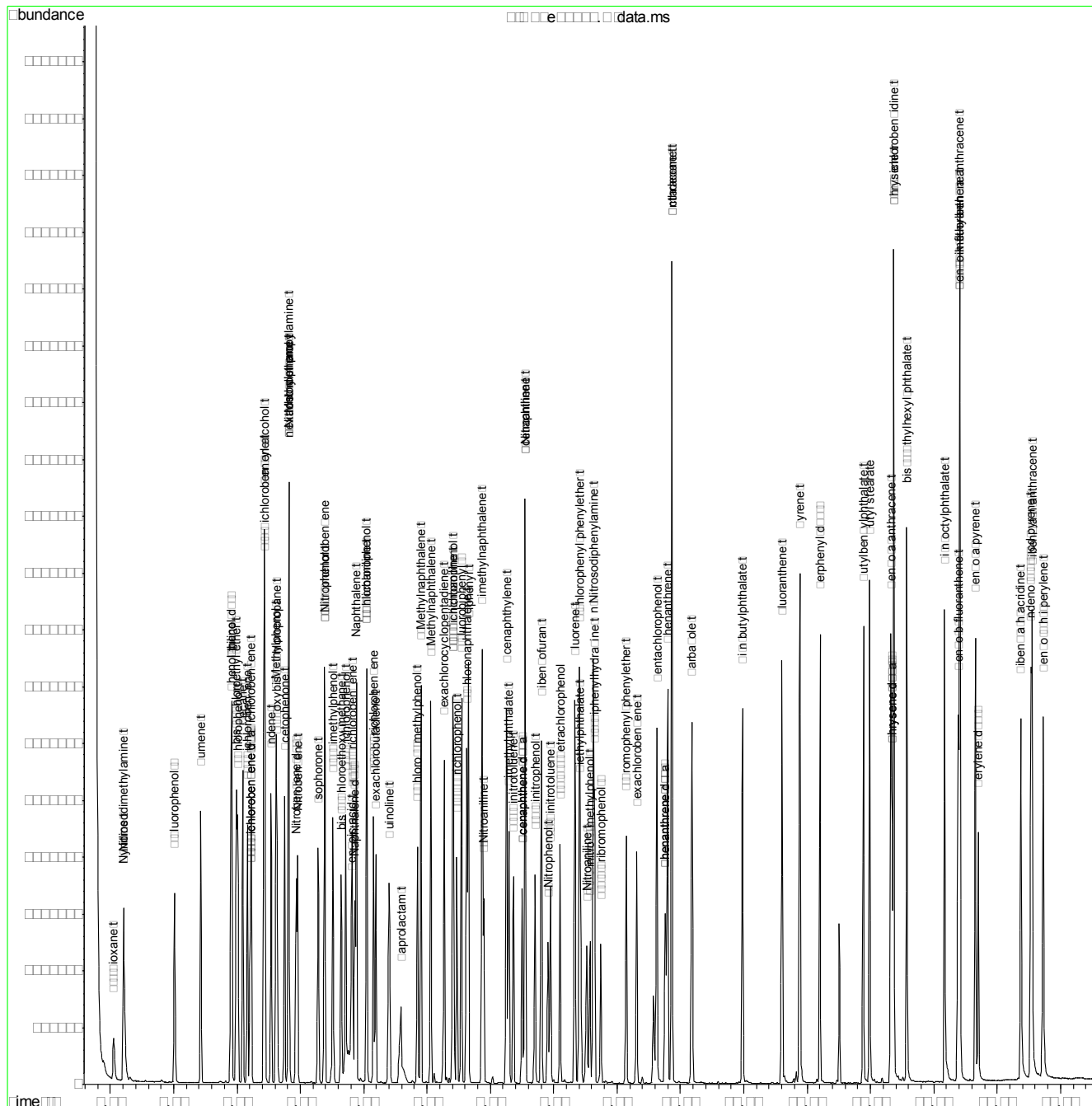
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.889	149	1108076	96.90	ppb	98
87) Butyl stearate	12.985	56	707355	93.16	ppb	82
88) Benzo[a]anthracene	13.322	228	1913962	86.13	ppb	99
89) 3,3'-Dichlorobenzidine	13.370	252	735496	99.80	ppb	99
90) Chrysene	13.370	228	1875137	81.24	ppb	98
91) bis(2-Ethylhexyl)phtha...	13.573	149	1471288	104.60	ppb	99
93) Di-n-octylphthalate	14.167	149	2463020	115.64	ppb	94
94) Benzo[b]fluoranthene	14.386	252	2003494	108.08	ppb	97
95) Benzo[k]fluoranthene	14.413	252	1879518	77.95	ppb	93
96) Benzo[a]pyrene	14.654	252	1789553	103.75	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.536	276	2070420	98.81	ppb	94
98) Dibenz(a,h)acridine	15.376	279	1513732	116.20	ppb	98
99) Dibenz[a,h]anthracene	15.552	278	1741896	103.63	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.413	256	856959	96.76	ppb	99
101) Benzo[g,h,i]perylene	15.729	276	1769623	91.76	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30086.D
Acq On : 11 Oct 2010 5:09 pm
Operator : olgaa
Sample : ic1331-80
Misc : op45964,e3e1331,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 12 08:55:58 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:55:40 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30087.D
 Acq On : 11 Oct 2010 5:34 pm
 Operator : olgaa
 Sample : ic1331-1
 Misc : op45964,e3e1331,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 08:58:01 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 08:56:06 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	235427	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	938838	40.00	ppb	-0.01
47) Acenaphthene-d10	7.497	164	585481	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	935333	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	899834	40.00	ppb	-0.02
92) Perylene-d12	14.697	264	803587	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	235427	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	585481	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	935333	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	899834	40.00	ppb	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	2.010	112	7258	0.92	ppb	0.00
Spiked Amount 50.000			Recovery	=	1.84%	
8) Phenol-d5	2.898	99	10493	1.03	ppb	-0.01
Spiked Amount 50.000			Recovery	=	2.06%	
25) Nitrobenzene-d5	3.919	82	9362	1.05	ppb	-0.02
Spiked Amount 50.000			Recovery	=	2.10%	
51) 2-Fluorobiphenyl	6.529	172	20546	1.06	ppb	-0.02
Spiked Amount 50.000			Recovery	=	2.12%	
73) 2,4,6-Tribromophenol	8.728	330	1581	0.84	ppb	-0.02
Spiked Amount 50.000			Recovery	=	1.68%	
85) Terphenyl-d14	12.193	244	15882	0.98	ppb	-0.01
Spiked Amount 50.000			Recovery	=	1.96%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.058	88	3464	1.17	ppb	92
3) Pyridine	1.229	79	9239	1.23	ppb	76
4) N-Nitrosodimethylamine	1.207	74	5154	1.09	ppb	99
6) Indene	3.534	116	12477	1.04	ppb	98
7) Cumene	2.427	105	16508	1.05	ppb	93
9) Phenol	2.903	94	11889	1.05	ppb	65
10) Aniline	2.898	93	14213	1.26	ppb	92
11) bis(2-Chloroethyl)ether	2.978	93	8922	1.13	ppb	96
12) 2-Chlorophenol	3.010	128	8998	1.05	ppb	98
13) Decane	3.085	43	9830	1.08	ppb	83
14) 1,3-Dichlorobenzene	3.160	146	9486	1.05	ppb	89
15) 1,4-Dichlorobenzene	3.224	146	10054	1.09	ppb	97
16) Benzyl alcohol	3.422	108	5889	1.00	ppb	92
17) 1,2-Dichlorobenzene	3.438	146	9279	1.07	ppb	97
18) Acetophenone	3.737	105	11450	1.02	ppb	96
19) 2-Methylphenol	3.604	108	7700	1.01	ppb	94
20) 2,2'-oxybis(1-Chloropr...	3.625	121	3295	1.05	ppb	# 38
21) 3&4-Methylphenol	3.796	108	8499	1.02	ppb	96
22) n-Nitroso-di-n-propyla...	3.796	70	6231	1.08	ppb	90
23) Hexachloroethane	3.812	201	3211	1.14	ppb	91
26) Nitrobenzene	3.940	123	4878	1.06	ppb	93
27) Quinoline	5.379	129	16771	1.05	ppb	96
28) Isophorone	4.267	82	16102	1.06	ppb	97
29) 2-Nitrophenol	4.374	139	4686	0.96	ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30087.D
 Acq On : 11 Oct 2010 5:34 pm
 Operator : olgaa
 Sample : ic1331-1
 Misc : op45964,e3e1331,
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 08:58:01 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 08:56:06 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.502	107	7704	0.95	ppb	98
31) Benzoic acid	4.614	105	3856	0.72	ppb	85
32) bis(2-Chloroethoxy)met...	4.636	93	10113	1.07	ppb	95
33) 2,4-Dichlorophenol	4.705	162	6937	0.97	ppb	97
34) 2,6-Dichlorophenol	5.032	162	6772	0.96	ppb	98
35) 1,3,5-Trichlorobenzene	4.374	180	7602	1.04	ppb	96
36) 1,2,4-Trichlorobenzene	4.807	180	8054	1.11	ppb	93
37) 1,2,3-Trichlorobenzene	5.149	180	7374	1.06	ppb	92
38) Naphthalene	4.877	128	28874	1.11	ppb	99
39) 4-Chloroaniline	5.037	127	11828	1.10	ppb	90
40) 2,3-Dichloroaniline	6.401	161	8574	1.05	ppb	96
41) Caprolactam	5.476	55	4252	0.98	ppb	85
42) Hexachlorobutadiene	5.187	225	4185	1.13	ppb	93
43) 4-Chloro-3-methylphenol	5.823	107	7441	0.98	ppb	96
44) 2-Methylnaphthalene	5.898	142	18558	1.05	ppb	97
45) 1-Methylnaphthalene	6.053	142	17253	1.07	ppb	97
46) Dimethylnaphthalene	6.861	156	14939	1.01	ppb	96
48) Hexachlorocyclopentadiene	6.267	237	6843	1.90	ppb	96
49) 2,4,6-Trichlorophenol	6.401	196	4692	0.96	ppb	95
50) 2,4,5-Trichlorophenol	6.449	196	5093	1.01	ppb	95
52) 2-Chloronaphthalene	6.615	162	17190	1.07	ppb	97
53) Biphenyl	6.647	154	22186	1.08	ppb	99
54) 2-Nitroaniline	6.882	65	4668	0.93	ppb	85
55) Dimethylphthalate	7.278	163	19961	1.07	ppb	97
56) Acenaphthylene	7.246	152	26604	1.06	ppb	97
57) 2,6-Dinitrotoluene	7.342	165	4208	0.99	ppb	83
58) 3-Nitroaniline	7.524	138	5057	1.02	ppb	74
59) Acenaphthene	7.540	153	17663	1.10	ppb	99
60) 2,4-Dinitrophenol	7.685	184	2230	1.08	ppb	82
61) 4-Nitrophenol	7.882	109	1495	0.69	ppb	81
62) Dibenzofuran	7.792	168	24688	1.07	ppb	96
63) 2,4-Dinitrotoluene	7.931	165	5179	0.90	ppb	98
64) 2,3,4,6-Tetrachlorophenol	8.091	232	3327	0.87	ppb	97
65) Diethylphthalate	8.396	149	18161	0.99	ppb	96
66) Fluorene	8.321	166	19302	1.06	ppb	95
67) 4-Chlorophenyl-phenyle...	8.396	204	9252	1.07	ppb	95
68) 4-Nitroaniline	8.471	138	4815	0.95	ppb	85
70) 4,6-Dinitro-2-methylph...	8.535	198	2001	0.63	ppb	98
71) n-Nitrosodiphenylamine	8.604	169	14278	1.08	ppb	96
72) 1,2-Diphenylhydrazine	8.626	77	17600	0.97	ppb	88
74) 4-Bromophenyl-phenylether	9.134	248	4601	1.03	ppb	83
75) Hexachlorobenzene	9.294	284	5054	1.09	ppb	95
76) Pentachlorophenol	9.610	266	3878	1.29	ppb	93
77) Phenanthrene	9.781	178	28759	1.14	ppb	99
78) Anthracene	9.851	178	26979	1.11	ppb	96
79) Carbazole	10.166	167	24615	1.03	ppb	98
80) Di-n-butylphthalate	10.969	149	27319	0.95	ppb	97
81) Fluoranthene	11.594	202	25561	1.00	ppb	99
82) Octadecane	9.856	57	11551	0.97	ppb	88
84) Pyrene	11.873	202	27921	1.04	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30087.D
Acq On : 11 Oct 2010 5:34 pm
Operator : olgaa
Sample : ic1331-1
Misc : op45964,e3e1331,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 08:58:01 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:56:06 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.883	149	10238	0.84	ppb	92
87) Butyl stearate	12.980	56	8311	1.04	ppb	81
88) Benzo[a]anthracene	13.317	228	23760	1.05	ppb	96
89) 3,3'-Dichlorobenzidine	13.354	252	5855	0.74	ppb	87
90) Chrysene	13.354	228	26918	1.17	ppb	94
91) bis(2-Ethylhexyl)phtha...	13.573	149	10218	0.66	ppb	99
93) Di-n-octylphthalate	14.156	149	9204	0.37	ppb	86
94) Benzo[b]fluoranthene	14.381	252	11397m	0.54	ppb	
95) Benzo[k]fluoranthene	14.392	252	26340m	1.08	ppb	
96) Benzo[a]pyrene	14.643	252	10662	0.55	ppb	91
97) Indeno[1,2,3-cd]pyrene	15.531	276	13782	0.60	ppb	95
98) Dibenz(a,h)acridine	15.371	279	8351	0.55	ppb	84
99) Dibenz[a,h]anthracene	15.536	278	12133	0.64	ppb	83
100) 7,12-Dimethylbenz(a)an...	14.397	256	7834	0.81	ppb	94
101) Benzo[g,h,i]perylene	15.707	276	16194	0.78	ppb	90

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

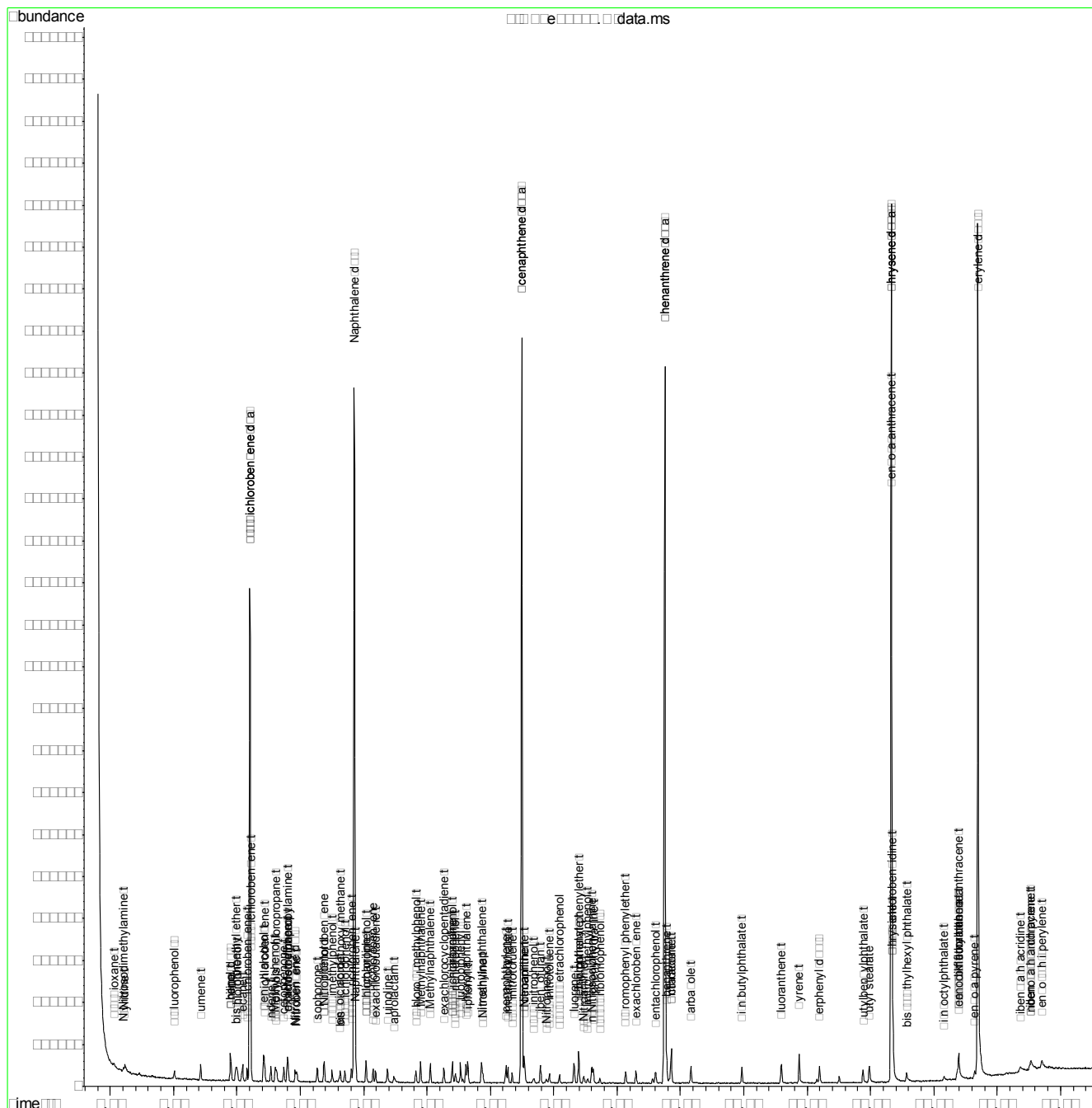
8.6.4

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30087.D
Acq On : 11 Oct 2010 5:34 pm
Operator : olgaa
Sample : ic1331-1
Misc : op45964,e3e1331,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 08:58:01 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:56:06 2010
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:

E3E1331-IC1331

Lab FileID:

3E30087.D

Injection Time:

10/11/10 17:34

Method:

SW846 8270C

Analyst approved:

10/12/10 15:18 Olga Azarihn

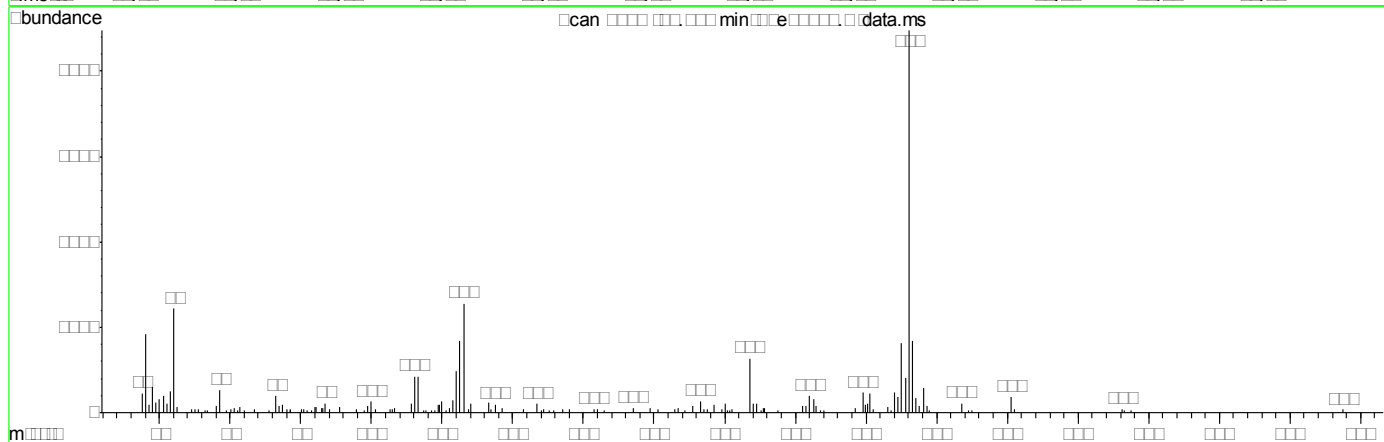
Supervisor approved:

10/12/10 16:17 Kristi Schollenberger

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		14.38	Overlapping peak
Benzo(k)fluoranthene	207-08-9		14.39	Overlapping peak

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30087.D
Acq On : 11 Oct 2010 5:34 pm
Operator : olgaa
Sample : ic1331-1
Misc : op45964,e3e1331,
ALS Vial : 5 Sample Multiplier: 1

8.6.4.2



en b fluoranthene

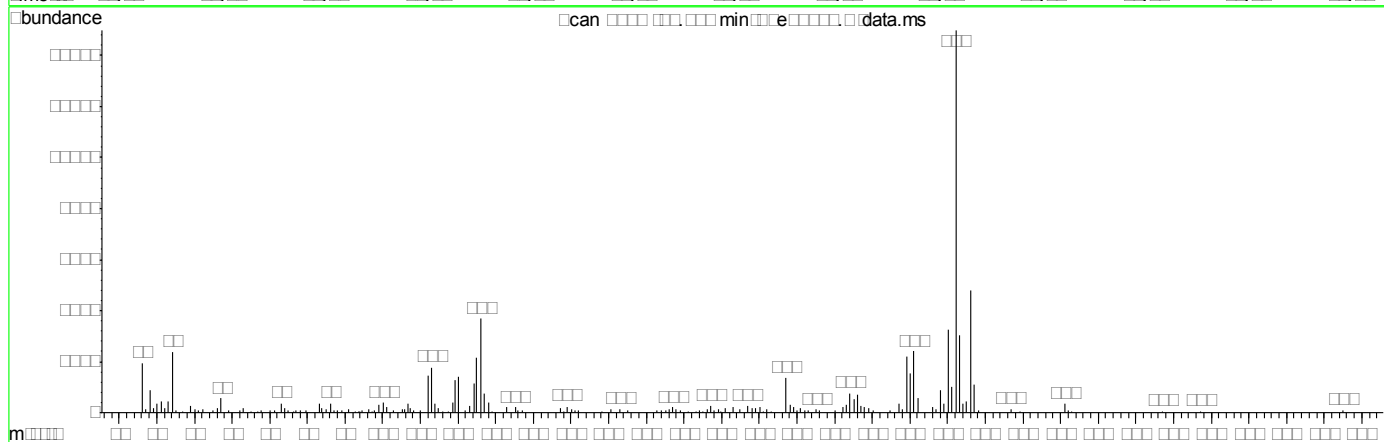
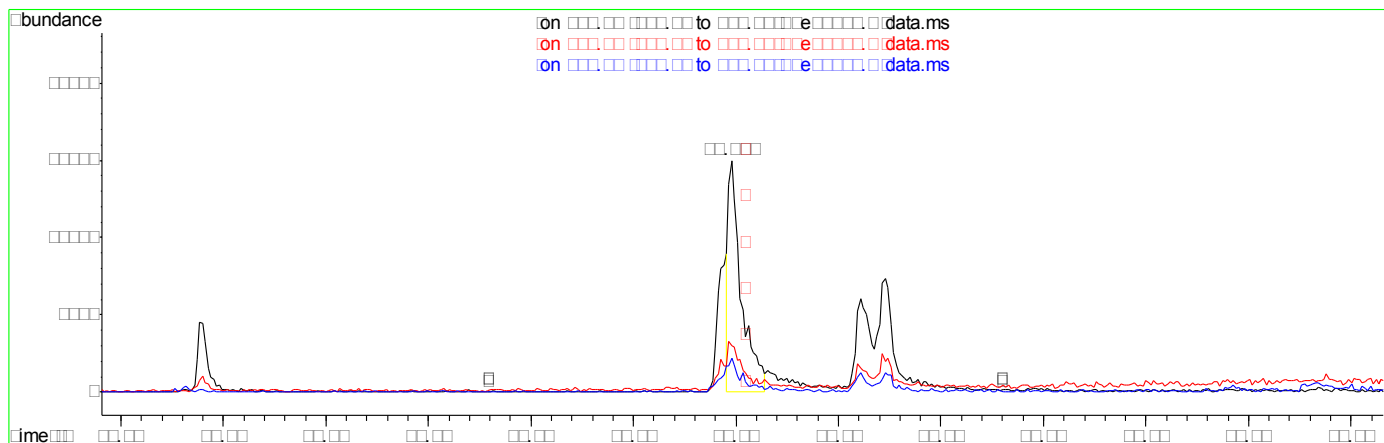
min ppb m

response

on xp ct

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30087.D
Acq On : 11 Oct 2010 5:34 pm
Operator : olgaa
Sample : ic1331-1
Misc : op45964,e3e1331,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 08:58:01 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:56:06 2010
Response via : Initial Calibration



☐en☐o☐k fluoranthene ☐t

☐min ☐☐☐☐☐☐ppb m

response ☐☐☐

☐on ☐xp☐ ☐ct☐

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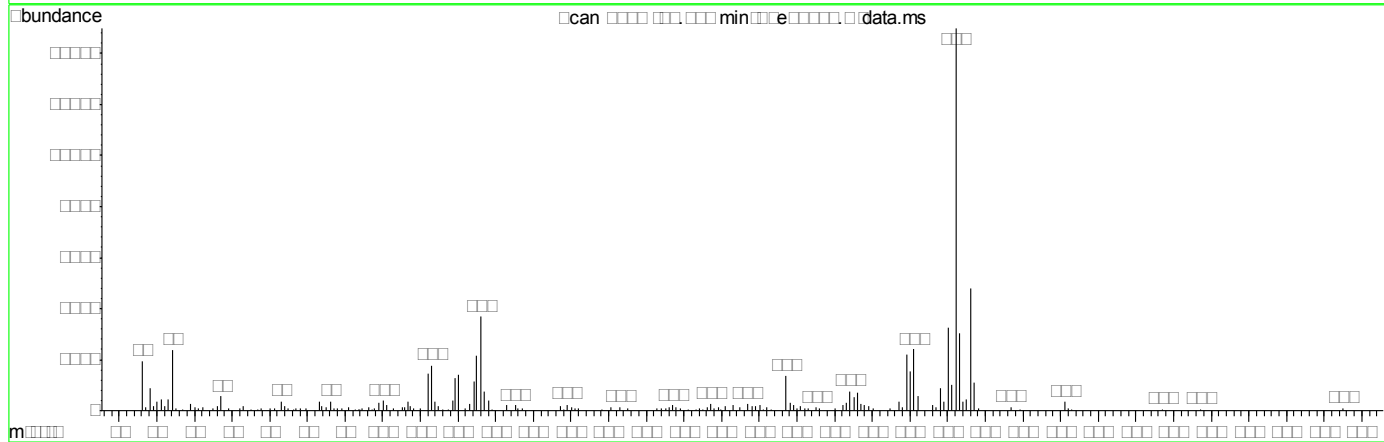
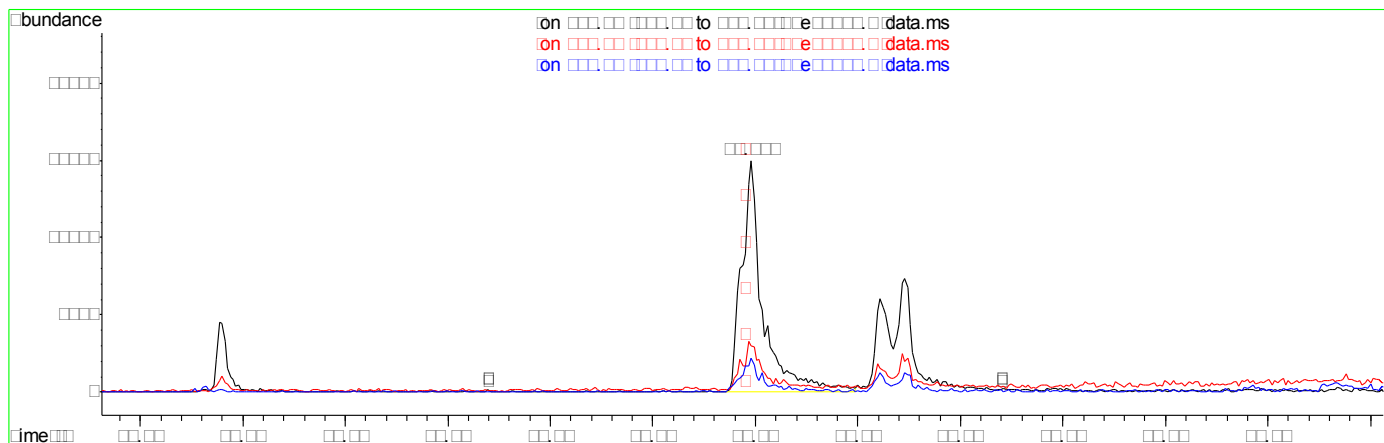
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8.6.4.3

Quantitation Report (Qedit)

Data Path : C:_Restore\
Data File : 3e30087.D
Acq On : 11 Oct 2010 5:34 pm
Operator : olgaa
Sample : ic1331-1
Misc : op45964,e3e1331,
ALS Vial : 5 Sample Multiplier: 1

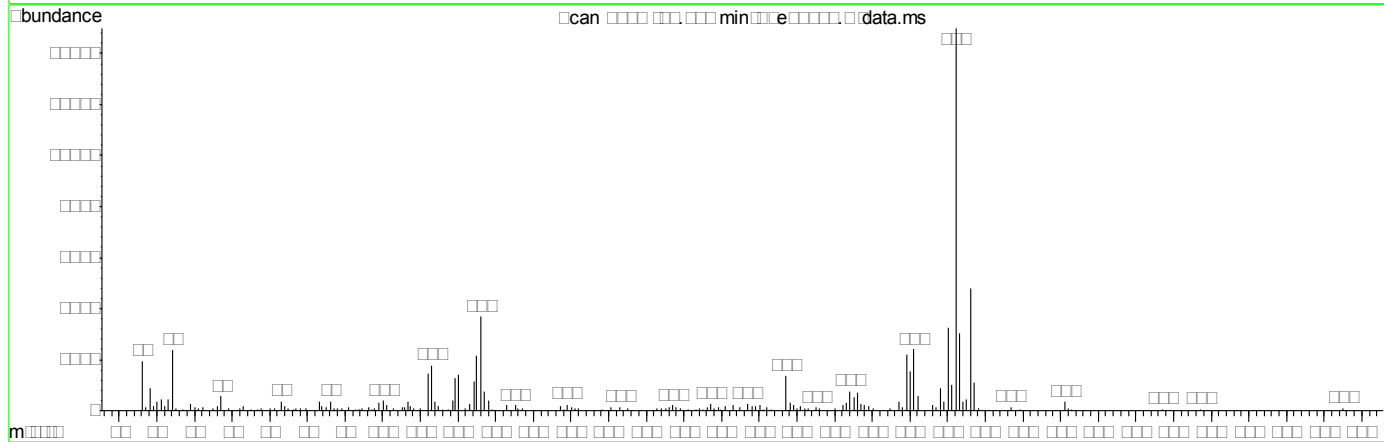
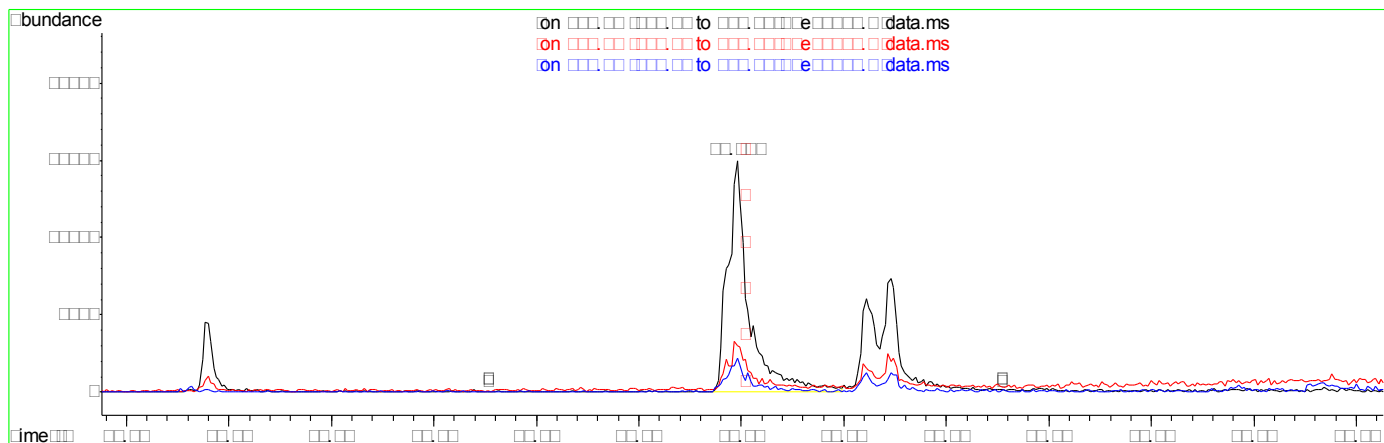
Quant Time: Oct 12 16:22:17 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:_Restore\
Data File : 3e30087.D
Acq On : 11 Oct 2010 5:34 pm
Operator : olgaa
Sample : ic1331-1
Misc : op45964,e3e1331,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 12 16:22:17 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration



Benzo[k]fluoranthene (f)

min [] [] [] [] [] ppb

response [] [] [] [] []

on [] [] [] [] []

[] [] [] [] []

[] [] [] [] []

[] [] [] [] []

[] [] [] [] []

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30088.D
 Acq On : 11 Oct 2010 5:59 pm
 Operator : olgaa
 Sample : ic1331-5
 Misc : op45964,e3e1331,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 08:59:46 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 08:59:31 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	264002	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	1031741	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	663064	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	1063892	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	1018543	40.00	ppb	0.00
92) Perylene-d12	14.696	264	888719	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	264002	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	663064	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	1063892	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	1018543	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.010	112	42458	4.90	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.80%	
8) Phenol-d5	2.892	99	57457	5.00	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.00%	
25) Nitrobenzene-d5	3.919	82	50593	5.11	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.22%	
51) 2-Fluorobiphenyl	6.529	172	115216	5.17	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.34%	
73) 2,4,6-Tribromophenol	8.727	330	9395	4.56	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.12%	
85) Terphenyl-d14	12.193	244	94173	5.18	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.36%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	15449	4.47	ppb	88
3) Pyridine	1.218	79	42432	4.76	ppb	77
4) N-Nitrosodimethylamine	1.202	74	27075	4.99	ppb	78
6) Indene	3.534	116	68832	5.08	ppb	100
7) Cumene	2.427	105	91698	5.13	ppb	98
9) Phenol	2.908	94	64197	5.00	ppb	99
10) Aniline	2.897	93	70599	5.25	ppb	94
11) bis(2-Chloroethyl)ether	2.978	93	45865	5.03	ppb	95
12) 2-Chlorophenol	3.004	128	48395	4.97	ppb	100
13) Decane	3.090	43	53940	5.19	ppb	85
14) 1,3-Dichlorobenzene	3.159	146	51845	5.07	ppb	98
15) 1,4-Dichlorobenzene	3.224	146	54328	5.12	ppb	98
16) Benzyl alcohol	3.422	108	33649	5.09	ppb	91
17) 1,2-Dichlorobenzene	3.438	146	50084	5.08	ppb	100
18) Acetophenone	3.737	105	65019	5.13	ppb	99
19) 2-Methylphenol	3.603	108	44008	5.14	ppb	96
20) 2,2'-oxybis(1-Chloropr...	3.625	121	17955	5.04	ppb	# 39
21) 3&4-Methylphenol	3.796	108	47035	5.01	ppb	94
22) n-Nitroso-di-n-propyla...	3.796	70	33922	5.14	ppb	84
23) Hexachloroethane	3.812	201	15886	4.85	ppb	85
26) Nitrobenzene	3.946	123	25922	5.03	ppb	94
27) Quinoline	5.374	129	91316	5.12	ppb	97
28) Isophorone	4.267	82	89510	5.27	ppb	96
29) 2-Nitrophenol	4.374	139	27084	5.11	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30088.D
 Acq On : 11 Oct 2010 5:59 pm
 Operator : olgaa
 Sample : ic1331-5
 Misc : op45964,e3e1331,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 08:59:46 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 08:59:31 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.502	107	42140	4.81	ppb	94
31) Benzoic acid	4.636	105	22290	4.08	ppb	99
32) bis(2-Chloroethoxy)met...	4.636	93	54697	5.16	ppb	97
33) 2,4-Dichlorophenol	4.705	162	39993	5.13	ppb	95
34) 2,6-Dichlorophenol	5.031	162	39644	5.15	ppb	96
35) 1,3,5-Trichlorobenzene	4.379	180	40911	5.04	ppb	96
36) 1,2,4-Trichlorobenzene	4.812	180	42357	5.16	ppb	98
37) 1,2,3-Trichlorobenzene	5.149	180	39610	5.10	ppb	97
38) Naphthalene	4.876	128	152107	5.17	ppb	99
39) 4-Chloroaniline	5.037	127	64078	5.29	ppb	98
40) 2,3-Dichloroaniline	6.401	161	47049	5.16	ppb	98
41) Caprolactam	5.475	55	23493	4.93	ppb	84
42) Hexachlorobutadiene	5.187	225	21230	5.04	ppb	98
43) 4-Chloro-3-methylphenol	5.828	107	42382	5.12	ppb	99
44) 2-Methylnaphthalene	5.898	142	102823	5.24	ppb	99
45) 1-Methylnaphthalene	6.053	142	95950	5.32	ppb	98
46) Dimethylnaphthalene	6.861	156	85782	5.26	ppb	99
48) Hexachlorocyclopentadiene	6.267	237	40935	10.15	ppb	99
49) 2,4,6-Trichlorophenol	6.401	196	26895	4.92	ppb	97
50) 2,4,5-Trichlorophenol	6.449	196	27509	4.79	ppb	95
52) 2-Chloronaphthalene	6.615	162	93614	5.06	ppb	96
53) Biphenyl	6.647	154	120936	5.11	ppb	99
54) 2-Nitroaniline	6.877	65	28314	5.08	ppb	99
55) Dimethylphthalate	7.278	163	110649	5.16	ppb	100
56) Acenaphthylene	7.246	152	147930	5.12	ppb	97
57) 2,6-Dinitrotoluene	7.347	165	24091	5.00	ppb	93
58) 3-Nitroaniline	7.529	138	28185	5.00	ppb	84
59) Acenaphthene	7.540	153	94552	5.06	ppb	97
60) 2,4-Dinitrophenol	7.679	184	17366	8.40	ppb	98
61) 4-Nitrophenol	7.882	109	10841	4.78	ppb	78
62) Dibenzofuran	7.791	168	136823	5.15	ppb	97
63) 2,4-Dinitrotoluene	7.930	165	33434	5.24	ppb	95
64) 2,3,4,6-Tetrachlorophenol	8.091	232	19288	4.59	ppb	98
65) Diethylphthalate	8.396	149	109593	5.28	ppb	99
66) Fluorene	8.321	166	109807	5.24	ppb	99
67) 4-Chlorophenyl-phenyle...	8.396	204	52009	5.23	ppb	97
68) 4-Nitroaniline	8.476	138	28749	5.07	ppb	97
70) 4,6-Dinitro-2-methylph...	8.540	198	14146	4.34	ppb	89
71) n-Nitrosodiphenylamine	8.604	169	76775	5.01	ppb	98
72) 1,2-Diphenylhydrazine	8.626	77	107474	5.25	ppb	98
74) 4-Bromophenyl-phenylether	9.134	248	26122	5.09	ppb	95
75) Hexachlorobenzene	9.300	284	27013	5.01	ppb	95
76) Pentachlorophenol	9.610	266	28452	9.12	ppb	97
77) Phenanthrene	9.781	178	151420	5.11	ppb	99
78) Anthracene	9.851	178	149868	5.28	ppb	100
79) Carbazole	10.166	167	142407	5.21	ppb	99
80) Di-n-butylphthalate	10.974	149	168073	5.22	ppb	99
81) Fluoranthene	11.594	202	150887	5.19	ppb	96
82) Octadecane	9.856	57	68661	5.09	ppb	85
84) Pyrene	11.878	202	163709	5.32	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30088.D
 Acq On : 11 Oct 2010 5:59 pm
 Operator : olgaa
 Sample : ic1331-5
 Misc : op45964,e3e1331,
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 08:59:46 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 08:59:31 2010
 Response via : Initial Calibration

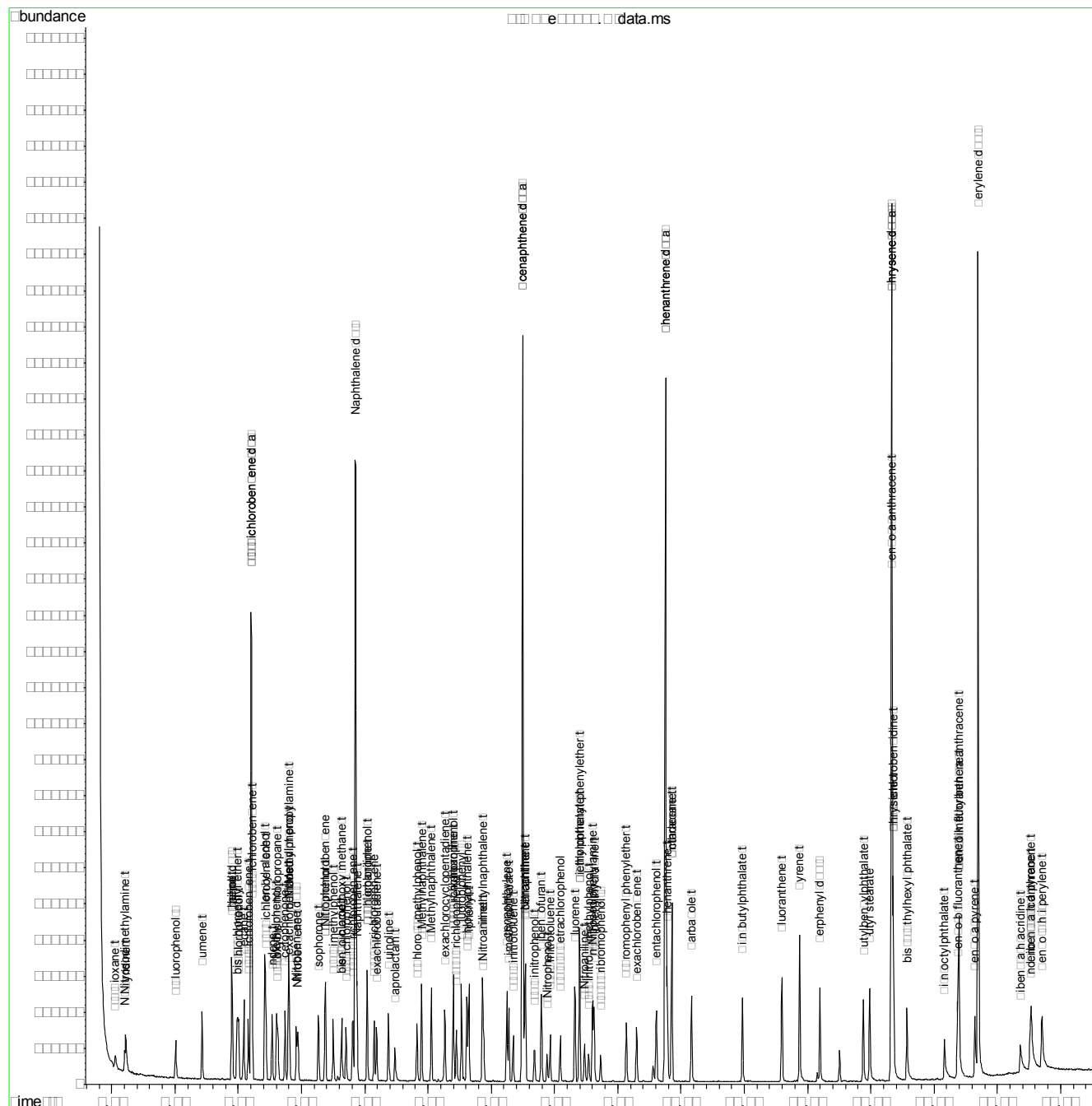
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.883	149	63946	4.84	ppb	98
87) Butyl stearate	12.980	56	48756	5.36	ppb	79
88) Benzo[a]anthracene	13.317	228	127991	4.93	ppb	97
89) 3,3'-Dichlorobenzidine	13.359	252	40743	4.86	ppb	99
90) Chrysene	13.354	228	140109	5.16	ppb	98
91) bis(2-Ethylhexyl)phtha...	13.568	149	81937	5.13	ppb	96
93) Di-n-octylphthalate	14.162	149	110262	4.74	ppb	93
94) Benzo[b]fluoranthene	14.370	252	93435	4.52	ppb	97
95) Benzo[k]fluoranthene	14.392	252	162676	5.91	ppb	96
96) Benzo[a]pyrene	14.643	252	90840	4.78	ppb	97
97) Indeno[1,2,3-cd]pyrene	15.520	276	111369	4.86	ppb	97
98) Dibenz(a,h)acridine	15.365	279	64134	4.28	ppb	99
99) Dibenz[a,h]anthracene	15.536	278	87985	4.64	ppb	85
100) 7,12-Dimethylbenz(a)an...	14.397	256	50471	4.96	ppb	97
101) Benzo[g,h,i]perylene	15.707	276	115830	5.36	ppb	98

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

(QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30088.D
Acq On : 11 Oct 2010 5:59 pm
Operator : olgaa
Sample : ic1331-5
Misc : op45964,e3e1331,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 12 08:59:46 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:59:31 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30089.D
 Acq On : 11 Oct 2010 6:24 pm
 Operator : olgaa
 Sample : ic1331-10
 Misc : op45964,e3e1331,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 09:00:37 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 08:59:54 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	224738	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	889348	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	558765	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	885820	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	857148	40.00	ppb	0.00
92) Perylene-d12	14.696	264	743607	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	224738	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	558765	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	885820	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	857148	40.00	ppb	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	2.010	112	76599	10.43	ppb	0.00
Spiked Amount 50.000			Recovery	=	20.86%	
8) Phenol-d5	2.897	99	100818	10.31	ppb	0.00
Spiked Amount 50.000			Recovery	=	20.62%	
25) Nitrobenzene-d5	3.919	82	88194	10.29	ppb	0.00
Spiked Amount 50.000			Recovery	=	20.58%	
51) 2-Fluorobiphenyl	6.529	172	197514	10.44	ppb	0.00
Spiked Amount 50.000			Recovery	=	20.88%	
73) 2,4,6-Tribromophenol	8.733	330	17072	10.13	ppb	0.00
Spiked Amount 50.000			Recovery	=	20.26%	
85) Terphenyl-d14	12.193	244	167417	10.86	ppb	0.00
Spiked Amount 50.000			Recovery	=	21.72%	

Target Compounds						Qvalue
2) 1,4-Dioxane	1.052	88	28103	9.76	ppb	80
3) Pyridine	1.213	79	75831	10.09	ppb	75
4) N-Nitrosodimethylamine	1.202	74	47413	10.27	ppb	84
6) Indene	3.534	116	122508	10.58	ppb	97
7) Cumene	2.427	105	160713	10.51	ppb	98
9) Phenol	2.908	94	113252	10.36	ppb	98
10) Aniline	2.897	93	117936	10.21	ppb	93
11) bis(2-Chloroethyl)ether	2.978	93	79563	10.23	ppb	94
12) 2-Chlorophenol	3.004	128	86500	10.44	ppb	96
13) Decane	3.090	43	95767	10.74	ppb	85
14) 1,3-Dichlorobenzene	3.159	146	91969	10.53	ppb	96
15) 1,4-Dichlorobenzene	3.224	146	93449	10.30	ppb	95
16) Benzyl alcohol	3.422	108	58718	10.40	ppb	98
17) 1,2-Dichlorobenzene	3.438	146	88888	10.56	ppb	100
18) Acetophenone	3.737	105	111061	10.24	ppb	97
19) 2-Methylphenol	3.603	108	76218	10.40	ppb	94
20) 2,2'-oxybis(1-Chloropr...	3.625	121	32082	10.56	ppb	# 44
21) 3&4-Methylphenol	3.796	108	83623	10.47	ppb	99
22) n-Nitroso-di-n-propyla...	3.796	70	57389	10.16	ppb	84
23) Hexachloroethane	3.812	201	29328	10.58	ppb	94
26) Nitrobenzene	3.946	123	46150	10.38	ppb	89
27) Quinoline	5.374	129	159611	10.34	ppb	99
28) Isophorone	4.267	82	158168	10.70	ppb	97
29) 2-Nitrophenol	4.374	139	47895	10.44	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30089.D
 Acq On : 11 Oct 2010 6:24 pm
 Operator : olgaa
 Sample : ic1331-10
 Misc : op45964,e3e1331,
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 09:00:37 2010

Quant Method : C:\msdchem\1\METHODS\M3E1331.M

Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um

QLast Update : Tue Oct 12 08:59:54 2010

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.502	107	72858	9.72	ppb	93
31) Benzoic acid	4.662	105	46036	10.16	ppb	96
32) bis(2-Chloroethoxy)met...	4.636	93	94517	10.28	ppb	97
33) 2,4-Dichlorophenol	4.705	162	70201	10.39	ppb	100
34) 2,6-Dichlorophenol	5.037	162	71592	10.72	ppb	100
35) 1,3,5-Trichlorobenzene	4.379	180	74017	10.56	ppb	99
36) 1,2,4-Trichlorobenzene	4.812	180	73333	10.30	ppb	99
37) 1,2,3-Trichlorobenzene	5.149	180	69729	10.37	ppb	98
38) Naphthalene	4.876	128	264098	10.35	ppb	100
39) 4-Chloroaniline	5.042	127	110695	10.49	ppb	98
40) 2,3-Dichloroaniline	6.401	161	80319	10.16	ppb	99
41) Caprolactam	5.486	55	41655	10.18	ppb	91
42) Hexachlorobutadiene	5.187	225	37717	10.37	ppb	99
43) 4-Chloro-3-methylphenol	5.823	107	73664	10.28	ppb #	31
44) 2-Methylnaphthalene	5.898	142	175055	10.25	ppb	94
45) 1-Methylnaphthalene	6.053	142	165697	10.52	ppb	99
46) Dimethylnaphthalene	6.861	156	149433	10.52	ppb	95
48) Hexachlorocyclopentadiene	6.267	237	72573	21.29	ppb	98
49) 2,4,6-Trichlorophenol	6.406	196	48134	10.48	ppb	97
50) 2,4,5-Trichlorophenol	6.449	196	48471	10.11	ppb	98
52) 2-Chloronaphthalene	6.615	162	164209	10.51	ppb	98
53) Biphenyl	6.647	154	208207	10.39	ppb	99
54) 2-Nitroaniline	6.877	65	49563	10.52	ppb	98
55) Dimethylphthalate	7.278	163	190221	10.46	ppb	99
56) Acenaphthylene	7.246	152	264437	10.81	ppb	98
57) 2,6-Dinitrotoluene	7.347	165	43082	10.61	ppb	97
58) 3-Nitroaniline	7.529	138	51102	10.76	ppb	96
59) Acenaphthene	7.540	153	164979	10.45	ppb	97
60) 2,4-Dinitrophenol	7.684	184	34593	20.52	ppb	97
61) 4-Nitrophenol	7.882	109	19934	10.52	ppb	92
62) Dibenzofuran	7.791	168	238854	10.60	ppb	98
63) 2,4-Dinitrotoluene	7.930	165	58576	10.80	ppb	96
64) 2,3,4,6-Tetrachlorophenol	8.091	232	37071	10.65	ppb	96
65) Diethylphthalate	8.396	149	188561	10.66	ppb	99
66) Fluorene	8.321	166	187986	10.55	ppb	99
67) 4-Chlorophenyl-phenyle...	8.396	204	88871	10.51	ppb	99
68) 4-Nitroaniline	8.476	138	51667	10.79	ppb	94
70) 4,6-Dinitro-2-methylph...	8.540	198	28429	10.76	ppb	94
71) n-Nitrosodiphenylamine	8.604	169	137243	10.75	ppb	98
72) 1,2-Diphenylhydrazine	8.626	77	188973	10.98	ppb	98
74) 4-Bromophenyl-phenylether	9.139	248	45199	10.54	ppb	95
75) Hexachlorobenzene	9.300	284	45504	10.13	ppb	97
76) Pentachlorophenol	9.610	266	51786	20.29	ppb	95
77) Phenanthrene	9.786	178	259671	10.48	ppb	100
78) Anthracene	9.851	178	258189	10.81	ppb	99
79) Carbazole	10.166	167	246419	10.73	ppb	99
80) Di-n-butylphthalate	10.974	149	300146	11.10	ppb	98
81) Fluoranthene	11.594	202	268896	11.02	ppb	99
82) Octadecane	9.856	57	123102	10.92	ppb	84
84) Pyrene	11.878	202	280719	10.71	ppb	99

8.6.6

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30089.D
Acq On : 11 Oct 2010 6:24 pm
Operator : olgaa
Sample : ic1331-10
Misc : op45964,e3e1331,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 09:00:37 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:59:54 2010
Response via : Initial Calibration

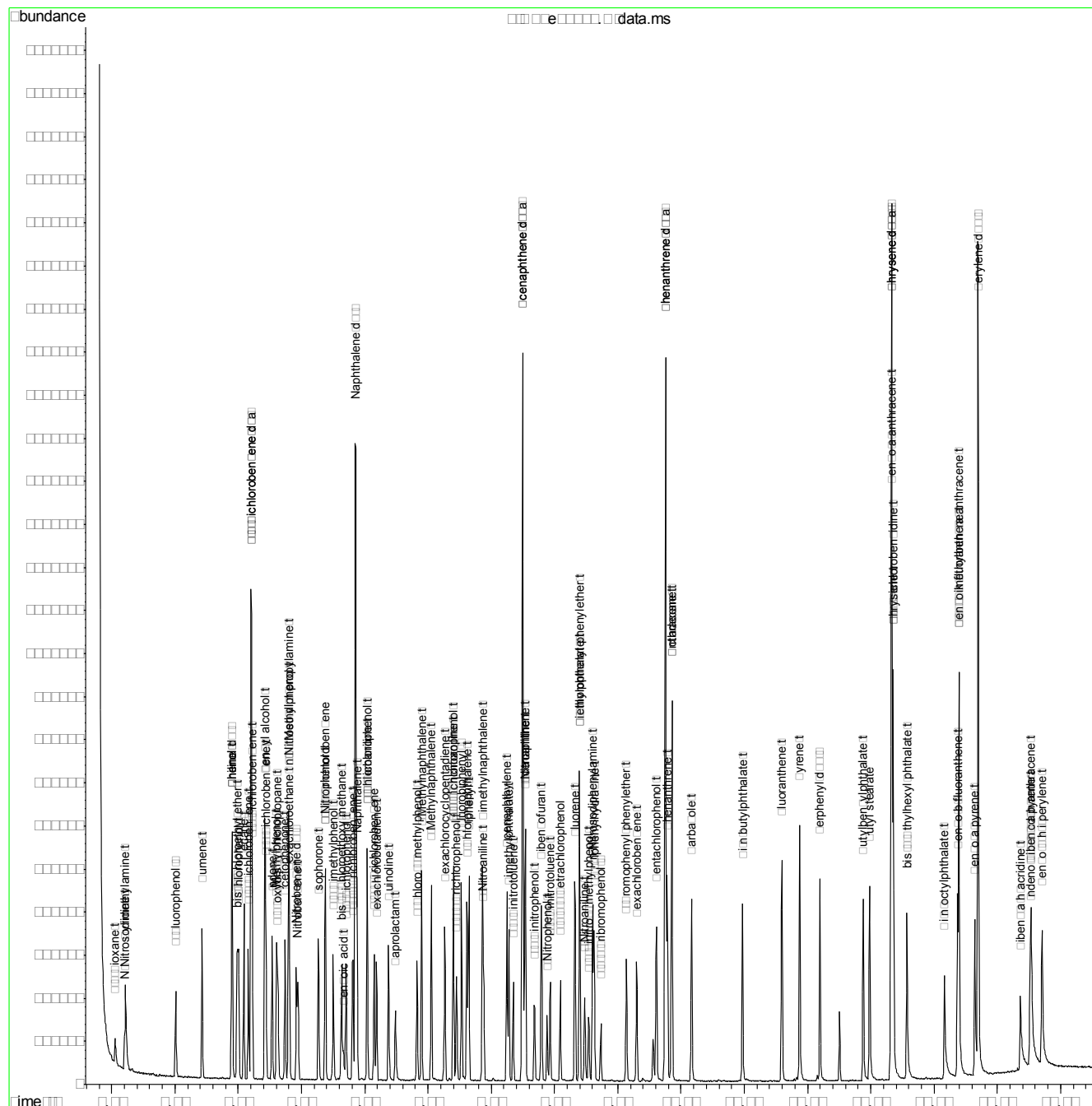
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.878	149	120561	10.91	ppb	98
87) Butyl stearate	12.980	56	77923	10.03	ppb	80
88) Benzo[a]anthracene	13.317	228	226647	10.41	ppb	99
89) 3,3'-Dichlorobenzidine	13.359	252	74754	10.66	ppb	99
90) Chrysene	13.354	228	239810	10.42	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.568	149	153671	11.38	ppb	97
93) Di-n-octylphthalate	14.162	149	220049	11.43	ppb	95
94) Benzo[b]fluoranthene	14.370	252	179619	10.59	ppb	96
95) Benzo[k]fluoranthene	14.392	252	286508	12.01	ppb	94
96) Benzo[a]pyrene	14.643	252	174876	11.10	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.520	276	217782	11.41	ppb	94
98) Dibenz(a,h)acridine	15.365	279	130250	10.69	ppb	99
99) Dibenz[a,h]anthracene	15.536	278	171073	10.93	ppb	91
100) 7,12-Dimethylbenz(a)an...	14.397	256	93416	10.98	ppb	96
101) Benzo[g,h,i]perylene	15.707	276	203606	11.11	ppb	98

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

(QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30089.D
Acq On : 11 Oct 2010 6:24 pm
Operator : olgaa
Sample : ic1331-10
Misc : op45964,e3e1331,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 12 09:00:37 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 08:59:54 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30090.D
 Acq On : 11 Oct 2010 6:48 pm
 Operator : olgaa
 Sample : ic1331-25
 Misc : op45964,e3e1331,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 09:01:39 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:00:47 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	169566	40.00	ppb	0.00
24) Naphthalene-d8	4.855	136	660809	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	413304	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	660200	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	629544	40.00	ppb	0.00
92) Perylene-d12	14.697	264	536271	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	169566	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	413304	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	660200	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	629544	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.010	112	145250	26.02	ppb	0.00
Spiked Amount 50.000			Recovery =	52.04%		
8) Phenol-d5	2.897	99	192397	25.93	ppb	0.00
Spiked Amount 50.000			Recovery =	51.86%		
25) Nitrobenzene-d5	3.924	82	169052	26.41	ppb	0.00
Spiked Amount 50.000			Recovery =	52.82%		
51) 2-Fluorobiphenyl	6.535	172	378867	26.88	ppb	0.00
Spiked Amount 50.000			Recovery =	53.76%		
73) 2,4,6-Tribromophenol	8.733	330	34577	27.46	ppb	0.00
Spiked Amount 50.000			Recovery =	54.92%		
85) Terphenyl-d14	12.193	244	323808	28.20	ppb	0.00
Spiked Amount 50.000			Recovery =	56.40%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	54345	25.12	ppb	78
3) Pyridine	1.213	79	147909	26.04	ppb	69
4) N-Nitrosodimethylamine	1.202	74	90366	25.82	ppb	83
6) Indene	3.534	116	230044	26.09	ppb	100
7) Cumene	2.427	105	300983	25.87	ppb	97
9) Phenol	2.908	94	217123	26.16	ppb	97
10) Aniline	2.897	93	246182	28.14	ppb	100
11) bis(2-Chloroethyl)ether	2.978	93	150221	25.51	ppb	94
12) 2-Chlorophenol	3.010	128	162659	25.83	ppb	98
13) Decane	3.090	43	179620	26.36	ppb	86
14) 1,3-Dichlorobenzene	3.160	146	173982	26.18	ppb	98
15) 1,4-Dichlorobenzene	3.224	146	176120	25.59	ppb	98
16) Benzyl alcohol	3.422	108	113022	26.36	ppb	96
17) 1,2-Dichlorobenzene	3.438	146	166203	25.92	ppb	100
18) Acetophenone	3.743	105	217259	26.44	ppb	96
19) 2-Methylphenol	3.603	108	148288	26.64	ppb	98
20) 2,2'-oxybis(1-Chloropr...	3.625	121	60322	26.07	ppb	# 47
21) 3&4-Methylphenol	3.796	108	160326	26.39	ppb	95
22) n-Nitroso-di-n-propyla...	3.796	70	111929	26.19	ppb	82
23) Hexachloroethane	3.812	201	54819	25.96	ppb	90
26) Nitrobenzene	3.946	123	87753	26.40	ppb	94
27) Quinoline	5.379	129	308215	26.72	ppb	99
28) Isophorone	4.267	82	297450	26.76	ppb	95
29) 2-Nitrophenol	4.374	139	92524	26.95	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30090.D
 Acq On : 11 Oct 2010 6:48 pm
 Operator : olgaa
 Sample : ic1331-25
 Misc : op45964,e3e1331,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 09:01:39 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:00:47 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.502	107	160192	28.89	ppb	95
31) Benzoic acid	4.695	105	106961	31.68	ppb	95
32) bis(2-Chloroethoxy)met...	4.636	93	179814	26.21	ppb	98
33) 2,4-Dichlorophenol	4.705	162	137573	27.22	ppb	99
34) 2,6-Dichlorophenol	5.037	162	134018	26.68	ppb	99
35) 1,3,5-Trichlorobenzene	4.379	180	138201	26.30	ppb	97
36) 1,2,4-Trichlorobenzene	4.812	180	136836	25.74	ppb	99
37) 1,2,3-Trichlorobenzene	5.149	180	131793	26.22	ppb	99
38) Naphthalene	4.876	128	500765	26.25	ppb	99
39) 4-Chloroaniline	5.042	127	215924	27.31	ppb	97
40) 2,3-Dichloroaniline	6.401	161	158957	26.98	ppb	99
41) Caprolactam	5.502	55	82099	26.92	ppb	89
42) Hexachlorobutadiene	5.187	225	69320	25.49	ppb	99
43) 4-Chloro-3-methylphenol	5.829	107	143040	26.73	ppb	97
44) 2-Methylnaphthalene	5.898	142	343570	26.96	ppb	97
45) 1-Methylnaphthalene	6.053	142	317347	26.87	ppb	99
46) Dimethylnaphthalene	6.861	156	286725	26.94	ppb	100
48) Hexachlorocyclopentadiene	6.267	237	139637	54.78	ppb	98
49) 2,4,6-Trichlorophenol	6.406	196	94005	27.46	ppb	99
50) 2,4,5-Trichlorophenol	6.454	196	97845	27.54	ppb	97
52) 2-Chloronaphthalene	6.620	162	310829	26.68	ppb	98
53) Biphenyl	6.647	154	403301	27.03	ppb	99
54) 2-Nitroaniline	6.882	65	97493	27.74	ppb	98
55) Dimethylphthalate	7.278	163	363754	26.84	ppb	99
56) Acenaphthylene	7.246	152	510672	27.84	ppb	100
57) 2,6-Dinitrotoluene	7.348	165	83652	27.57	ppb	98
58) 3-Nitroaniline	7.529	138	99074	27.86	ppb	99
59) Acenaphthene	7.540	153	317138	26.95	ppb	98
60) 2,4-Dinitrophenol	7.685	184	76654	61.20	ppb	90
61) 4-Nitrophenol	7.888	109	40983	28.99	ppb	83
62) Dibenzofuran	7.797	168	458602	27.24	ppb	97
63) 2,4-Dinitrotoluene	7.936	165	113697	27.96	ppb	94
64) 2,3,4,6-Tetrachlorophenol	8.091	232	74164	28.49	ppb	98
65) Diethylphthalate	8.401	149	360987	27.29	ppb	99
66) Fluorene	8.321	166	365133	27.45	ppb	99
67) 4-Chlorophenyl-phenyle...	8.396	204	168702	26.75	ppb	99
68) 4-Nitroaniline	8.487	138	98848	27.54	ppb	96
70) 4,6-Dinitro-2-methylph...	8.546	198	59231	29.69	ppb	97
71) n-Nitrosodiphenylamine	8.604	169	260317	27.03	ppb	99
72) 1,2-Diphenylhydrazine	8.631	77	364454	27.96	ppb	98
74) 4-Bromophenyl-phenylether	9.139	248	88405	27.42	ppb	98
75) Hexachlorobenzene	9.300	284	87295	26.02	ppb	98
76) Pentachlorophenol	9.610	266	107782	56.52	ppb	98
77) Phenanthrene	9.787	178	498588	26.79	ppb	99
78) Anthracene	9.851	178	501934	27.82	ppb	98
79) Carbazole	10.172	167	482902	27.88	ppb	99
80) Di-n-butylphthalate	10.974	149	590371	28.76	ppb	99
81) Fluoranthene	11.594	202	513704	27.77	ppb	97
82) Octadecane	9.856	57	238327	27.94	ppb	85
84) Pyrene	11.878	202	547208	28.09	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30090.D
 Acq On : 11 Oct 2010 6:48 pm
 Operator : olgaa
 Sample : ic1331-25
 Misc : op45964,e3e1331,
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 09:01:39 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:00:47 2010
 Response via : Initial Calibration

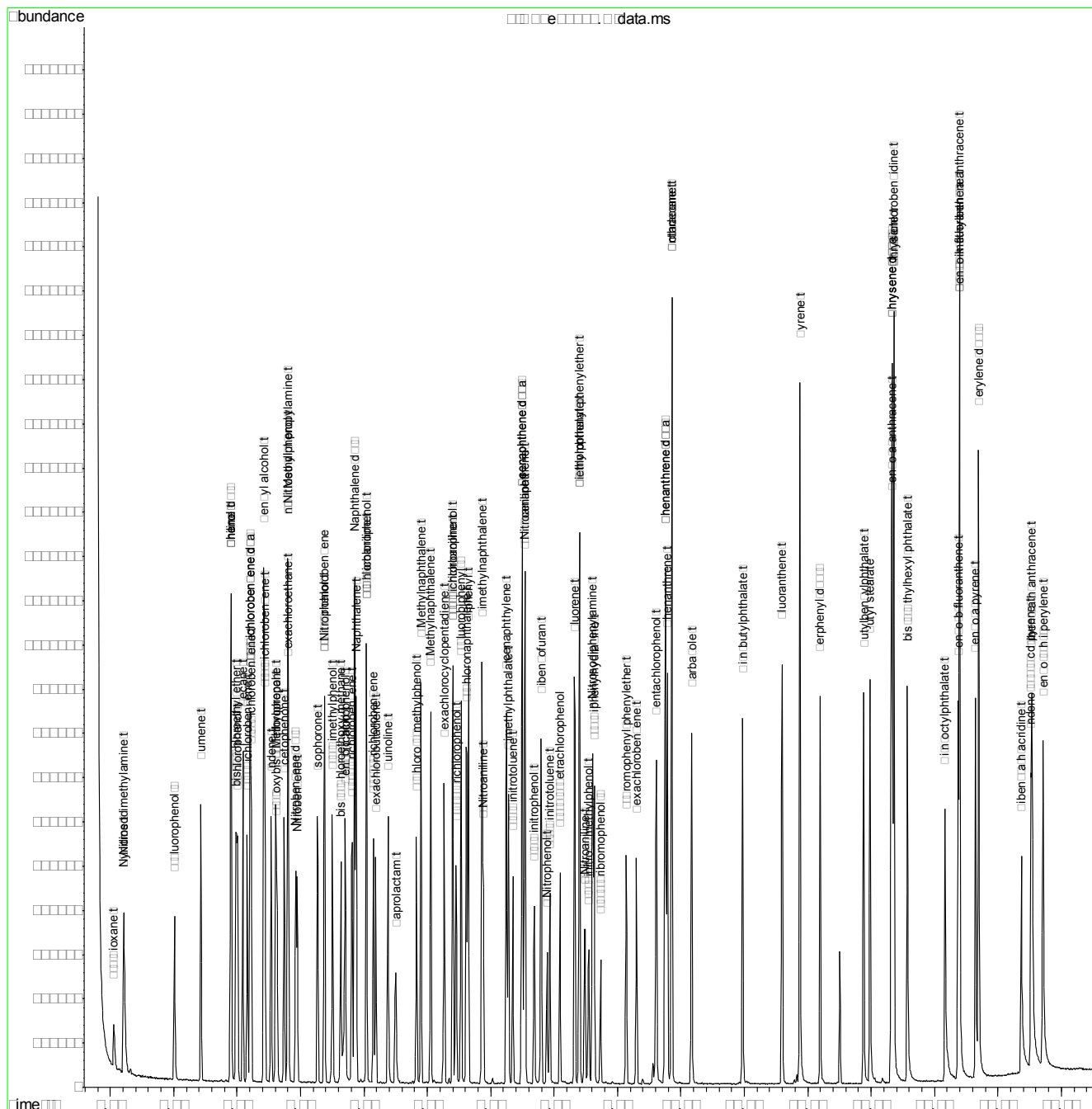
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.883	149	249483	30.28	ppb	96
87) Butyl stearate	12.980	56	153396	26.86	ppb	80
88) Benzo[a]anthracene	13.317	228	446153	27.71	ppb	99
89) 3,3'-Dichlorobenzidine	13.359	252	158388	30.41	ppb	99
90) Chrysene	13.359	228	458047	26.91	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.568	149	320212	31.55	ppb	98
93) Di-n-octylphthalate	14.162	149	498727	35.08	ppb	94
94) Benzo[b]fluoranthene	14.370	252	360900	29.21	ppb	97
95) Benzo[k]fluoranthene	14.397	252	543759	30.57	ppb	98
96) Benzo[a]pyrene	14.643	252	381310	32.96	ppb	96
97) Indeno[1,2,3-cd]pyrene	15.520	276	457934	32.51	ppb	96
98) Dibenz(a,h)acridine	15.371	279	300820	33.84	ppb	99
99) Dibenz[a,h]anthracene	15.542	278	371678	32.43	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.397	256	200882	32.22	ppb	99
101) Benzo[g,h,i]perylene	15.713	276	408388	30.33	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30090.D
Acq On : 11 Oct 2010 6:48 pm
Operator : olgaa
Sample : ic1331-25
Misc : op45964,e3e1331,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 12 09:01:39 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 09:00:47 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30091.D
 Acq On : 11 Oct 2010 7:13 pm
 Operator : olgaa
 Sample : icc1331-50
 Misc : op45964,e3e1331,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 09:02:40 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:01:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.208	152	177298	40.00	ppb	0.00
24) Naphthalene-d8	4.855	136	681418	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	432420	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	679840	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	650963	40.00	ppb	0.00
92) Perylene-d12	14.697	264	557702	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.208	152	177298	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	432420	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	679840	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	650963	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.010	112	313413	53.38	ppb	0.00
Spiked Amount 50.000			Recovery =	106.76%		
8) Phenol-d5	2.903	99	406839	52.17	ppb	0.01
Spiked Amount 50.000			Recovery =	104.34%		
25) Nitrobenzene-d5	3.924	82	344262	51.74	ppb	0.00
Spiked Amount 50.000			Recovery =	103.48%		
51) 2-Fluorobiphenyl	6.534	172	770972	51.73	ppb	0.00
Spiked Amount 50.000			Recovery =	103.46%		
73) 2,4,6-Tribromophenol	8.738	330	75352	57.31	ppb	0.01
Spiked Amount 50.000			Recovery =	114.62%		
85) Terphenyl-d14	12.199	244	674179	55.76	ppb	0.00
Spiked Amount 50.000			Recovery =	111.52%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	110794	48.95	ppb	81
3) Pyridine	1.207	79	306695	51.33	ppb	72
4) N-Nitrosodimethylamine	1.202	74	190338	51.77	ppb	86
6) Indene	3.539	116	478768	51.61	ppb	99
7) Cumene	2.427	105	627457	51.33	ppb	98
9) Phenol	2.913	94	451816	51.72	ppb	94
10) Aniline	2.903	93	502201	53.94	ppb	94
11) bis(2-Chloroethyl)ether	2.983	93	312476	50.61	ppb	93
12) 2-Chlorophenol	3.010	128	344228	52.03	ppb	99
13) Decane	3.090	43	369850	51.52	ppb	84
14) 1,3-Dichlorobenzene	3.160	146	362416	51.80	ppb	98
15) 1,4-Dichlorobenzene	3.224	146	362397	50.20	ppb	99
16) Benzyl alcohol	3.427	108	239052	52.91	ppb	93
17) 1,2-Dichlorobenzene	3.438	146	343769	51.00	ppb	100
18) Acetophenone	3.743	105	442281	51.05	ppb	99
19) 2-Methylphenol	3.609	108	308370	52.49	ppb	94
20) 2,2'-oxybis(1-Chloropr...	3.625	121	124714	51.23	ppb	# 44
21) 3&4-Methylphenol	3.807	108	334547	52.25	ppb	97
22) n-Nitroso-di-n-propyla...	3.801	70	229894	51.11	ppb	83
23) Hexachloroethane	3.812	201	112696	50.76	ppb	92
26) Nitrobenzene	3.951	123	183566	53.13	ppb	87
27) Quinoline	5.385	129	639779	53.26	ppb	99
28) Isophorone	4.272	82	620031	53.55	ppb	96
29) 2-Nitrophenol	4.379	139	192532	53.79	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3E1331\
 Data File : 3e30091.D
 Acq On : 11 Oct 2010 7:13 pm
 Operator : olgaa
 Sample : icc1331-50
 Misc : op45964,e3e1331,
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 09:02:40 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:01:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.507	107	330163	56.49	ppb	92
31) Benzoic acid	4.743	105	242615	67.12	ppb #	82
32) bis(2-Chloroethoxy)met...	4.636	93	377476	52.99	ppb	99
33) 2,4-Dichlorophenol	4.705	162	285507	54.09	ppb	97
34) 2,6-Dichlorophenol	5.037	162	281026	53.74	ppb	100
35) 1,3,5-Trichlorobenzene	4.379	180	282376	51.72	ppb	97
36) 1,2,4-Trichlorobenzene	4.812	180	279426	50.76	ppb	99
37) 1,2,3-Trichlorobenzene	5.155	180	273033	52.31	ppb	98
38) Naphthalene	4.882	128	1025759	51.78	ppb	100
39) 4-Chloroaniline	5.048	127	450620	54.55	ppb	98
40) 2,3-Dichloroaniline	6.401	161	324734	52.85	ppb	99
41) Caprolactam	5.540	55	175335	55.14	ppb	84
42) Hexachlorobutadiene	5.187	225	143999	51.20	ppb	98
43) 4-Chloro-3-methylphenol	5.839	107	300572	53.94	ppb	99
44) 2-Methylnaphthalene	5.903	142	704447	53.01	ppb	96
45) 1-Methylnaphthalene	6.053	142	653668	53.11	ppb	99
46) Dimethylnaphthalene	6.866	156	588988	53.08	ppb	99
48) Hexachlorocyclopentadiene	6.267	237	295579	109.34	ppb	99
49) 2,4,6-Trichlorophenol	6.411	196	195278	53.76	ppb	96
50) 2,4,5-Trichlorophenol	6.460	196	206266	54.69	ppb	99
52) 2-Chloronaphthalene	6.620	162	645418	52.44	ppb	99
53) Biphenyl	6.652	154	815460	51.64	ppb	98
54) 2-Nitroaniline	6.888	65	206946	55.42	ppb	97
55) Dimethylphthalate	7.283	163	756622	52.81	ppb	98
56) Acenaphthylene	7.251	152	1052602	53.97	ppb	99
57) 2,6-Dinitrotoluene	7.353	165	177200	55.01	ppb	96
58) 3-Nitroaniline	7.540	138	209026	55.28	ppb	98
59) Acenaphthene	7.545	153	653840	52.52	ppb	99
60) 2,4-Dinitrophenol	7.695	184	180917	133.77	ppb	97
61) 4-Nitrophenol	7.898	109	89222	58.98	ppb	89
62) Dibenzofuran	7.802	168	932642	52.29	ppb	90
63) 2,4-Dinitrotoluene	7.941	165	239303	55.31	ppb	95
64) 2,3,4,6-Tetrachlorophenol	8.096	232	155519	55.99	ppb	99
65) Diethylphthalate	8.412	149	739402	52.74	ppb	99
66) Fluorene	8.326	166	755226	53.52	ppb	98
67) 4-Chlorophenyl-phenyle...	8.401	204	345024	51.77	ppb	97
68) 4-Nitroaniline	8.503	138	208146	54.64	ppb	95
70) 4,6-Dinitro-2-methylph...	8.556	198	132962	63.04	ppb	97
71) n-Nitrosodiphenylamine	8.615	169	543422	54.16	ppb	99
72) 1,2-Diphenylhydrazine	8.636	77	734425	53.81	ppb	98
74) 4-Bromophenyl-phenylether	9.139	248	180694	53.68	ppb	97
75) Hexachlorobenzene	9.305	284	178138	51.26	ppb	97
76) Pentachlorophenol	9.621	266	240711	120.34	ppb	98
77) Phenanthrene	9.792	178	1013065	52.33	ppb	100
78) Anthracene	9.861	178	1011725	53.59	ppb	100
79) Carbazole	10.177	167	999619	55.13	ppb	100
80) Di-n-butylphthalate	10.974	149	1234777	57.18	ppb	99
81) Fluoranthene	11.600	202	1062577	54.92	ppb	98
82) Octadecane	9.861	57	497033	55.65	ppb	85
84) Pyrene	11.883	202	1118473	54.56	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30091.D
Acq On : 11 Oct 2010 7:13 pm
Operator : olgaa
Sample : icc1331-50
Misc : op45964,e3e1331,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 09:02:40 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 09:01:52 2010
Response via : Initial Calibration

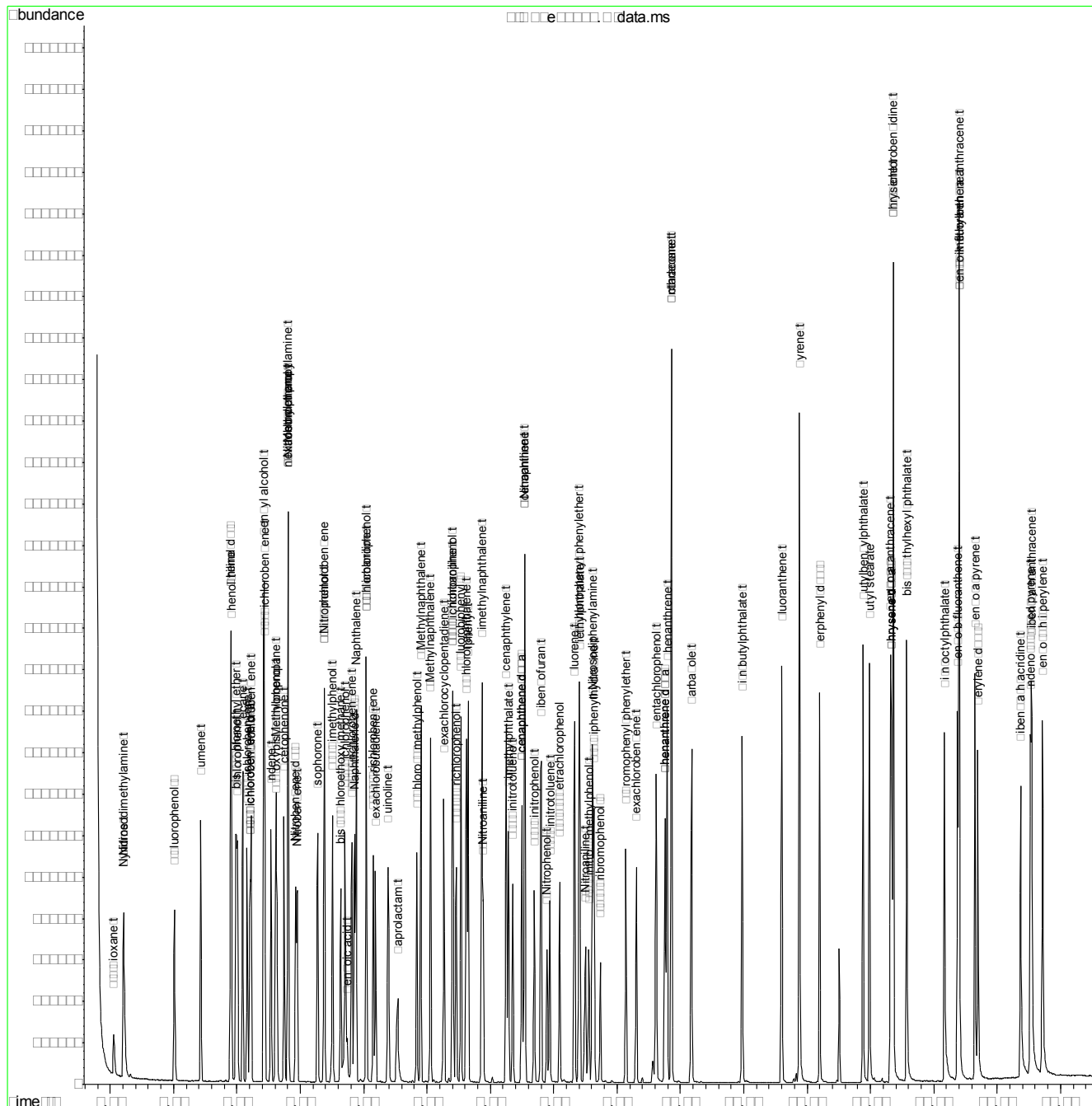
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.883	149	541753	61.73	ppb	99
87) Butyl stearate	12.985	56	337277	56.52	ppb	85
88) Benzo[a]anthracene	13.317	228	928585	54.93	ppb	99
89) 3,3'-Dichlorobenzidine	13.359	252	342089	61.61	ppb	97
90) Chrysene	13.359	228	944275	53.07	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.573	149	706173	64.87	ppb	99
93) Di-n-octylphthalate	14.167	149	1160554	74.23	ppb	96
94) Benzo[b]fluoranthene	14.376	252	815133	61.95	ppb	94
95) Benzo[k]fluoranthene	14.402	252	1063808	55.74	ppb	96
96) Benzo[a]pyrene	14.648	252	837546	66.59	ppb	97
97) Indeno[1,2,3-cd]pyrene	15.526	276	983392	64.38	ppb	95
98) Dibenz(a,h)acridine	15.370	279	692875	71.35	ppb	99
99) Dibenz[a,h]anthracene	15.547	278	812173	65.36	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.402	256	422000	62.50	ppb	99
101) Benzo[g,h,i]perylene	15.718	276	855356	59.28	ppb	97

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

(QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30091.D
Acq On : 11 Oct 2010 7:13 pm
Operator : olgaa
Sample : icc1331-50
Misc : op45964,e3e1331,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 12 09:02:40 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 09:01:52 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30093.D
 Acq On : 11 Oct 2010 7:55 pm
 Operator : olgaa
 Sample : ic1332-100
 Misc : op45964,e3e1332,
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 12 10:51:55 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 10:51:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	179177	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	730447	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	488875	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	814607	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	778707	40.00	ppb	0.00
92) Perylene-d12	14.696	264	708341	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	179177	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	488875	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	814607	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	778707	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	2.748	105	381987	100.00	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.219	216	516013	100.00	ppb	99
107) Atrazine	9.583	215	214015	100.00	ppb	94
108) Benzidine	11.878	184	661056	100.00	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30094.D
 Acq On : 11 Oct 2010 8:20 pm
 Operator : olgaa
 Sample : ic1332-80
 Misc : op45964,e3e1332,
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 12 10:53:01 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 10:51:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	169000	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	673810	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	441508	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	728874	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	707663	40.00	ppb	0.00
92) Perylene-d12	14.697	264	634797	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	169000	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	441508	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	728874	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	707663	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	2.742	105	330756	91.80	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.219	216	416203	89.31	ppb	99
107) Atrazine	9.578	215	168563	88.03	ppb	94
108) Benzidine	11.878	184	566246	95.73	ppb	97

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

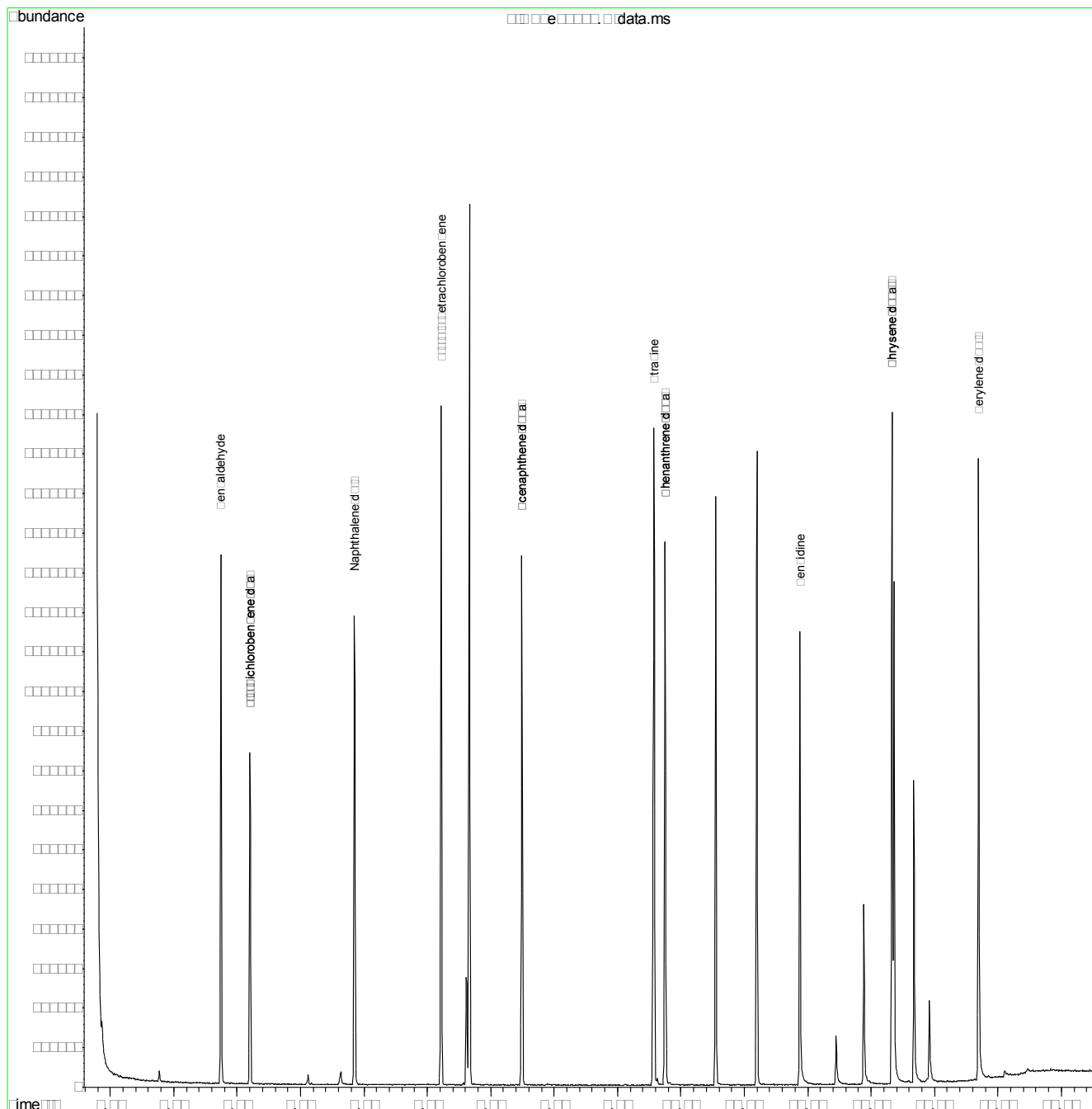
86.10

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30094.D
Acq On : 11 Oct 2010 8:20 pm
Operator : olgaa
Sample : ic1332-80
Misc : op45964,e3e1332,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 12 10:53:01 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 10:51:24 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30095.D
 Acq On : 11 Oct 2010 8:45 pm
 Operator : olgaa
 Sample : icc1332-50
 Misc : op45964,e3e1332,
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 12 11:04:00 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:01:04 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	177222	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	698680	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	455811	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	748093	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	708825	40.00	ppb	0.00
92) Perylene-d12	14.697	264	634107	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	177222	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	455811	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	748093	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	708825	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	2.742	105	229406	56.55	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.219	216	270542	53.14	ppb	100
107) Atrazine	9.573	215	104942	50.84	ppb	95
108) Benzidine	11.878	184	510053	76.50	ppb	97

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

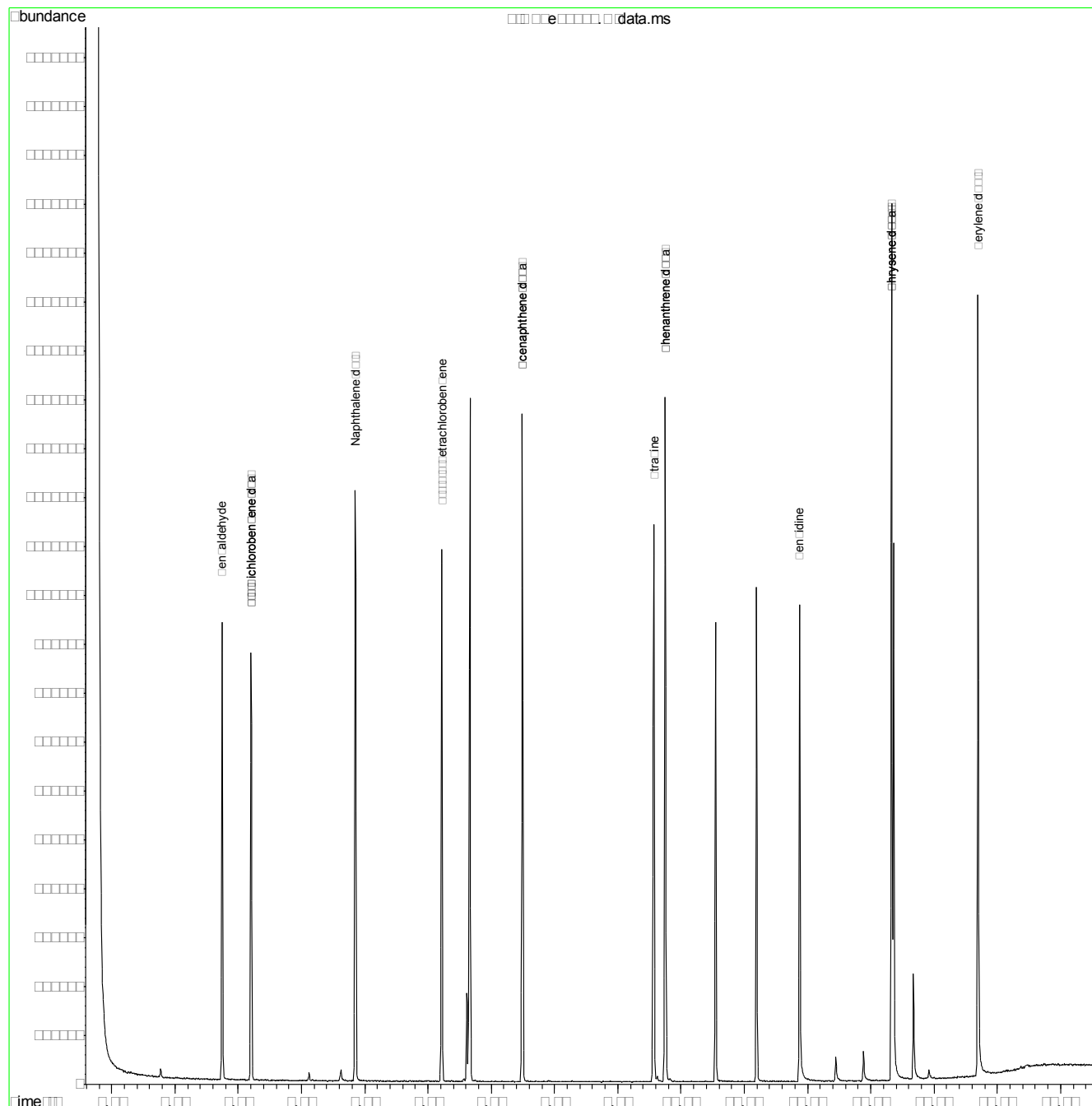
Quantitation Report (QT Reviewed)

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Data Path   : C:\msdchem\1\DATA\E3e1331\
Data File   : 3e30095.D
Acq On      : 11 Oct 2010    8:45 pm
Operator    : olgaa
Sample      : icc1332-50
Misc        : op45964,e3e1332,
ALS Vial    : 12    Sample Multiplier: 1

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Quant Time: Oct 12 11:04:00 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:01:04 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30096.D
 Acq On : 11 Oct 2010 9:09 pm
 Operator : olgaa
 Sample : ic1332-25
 Misc : op45964,e3e1332,
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 12 10:54:43 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 10:51:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	176141	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	692659	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	444140	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	716266	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	678064	40.00	ppb	0.00
92) Perylene-d12	14.696	264	592750	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	176141	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	444140	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	716266	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	678064	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

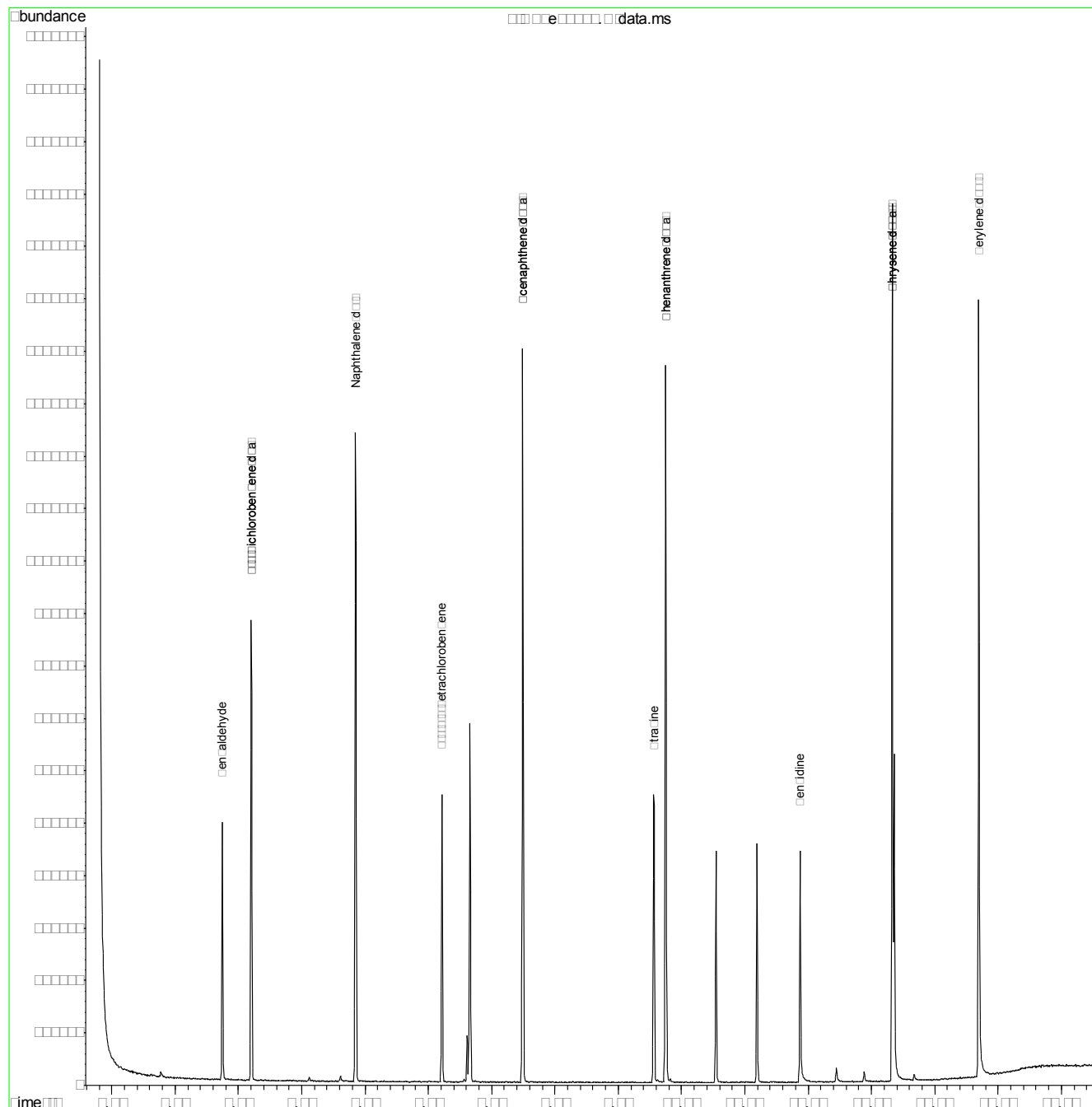
						Qvalue
103) Benzaldehyde	2.742	105	117865	31.39	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.219	216	134367	28.66	ppb	98
107) Atrazine	9.567	215	48090	25.56	ppb	90
108) Benzidine	11.872	184	223448	38.44	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30096.D
Acq On : 11 Oct 2010 9:09 pm
Operator : olgaa
Sample : ic1332-25
Misc : op45964,e3e1332,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 12 10:54:43 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 10:51:24 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30097.D
 Acq On : 11 Oct 2010 9:34 pm
 Operator : olgaa
 Sample : ic1332-10
 Misc : op45964,e3e1332,
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 12 10:55:25 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 10:51:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	170931	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	687179	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	448161	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	718641	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	673963	40.00	ppb	0.00
92) Perylene-d12	14.696	264	590123	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	170931	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	448161	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	718641	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	673963	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	2.748	105	44617	12.24	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.214	216	51681	10.93	ppb	98
107) Atrazine	9.556	215	16382	8.68	ppb	94
108) Benzidine	11.872	184	63124	10.82	ppb	95

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

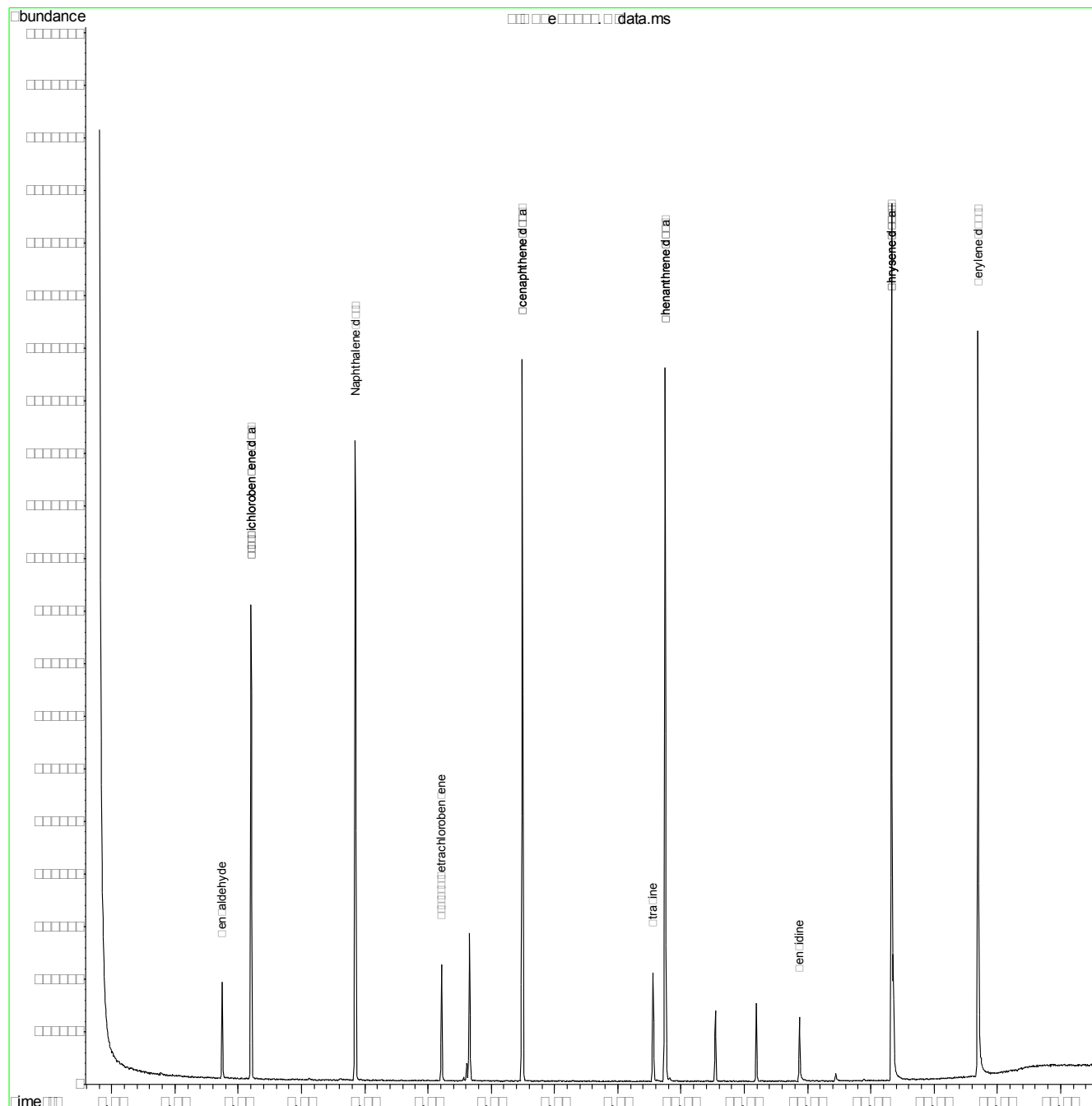
86.13

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30097.D
Acq On : 11 Oct 2010 9:34 pm
Operator : olgaa
Sample : ic1332-10
Misc : op45964,e3e1332,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 12 10:55:25 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 10:51:24 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30098.D
 Acq On : 11 Oct 2010 9:59 pm
 Operator : olgaa
 Sample : ic1332-5
 Misc : op45964,e3e1332,
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 12 10:56:07 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 10:51:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	174980	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	690713	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	447911	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	717554	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	675463	40.00	ppb	0.00
92) Perylene-d12	14.696	264	577364	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	174980	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	447911	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	717554	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	675463	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

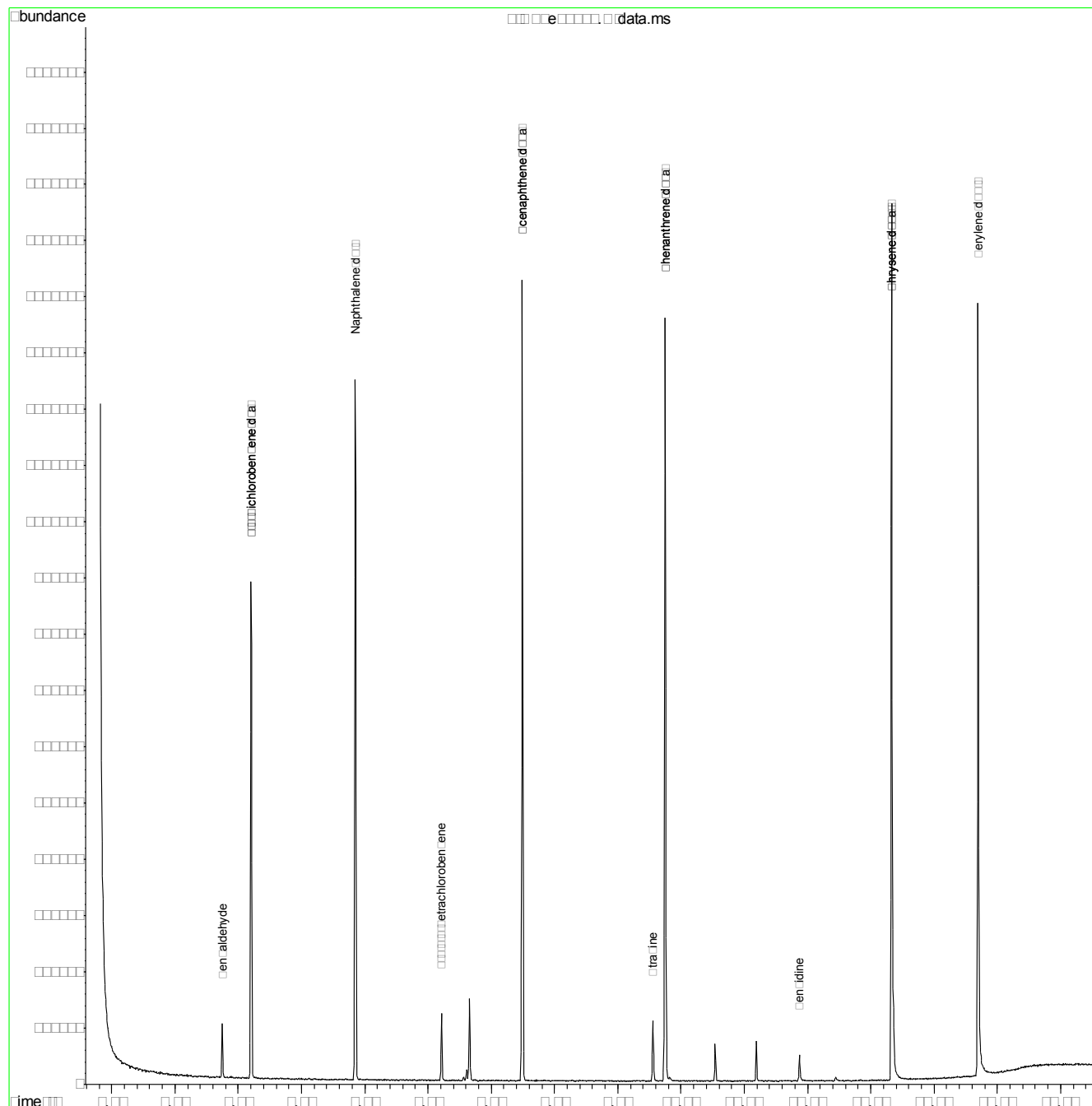
						Qvalue
103) Benzaldehyde	2.748	105	24028	6.44	ppb	94
105) 1,2,4,5-Tetrachloroben...	6.213	216	27269	5.77	ppb	99
107) Atrazine	9.556	215	8606	4.57	ppb	89
108) Benzidine	11.872	184	25098	4.31	ppb	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30098.D
Acq On : 11 Oct 2010 9:59 pm
Operator : olgaa
Sample : ic1332-5
Misc : op45964,e3e1332,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 12 10:56:07 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 10:51:24 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30099.D
 Acq On : 11 Oct 2010 10:24 pm
 Operator : olgaa
 Sample : ic1332-2
 Misc : op45964,e3e1332,
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 12 10:56:55 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 10:51:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	172480	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	674402	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	436736	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	698846	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	642948	40.00	ppb	0.00
92) Perylene-d12	14.696	264	558022	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	172480	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	436736	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	698846	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	642948	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

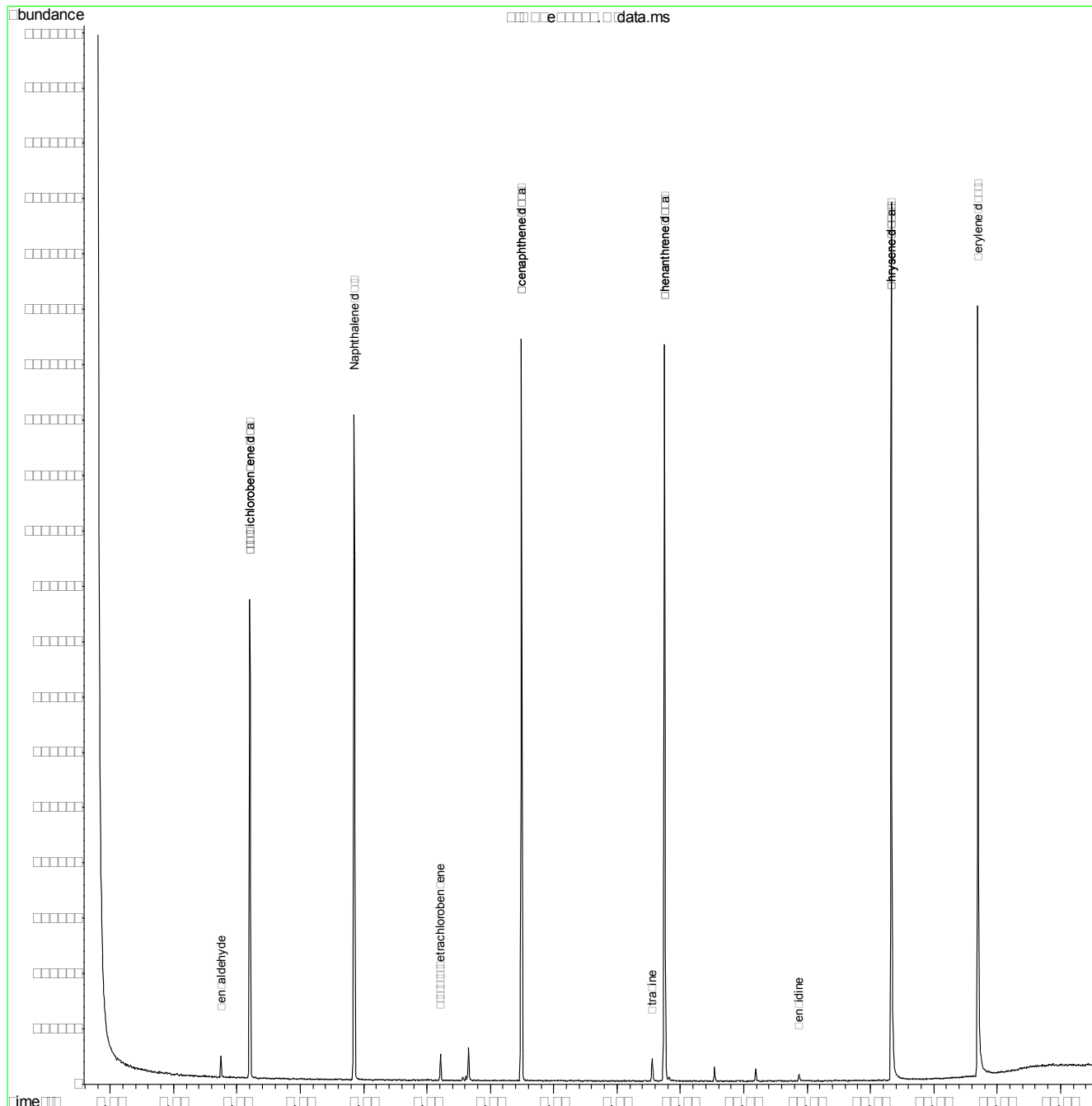
						Qvalue
103) Benzaldehyde	2.748	105	10234	2.78	ppb	97
105) 1,2,4,5-Tetrachloroben...	6.213	216	11319	2.46	ppb	96
107) Atrazine	9.556	215	3337	1.82	ppb	93
108) Benzidine	11.872	184	7663	1.35	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30099.D
Acq On : 11 Oct 2010 10:24 pm
Operator : olgaa
Sample : ic1332-2
Misc : op45964,e3e1332,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 12 10:56:55 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 10:51:24 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30100.D
 Acq On : 11 Oct 2010 10:48 pm
 Operator : olgaa
 Sample : ic1332-1
 Misc : op45964,e3e1332,
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 12 10:57:33 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 10:51:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	171920	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	699950	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	449847	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	720789	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	670015	40.00	ppb	0.00
92) Perylene-d12	14.696	264	571517	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	171920	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	449847	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	720789	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	670015	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	2.748	105	3559	0.97	ppb	90
105) 1,2,4,5-Tetrachloroben...	6.213	216	4185	0.88	ppb	95
107) Atrazine	9.556	215	1077	0.57	ppb #	78
108) Benzidine	11.872	184	2012	0.34	ppb	95

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

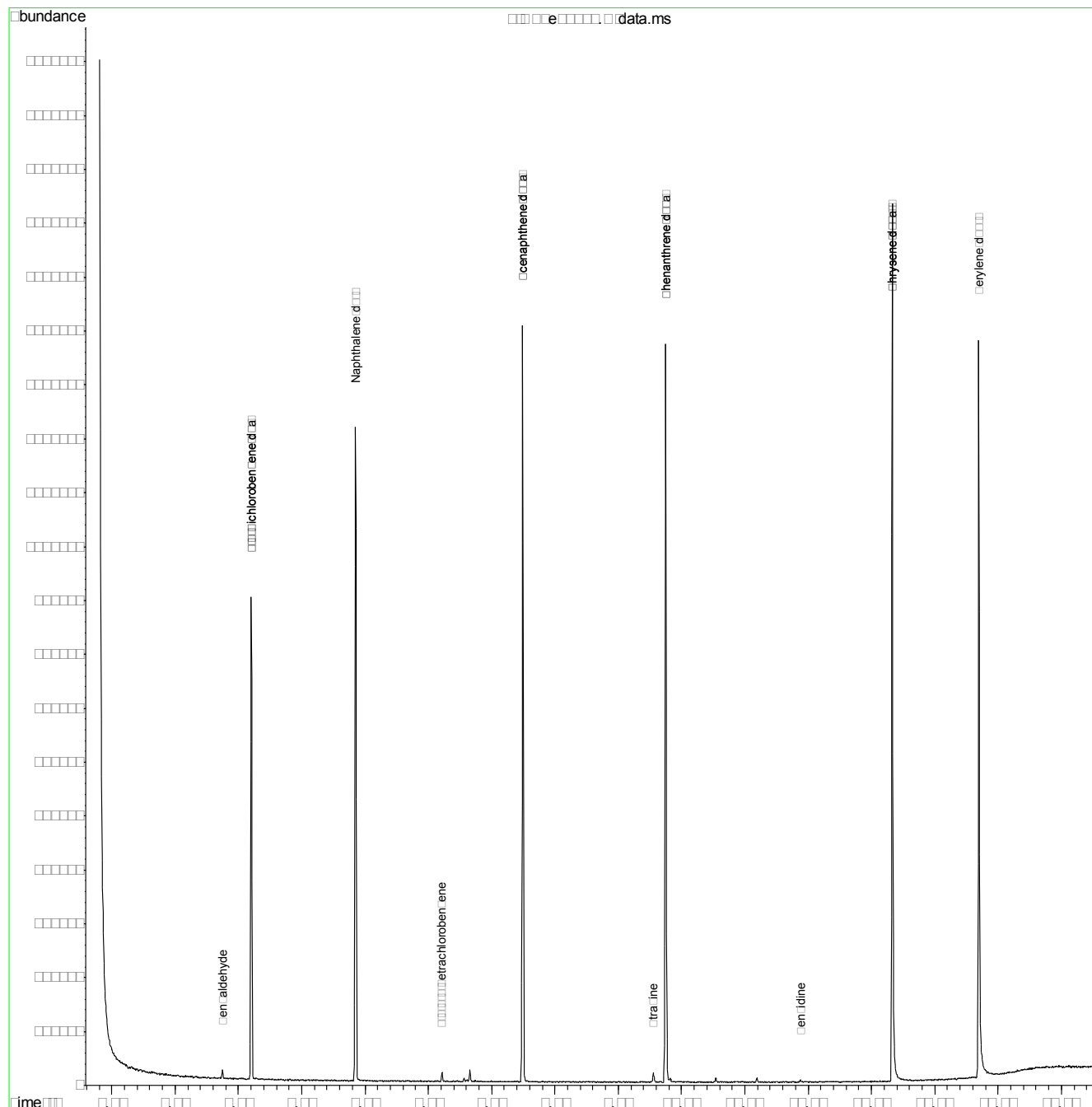
86.16

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30100.D
Acq On : 11 Oct 2010 10:48 pm
Operator : olgaa
Sample : ic1332-1
Misc : op45964,e3e1332,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 12 10:57:33 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 10:51:24 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30101.D
 Acq On : 11 Oct 2010 11:13 pm
 Operator : olgaa
 Sample : icv1331-50
 Misc : op45964,e3e1332,
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 12 09:16:14 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:14:06 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	226157	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	891284	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	548778	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	888788	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	829643	40.00	ppb	0.00
92) Perylene-d12	14.696	264	724856	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	226157	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	548778	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	888788	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	829643	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
9) Phenol	2.913	94	497144	44.42	ppb	84
12) 2-Chlorophenol	3.010	128	415289	48.96	ppb	100
19) 2-Methylphenol	3.609	108	370025	49.07	ppb	98
21) 3&4-Methylphenol	3.796	108	392124	47.74	ppb	99
29) 2-Nitrophenol	4.374	139	224214	47.44	ppb	# 75
30) 2,4-Dimethylphenol	4.507	107	389396	50.12	ppb	97
31) Benzoic acid	4.743	105	239930	41.12	ppb	84
33) 2,4-Dichlorophenol	4.705	162	324937	46.59	ppb	94
34) 2,6-Dichlorophenol	5.037	162	326059	47.23	ppb	98
43) 4-Chloro-3-methylphenol	5.823	107	339049	46.07	ppb	96
49) 2,4,6-Trichlorophenol	6.406	196	224938	48.34	ppb	97
50) 2,4,5-Trichlorophenol	6.449	196	238444	49.24	ppb	100
60) 2,4-Dinitrophenol	7.684	184	99861	46.84	ppb	97
61) 4-Nitrophenol	7.888	109	94855	46.43	ppb	96
64) 2,3,4,6-Tetrachlorophenol	8.091	232	165966	46.39	ppb	99
70) 4,6-Dinitro-2-methylph...	8.545	198	144956	46.05	ppb	99
76) Pentachlorophenol	9.610	266	132522	47.31	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30102.D
 Acq On : 11 Oct 2010 11:38 pm
 Operator : olgaa
 Sample : icv1331-50
 Misc : op45964,e3e1332,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 09:18:20 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:14:06 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	179567	40.00	ppb	0.00
24) Naphthalene-d8	4.855	136	692566	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	424977	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	674359	40.00	ppb	0.00
83) Chrysene-d12	13.332	240	671044	40.00	ppb	0.00
92) Perylene-d12	14.696	264	581326	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	179567	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	424977	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	674359	40.00	ppb	0.00
109) Chrysene-d12a	13.332	240	671044	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =		0.00%	
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =		0.00%	
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =		0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =		0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =		0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =		0.00%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.047	88	111266	48.66	ppb	99
3) Pyridine	1.202	79	326778	53.82	ppb	98
4) N-Nitrosodimethylamine	1.196	74	198008	52.94	ppb	96
6) Indene	3.534	116	464510	49.24	ppb	99
7) Cumene	2.427	105	572136	46.06	ppb	100
11) bis(2-Chloroethyl)ether	2.977	93	328902	52.51	ppb	97
13) Decane	3.090	43	357165	48.93	ppb	96
14) 1,3-Dichlorobenzene	3.159	146	391605	55.02	ppb	99
15) 1,4-Dichlorobenzene	3.224	146	398089	54.42	ppb	100
16) Benzyl alcohol	3.421	108	250751	54.40	ppb	99
17) 1,2-Dichlorobenzene	3.437	146	376369	55.00	ppb	99
18) Acetophenone	3.737	105	473858	53.86	ppb	99
20) 2,2'-oxybis(1-Chloropr...	3.625	121	134537	54.40	ppb	# 86
22) n-Nitroso-di-n-propyla...	3.796	70	237224	51.93	ppb	96
23) Hexachloroethane	3.812	201	125257	55.60	ppb	96
26) Nitrobenzene	3.946	123	187888	53.09	ppb	100
27) Quinoline	5.374	129	688311	55.92	ppb	100
28) Isophorone	4.266	82	650645	54.81	ppb	98
32) bis(2-Chloroethoxy)met...	4.636	93	402666	55.20	ppb	99
36) 1,2,4-Trichlorobenzene	4.812	180	306481	54.67	ppb	99
38) Naphthalene	4.882	128	1085200	53.66	ppb	100
40) 2,3-Dichloroaniline	6.401	161	319719	50.84	ppb	98
41) Caprolactam	5.491	55	156868	47.92	ppb	98
42) Hexachlorobutadiene	5.186	225	159819	55.74	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30102.D
 Acq On : 11 Oct 2010 11:38 pm
 Operator : olgaa
 Sample : icv1331-50
 Misc : op45964,e3e1332,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 09:18:20 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:14:06 2010
 Response via : Initial Calibration

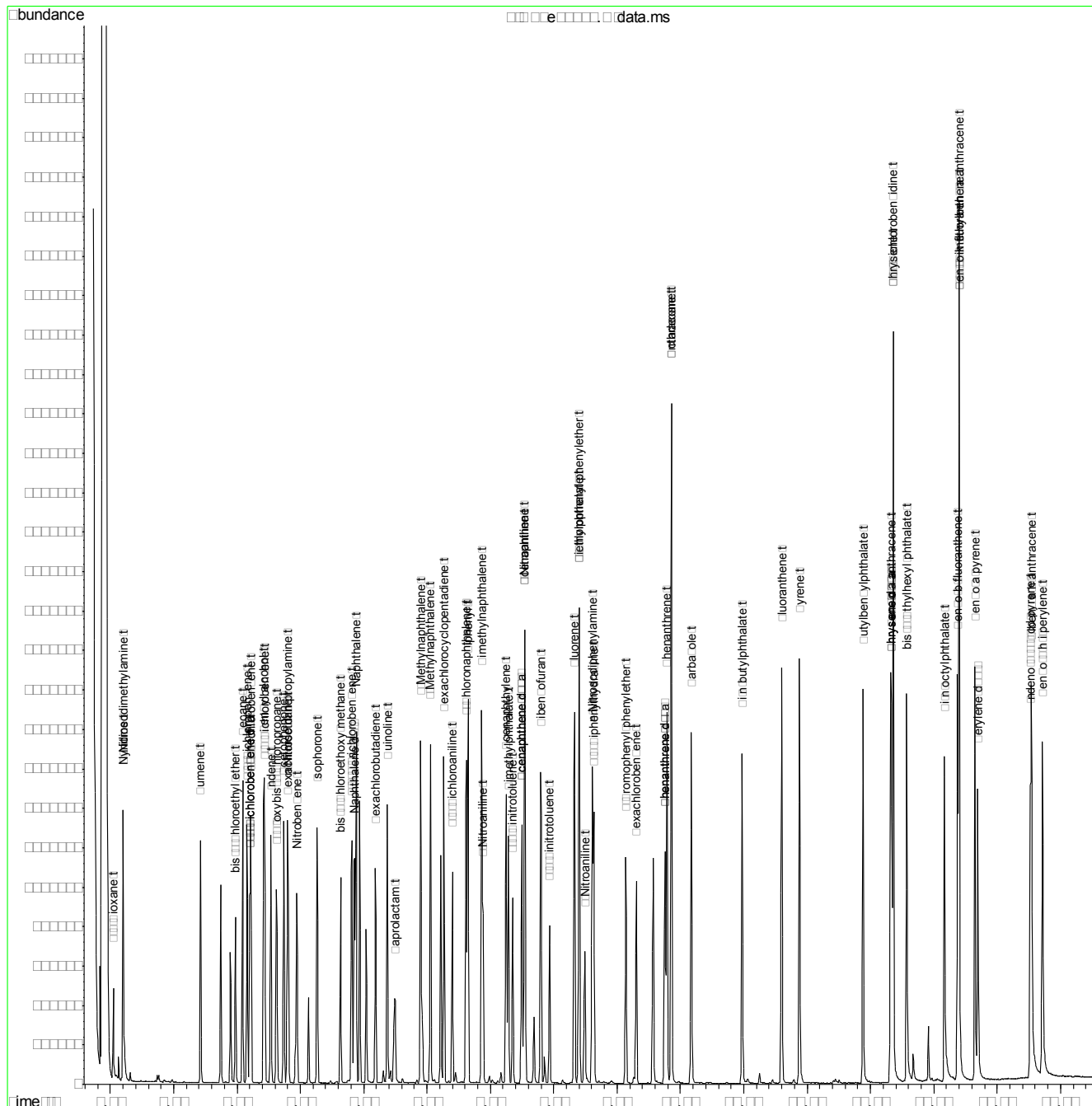
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2-Methylnaphthalene	5.898	142	687474	50.52	ppb	99
45) 1-Methylnaphthalene	6.053	142	658802	52.26	ppb	99
46) Dimethylnaphthalene	6.861	156	601968	52.97	ppb	99
48) Hexachlorocyclopentadiene	6.267	237	348630	129.71	ppb	98
52) 2-Chloronaphthalene	6.620	162	663688	54.54	ppb	99
53) Biphenyl	6.647	154	827256	53.08	ppb	99
54) 2-Nitroaniline	6.882	65	189252	50.88	ppb	96
55) Dimethylphthalate	7.283	163	760326	53.62	ppb	99
56) Acenaphthylene	7.251	152	949125	49.03	ppb	99
57) 2,6-Dinitrotoluene	7.353	165	170110	53.07	ppb	95
58) 3-Nitroaniline	7.535	138	166322	44.17	ppb	98
59) Acenaphthene	7.545	153	666580	54.14	ppb	98
62) Dibenzofuran	7.797	168	921269	52.25	ppb	92
63) 2,4-Dinitrotoluene	7.936	165	225654	52.37	ppb	91
65) Diethylphthalate	8.406	149	729516	52.59	ppb	99
66) Fluorene	8.326	166	773222	55.27	ppb	99
67) 4-Chlorophenyl-phenyle...	8.401	204	345729	52.55	ppb	97
68) 4-Nitroaniline	8.492	138	193403	51.06	ppb	100
71) n-Nitrosodiphenylamine	8.610	169	536923	53.39	ppb	99
72) 1,2-Diphenylhydrazine	8.631	77	747270	54.67	ppb	100
74) 4-Bromophenyl-phenylether	9.139	248	186580	55.37	ppb	97
75) Hexachlorobenzene	9.305	284	189180	54.71	ppb	98
77) Phenanthrene	9.786	178	1057492	54.75	ppb	100
78) Anthracene	9.856	178	1031005	54.56	ppb	99
79) Carbazole	10.171	167	1025976	56.32	ppb	99
80) Di-n-butylphthalate	10.974	149	1237304	56.75	ppb	100
81) Fluoranthene	11.599	202	1101953	56.72	ppb	99
82) Octadecane	9.861	57	479279	53.34	ppb	98
84) Pyrene	11.883	202	1138958	53.29	ppb	100
86) Butylbenzylphthalate	12.883	149	528450	55.32	ppb	97
88) Benzo[a]anthracene	13.316	228	951113	53.91	ppb	99
89) 3,3'-Dichlorobenzidine	13.359	252	278930	41.79	ppb	99
90) Chrysene	13.359	228	998731	54.04	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.573	149	699055	52.08	ppb	100
93) Di-n-octylphthalate	14.167	149	1119901	50.48	ppb	99
94) Benzo[b]fluoranthene	14.375	252	888062	49.97	ppb	97
95) Benzo[k]fluoranthene	14.402	252	1072158	53.13	ppb	98
96) Benzo[a]pyrene	14.648	252	849328	52.18	ppb	99
97) Indeno[1,2,3-cd]pyrene	15.525	276	1041219	55.02	ppb	96
99) Dibenz[a,h]anthracene	15.541	278	835767	52.73	ppb	96
100) 7,12-Dimethylbenz(a)an...	14.402	256	434595	54.89	ppb	99
101) Benzo[g,h,i]perylene	15.718	276	898583	58.39	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
Data File : 3e30102.D
Acq On : 11 Oct 2010 11:38 pm
Operator : olgaa
Sample : icv1331-50
Misc : op45964,e3e1332,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 09:18:20 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 09:14:06 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30102a.D
 Acq On : 11 Oct 2010 11:38 pm
 Operator : olgaa
 Sample : icv1332-50
 Misc : op45964,e3e1332,
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 12 11:15:10 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:11:42 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	179567	40.00	ppb	0.00
24) Naphthalene-d8	4.855	136	692566	40.00	ppb	0.00
47) Acenaphthene-d10	7.497	164	424977	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	674359	40.00	ppb	0.00
83) Chrysene-d12	13.332	240	671044	40.00	ppb	0.00
92) Perylene-d12	14.696	264	581326	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	179567	40.00	ppb	0.00
104) Acenaphthene-d10a	7.497	164	424977	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	674359	40.00	ppb	0.00
109) Chrysene-d12a	13.332	240	671044	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =			0.00%
8) Phenol-d5	0.000	99	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =			0.00%
25) Nitrobenzene-d5	0.000	82	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =			0.00%
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery =			0.00%
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =			0.00%
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =			0.00%

Target Compounds

						Qvalue
103) Benzaldehyde	2.742	105	223778	49.26	ppb	95
105) 1,2,4,5-Tetrachloroben...	6.219	216	280657	57.25	ppb	99
107) Atrazine	9.572	215	105296	59.72	ppb	96

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

86.19

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30103.D
 Acq On : 12 Oct 2010 12:02 am
 Operator : olgaa
 Sample : icv1331-50
 Misc : op45964,e3e1332,
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 12 09:19:40 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 09:14:06 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	226747	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	891819	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	558010	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	894243	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	838012	40.00	ppb	0.00
92) Perylene-d12	14.697	264	718305	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	226747	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	558010	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	894243	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	838012	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
10) Aniline	2.898	93	559701	46.55	ppb	80
39) 4-Chloroaniline	5.042	127	515285	47.13	ppb	99

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

86.20

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1331\
 Data File : 3e30104.D
 Acq On : 12 Oct 2010 12:27 am
 Operator : olgaa
 Sample : icv1332-50
 Misc : op45964,e3e1332,
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 12 11:17:15 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:16:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	180234	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	702397	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	437931	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	697921	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	649525	40.00	ppb	0.00
92) Perylene-d12	14.696	264	532108	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	180234	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	437931	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	697921	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	649525	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

					Qvalue
108) Benzidine	11.878	184	764691	110.08	ppb 100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30106.D
 Acq On : 12 Oct 2010 9:41 am
 Operator : olgaa
 Sample : cc1331-25
 Misc : op45964,e3e1333,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 15:50:19 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	173235	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	681035	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	430521	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	688704	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	655601	40.00	ppb	0.00
92) Perylene-d12	14.691	264	550438	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	173235	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	430521	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	688704	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	655601	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.010	112	149320	25.81	ppb	0.00
Spiked Amount 50.000			Recovery =	51.62%		
8) Phenol-d5	2.892	99	196471	25.64	ppb	-0.01
Spiked Amount 50.000			Recovery =	51.28%		
25) Nitrobenzene-d5	3.919	82	173874	26.03	ppb	0.00
Spiked Amount 50.000			Recovery =	52.06%		
51) 2-Fluorobiphenyl	6.529	172	393393	26.40	ppb	0.00
Spiked Amount 50.000			Recovery =	52.80%		
73) 2,4,6-Tribromophenol	8.727	330	37314	27.51	ppb	-0.01
Spiked Amount 50.000			Recovery =	55.02%		
85) Terphenyl-d14	12.193	244	331110	26.80	ppb	0.00
Spiked Amount 50.000			Recovery =	53.60%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	53835	24.41	ppb	97
3) Pyridine	1.213	79	144138	24.61	ppb	98
4) N-Nitrosodimethylamine	1.202	74	89304	24.75	ppb	87
6) Indene	3.534	116	233796	25.69	ppb	99
7) Cumene	2.427	105	312406	26.07	ppb	99
9) Phenol	2.908	94	221327	25.82	ppb	100
10) Aniline	2.897	93	241269	26.26	ppb	93
11) bis(2-Chloroethyl)ether	2.978	93	154871	25.63	ppb	98
12) 2-Chlorophenol	3.004	128	167866	25.84	ppb	100
13) Decane	3.085	43	177391	25.19	ppb	100
14) 1,3-Dichlorobenzene	3.160	146	180774	26.33	ppb	100
15) 1,4-Dichlorobenzene	3.218	146	182780	25.90	ppb	99
16) Benzyl alcohol	3.416	108	116517	26.20	ppb	98
17) 1,2-Dichlorobenzene	3.432	146	173410	26.27	ppb	98
18) Acetophenone	3.737	105	221484	26.10	ppb	98
19) 2-Methylphenol	3.604	108	151836	26.29	ppb	96
20) 2,2'-oxybis(1-Chloropr...	3.620	121	61526	25.79	ppb	93
21) 3&4-Methylphenol	3.796	108	163907	26.05	ppb	99
22) n-Nitroso-di-n-propyla...	3.796	70	113417	25.73	ppb	98
23) Hexachloroethane	3.807	201	57386	26.40	ppb	99
26) Nitrobenzene	3.940	123	90611	26.04	ppb	97
27) Quinoline	5.374	129	319005	26.36	ppb	98
28) Isophorone	4.261	82	313469	26.85	ppb	98
29) 2-Nitrophenol	4.374	139	94096	26.06	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30106.D
 Acq On : 12 Oct 2010 9:41 am
 Operator : olgaa
 Sample : cc1331-25
 Misc : op45964,e3e1333,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 15:50:19 2010

Quant Method : C:\msdchem\1\METHODS\M3E1331.M

Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um

QLast Update : Tue Oct 12 11:17:46 2010

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.502	107	161450	27.20	ppb	99
31) Benzoic acid	4.689	105	108152	24.26	ppb	84
32) bis(2-Chloroethoxy)met...	4.630	93	185374	25.84	ppb	99
33) 2,4-Dichlorophenol	4.700	162	142467	26.73	ppb	99
34) 2,6-Dichlorophenol	5.032	162	140728	26.68	ppb	99
35) 1,3,5-Trichlorobenzene	4.374	180	141105	25.75	ppb	99
36) 1,2,4-Trichlorobenzene	4.807	180	142903	25.92	ppb	97
37) 1,2,3-Trichlorobenzene	5.144	180	136159	25.95	ppb	99
38) Naphthalene	4.876	128	522376	26.27	ppb	99
39) 4-Chloroaniline	5.037	127	221837	26.57	ppb	98
40) 2,3-Dichloroaniline	6.396	161	163303	26.41	ppb	99
41) Caprolactam	5.497	55	81774	25.41	ppb	95
42) Hexachlorobutadiene	5.181	225	73108	25.93	ppb	98
43) 4-Chloro-3-methylphenol	5.823	107	150192	26.71	ppb	78
44) 2-Methylnaphthalene	5.893	142	358608	26.80	ppb	96
45) 1-Methylnaphthalene	6.053	142	322444	26.01	ppb	99
46) Dimethylnaphthalene	6.855	156	298521	26.71	ppb	99
48) Hexachlorocyclopentadiene	6.267	237	146838	53.93	ppb	100
49) 2,4,6-Trichlorophenol	6.401	196	97020	26.58	ppb	98
50) 2,4,5-Trichlorophenol	6.449	196	100353	26.42	ppb	98
52) 2-Chloronaphthalene	6.615	162	326191	26.46	ppb	99
53) Biphenyl	6.642	154	411096	26.04	ppb	99
54) 2-Nitroaniline	6.877	65	98903	26.25	ppb	99
55) Dimethylphthalate	7.278	163	381893	26.59	ppb	99
56) Acenaphthylene	7.246	152	528579	26.95	ppb	98
57) 2,6-Dinitrotoluene	7.342	165	85429	26.31	ppb	96
58) 3-Nitroaniline	7.529	138	102433	26.85	ppb	98
59) Acenaphthene	7.535	153	327195	26.23	ppb	100
60) 2,4-Dinitrophenol	7.685	184	77271	46.28	ppb	95
61) 4-Nitrophenol	7.882	109	41593	25.95	ppb	94
62) Dibenzofuran	7.792	168	476308	26.67	ppb	92
63) 2,4-Dinitrotoluene	7.931	165	115894	26.55	ppb	94
64) 2,3,4,6-Tetrachlorophenol	8.086	232	76937	27.41	ppb	98
65) Diethylphthalate	8.401	149	375206	26.70	ppb	98
66) Fluorene	8.321	166	377355	26.63	ppb	96
67) 4-Chlorophenyl-phenyle...	8.396	204	177753	26.67	ppb	99
68) 4-Nitroaniline	8.481	138	102269	26.65	ppb	99
70) 4,6-Dinitro-2-methylph...	8.540	198	60935	24.98	ppb	98
71) n-Nitrosodiphenylamine	8.604	169	278066	27.08	ppb	100
72) 1,2-Diphenylhydrazine	8.626	77	370434	26.54	ppb	100
74) 4-Bromophenyl-phenylether	9.134	248	90289	26.24	ppb	97
75) Hexachlorobenzene	9.294	284	91839	26.00	ppb	98
76) Pentachlorophenol	9.610	266	119362	54.99	ppb	99
77) Phenanthrene	9.781	178	518083	26.26	ppb	99
78) Anthracene	9.851	178	520033	26.95	ppb	100
79) Carbazole	10.166	167	504465	27.12	ppb	99
80) Di-n-butylphthalate	10.969	149	609423	27.37	ppb	100
81) Fluoranthene	11.594	202	534989	26.96	ppb	99
82) Octadecane	9.856	57	243355	26.52	ppb	99
84) Pyrene	11.873	202	567314	27.17	ppb	100

8.6.22

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30106.D
Acq On : 12 Oct 2010 9:41 am
Operator : olgaa
Sample : cc1331-25
Misc : op45964,e3e1333,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 15:50:19 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration

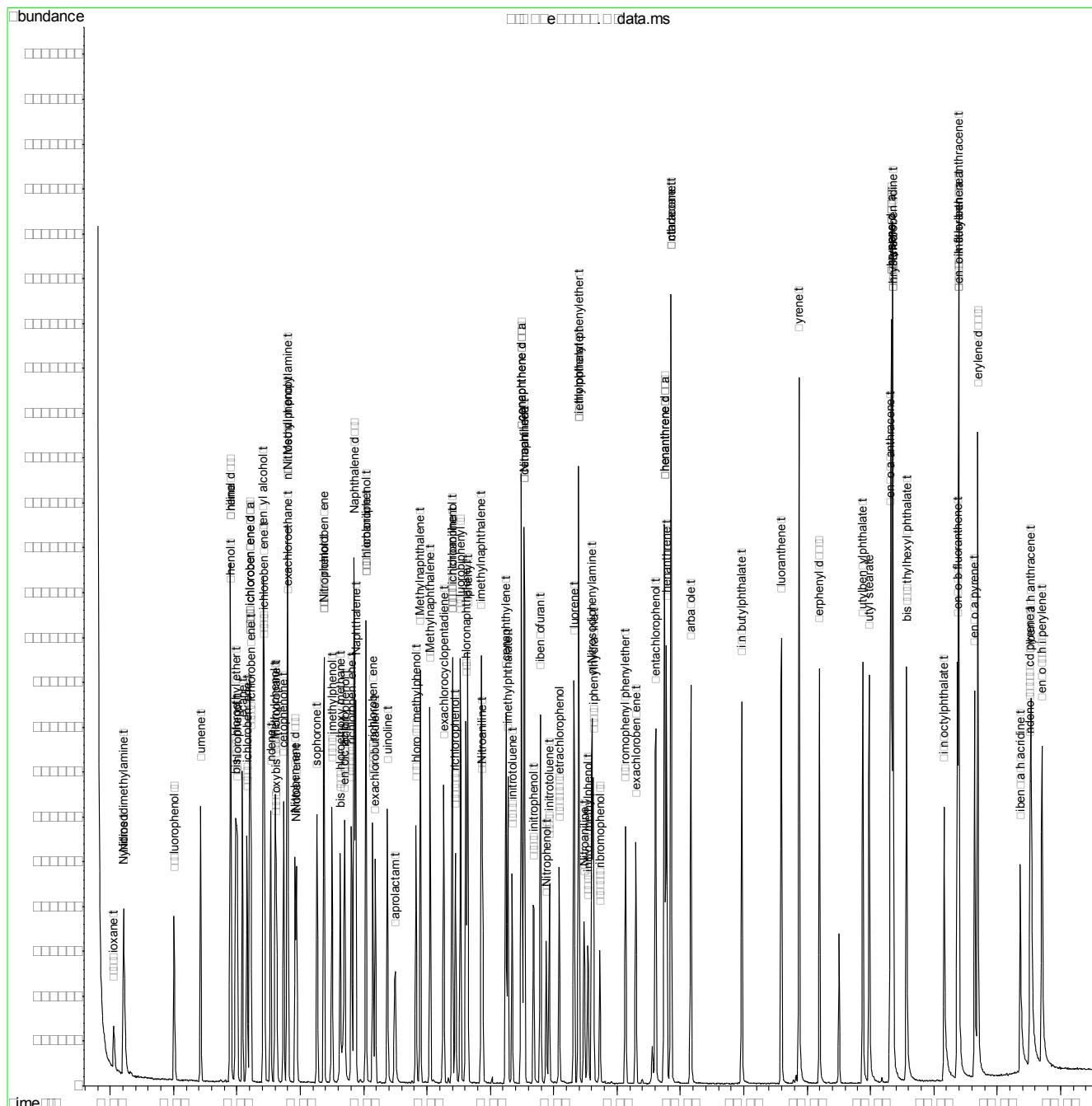
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.878	149	253067	27.12	ppb	99
87) Butyl stearate	12.980	56	152071	24.90	ppb	98
88) Benzo[a]anthracene	13.311	228	458556	26.61	ppb	99
89) 3,3'-Dichlorobenzidine	13.359	252	163323	25.17	ppb	96
90) Chrysene	13.354	228	474213	26.26	ppb	98
91) bis(2-Ethylhexyl)phtha...	13.568	149	329829	25.15	ppb	99
93) Di-n-octylphthalate	14.162	149	490152	23.83	ppb	98
94) Benzo[b]fluoranthene	14.370	252	397310	24.65	ppb	95
95) Benzo[k]fluoranthene	14.392	252	516614	27.04	ppb	95
96) Benzo[a]pyrene	14.643	252	385468	25.24	ppb	97
97) Indeno[1,2,3-cd]pyrene	15.520	276	457226	25.51	ppb	96
98) Dibenz(a,h)acridine	15.365	279	282887	22.59	ppb	99
99) Dibenz[a,h]anthracene	15.536	278	353753	23.82	ppb	93
100) 7,12-Dimethylbenz(a)an...	14.397	256	208588	27.38	ppb	95
101) Benzo[g,h,i]perylene	15.707	276	395197	27.12	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
Data File : 3e30106.D
Acq On : 12 Oct 2010 9:41 am
Operator : olgaa
Sample : cc1331-25
Misc : op45964,e3e1333,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 12 15:50:19 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1333\
 Data File : 3e30107.D
 Acq On : 12 Oct 2010 10:08 am
 Operator : olgaa
 Sample : cc1332-50
 Misc : op45964,e3e1333,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 12 15:51:29 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	169724	40.00	ppb	0.00
24) Naphthalene-d8	4.844	136	677709	40.00	ppb	-0.01
47) Acenaphthene-d10	7.492	164	447053	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	740425	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	704398	40.00	ppb	0.00
92) Perylene-d12	14.696	264	611813	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	169724	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	447053	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	740425	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	704398	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	2.742	105	222674	51.86	ppb	93
105) 1,2,4,5-Tetrachloroben...	6.213	216	261189	50.65	ppb	97
107) Atrazine	9.572	215	101904	52.64	ppb	95
108) Benzidine	11.872	184	480434	51.23	ppb	99

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

8.6.23

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30138.D
 Acq On : 13 Oct 2010 10:09 am
 Operator : olgaa
 Sample : cc1331-25
 Misc : op46062,e3e1334,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 16:22:47 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.202	152	197047	40.00	ppb	0.00
24) Naphthalene-d8	4.850	136	775580	40.00	ppb	0.00
47) Acenaphthene-d10	7.492	164	493768	40.00	ppb	0.00
69) Phenanthrene-d10	9.754	188	806135	40.00	ppb	0.00
83) Chrysene-d12	13.333	240	791069	40.00	ppb	0.00
92) Perylene-d12	14.697	264	703021	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.202	152	197047	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	493768	40.00	ppb	0.00
106) Phenanthrene-d10a	9.754	188	806135	40.00	ppb	0.00
109) Chrysene-d12a	13.333	240	791069	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	2.010	112	174970	26.59	ppb	0.00
Spiked Amount 50.000			Recovery =	53.18%		
8) Phenol-d5	2.897	99	225027	25.82	ppb	0.00
Spiked Amount 50.000			Recovery =	51.64%		
25) Nitrobenzene-d5	3.919	82	193345	25.42	ppb	0.00
Spiked Amount 50.000			Recovery =	50.84%		
51) 2-Fluorobiphenyl	6.529	172	438971	25.68	ppb	0.00
Spiked Amount 50.000			Recovery =	51.36%		
73) 2,4,6-Tribromophenol	8.733	330	46490	29.29	ppb	0.00
Spiked Amount 50.000			Recovery =	58.58%		
85) Terphenyl-d14	12.193	244	404359	27.13	ppb	0.00
Spiked Amount 50.000			Recovery =	54.26%		

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.052	88	61479	24.50	ppb	100
3) Pyridine	1.207	79	172461	25.88	ppb	98
4) N-Nitrosodimethylamine	1.197	74	103258	25.16	ppb	89
6) Indene	3.534	116	272391	26.31	ppb	100
7) Cumene	2.427	105	354196	25.99	ppb	99
9) Phenol	2.908	94	252743	25.92	ppb	98
10) Aniline	2.897	93	259006	24.79	ppb	94
11) bis(2-Chloroethyl)ether	2.978	93	171337	24.93	ppb	92
12) 2-Chlorophenol	3.004	128	194104	26.27	ppb	98
13) Decane	3.085	43	203268	25.38	ppb	97
14) 1,3-Dichlorobenzene	3.160	146	207079	26.51	ppb	99
15) 1,4-Dichlorobenzene	3.218	146	210374	26.21	ppb	100
16) Benzyl alcohol	3.422	108	127619	25.23	ppb	98
17) 1,2-Dichlorobenzene	3.438	146	195806	26.07	ppb	97
18) Acetophenone	3.737	105	248838	25.78	ppb	98
19) 2-Methylphenol	3.603	108	171262	26.07	ppb	97
20) 2,2'-oxybis(1-Chloropr...	3.620	121	70768	26.08	ppb	95
21) 3&4-Methylphenol	3.796	108	186130	26.01	ppb	99
22) n-Nitroso-di-n-propyla...	3.796	70	129052	25.74	ppb	96
23) Hexachloroethane	3.807	201	65248	26.39	ppb	98
26) Nitrobenzene	3.940	123	103516	26.12	ppb	96
27) Quinoline	5.374	129	360147	26.13	ppb	100
28) Isophorone	4.261	82	344572	25.92	ppb	100
29) 2-Nitrophenol	4.374	139	110864	26.96	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30138.D
 Acq On : 13 Oct 2010 10:09 am
 Operator : olgaa
 Sample : cc1331-25
 Misc : op46062,e3e1334,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 16:22:47 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 2,4-Dimethylphenol	4.502	107	173757	25.70	ppb	99
31) Benzoic acid	4.711	105	149953	29.53	ppb	81
32) bis(2-Chloroethoxy)met...	4.630	93	209761	25.68	ppb	99
33) 2,4-Dichlorophenol	4.705	162	161315	26.58	ppb	98
34) 2,6-Dichlorophenol	5.037	162	160679	26.75	ppb	97
35) 1,3,5-Trichlorobenzene	4.374	180	163817	26.25	ppb	99
36) 1,2,4-Trichlorobenzene	4.807	180	164474	26.20	ppb	98
37) 1,2,3-Trichlorobenzene	5.149	180	158846	26.58	ppb	99
38) Naphthalene	4.876	128	587328	25.93	ppb	99
39) 4-Chloroaniline	5.037	127	250517	26.35	ppb	98
40) 2,3-Dichloroaniline	6.395	161	187438	26.61	ppb	97
41) Caprolactam	5.502	55	97640	26.64	ppb	96
42) Hexachlorobutadiene	5.181	225	84255	26.24	ppb	98
43) 4-Chloro-3-methylphenol	5.834	107	171603	26.79	ppb	# 32
44) 2-Methylnaphthalene	5.898	142	400898	26.31	ppb	98
45) 1-Methylnaphthalene	6.053	142	370838	26.27	ppb	99
46) Dimethylnaphthalene	6.861	156	339209	26.65	ppb	97
48) Hexachlorocyclopentadiene	6.262	237	166701	53.38	ppb	100
49) 2,4,6-Trichlorophenol	6.406	196	113134	27.02	ppb	99
50) 2,4,5-Trichlorophenol	6.454	196	117932	27.07	ppb	100
52) 2-Chloronaphthalene	6.615	162	366521	25.92	ppb	99
53) Biphenyl	6.647	154	467561	25.82	ppb	98
54) 2-Nitroaniline	6.877	65	115754	26.78	ppb	97
55) Dimethylphthalate	7.278	163	432581	26.26	ppb	99
56) Acenaphthylene	7.246	152	597918	26.58	ppb	98
57) 2,6-Dinitrotoluene	7.348	165	101510	27.25	ppb	97
58) 3-Nitroaniline	7.529	138	118270	27.03	ppb	99
59) Acenaphthene	7.540	153	372978	26.07	ppb	99
60) 2,4-Dinitrophenol	7.690	184	108715	55.48	ppb	97
61) 4-Nitrophenol	7.893	109	52383	28.50	ppb	94
62) Dibenzofuran	7.791	168	537100	26.22	ppb	92
63) 2,4-Dinitrotoluene	7.936	165	138528	27.67	ppb	98
64) 2,3,4,6-Tetrachlorophenol	8.091	232	92426	28.71	ppb	98
65) Diethylphthalate	8.401	149	428404	26.58	ppb	99
66) Fluorene	8.321	166	431331	26.54	ppb	100
67) 4-Chlorophenyl-phenyle...	8.396	204	198068	25.91	ppb	98
68) 4-Nitroaniline	8.487	138	119411	27.14	ppb	99
70) 4,6-Dinitro-2-methylph...	8.551	198	82856	29.02	ppb	99
71) n-Nitrosodiphenylamine	8.604	169	313461	26.08	ppb	99
72) 1,2-Diphenylhydrazine	8.626	77	422573	25.86	ppb	99
74) 4-Bromophenyl-phenylether	9.134	248	105775	26.26	ppb	93
75) Hexachlorobenzene	9.300	284	109220	26.42	ppb	99
76) Pentachlorophenol	9.615	266	151691	59.70	ppb	98
77) Phenanthrene	9.787	178	595990	25.81	ppb	99
78) Anthracene	9.851	178	593686	26.28	ppb	100
79) Carbazole	10.172	167	582107	26.73	ppb	98
80) Di-n-butylphthalate	10.969	149	722446	27.72	ppb	100
81) Fluoranthene	11.600	202	630742	27.16	ppb	99
82) Octadecane	9.856	57	275351	25.64	ppb	99
84) Pyrene	11.878	202	665069	26.40	ppb	99

8.6.24
8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30138.D
 Acq On : 13 Oct 2010 10:09 am
 Operator : olgaa
 Sample : cc1331-25
 Misc : op46062,e3e1334,
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 16:22:47 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Butylbenzylphthalate	12.878	149	323824	28.76	ppb	98
87) Butyl stearate	12.980	56	203895	27.67	ppb	98
88) Benzo[a]anthracene	13.317	228	568731	27.35	ppb	99
89) 3,3'-Dichlorobenzidine	13.359	252	221302	28.23	ppb	97
90) Chrysene	13.359	228	559651	25.69	ppb	99
91) bis(2-Ethylhexyl)phtha...	13.568	149	435679	27.54	ppb	99
93) Di-n-octylphthalate	14.162	149	745510	28.20	ppb	99
94) Benzo[b]fluoranthene	14.376	252	621063	29.73	ppb	96
95) Benzo[k]fluoranthene	14.397	252	540824	22.16	ppb	96
96) Benzo[a]pyrene	14.643	252	536647	27.48	ppb	97
97) Indeno[1,2,3-cd]pyrene	15.520	276	615529	26.89	ppb	97
98) Dibenz(a,h)acridine	15.365	279	454269	28.07	ppb	99
99) Dibenz[a,h]anthracene	15.542	278	521071	27.40	ppb	97
100) 7,12-Dimethylbenz(a)an...	14.397	256	246368	25.26	ppb	99
101) Benzo[g,h,i]perylene	15.713	276	516743	27.76	ppb	99

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

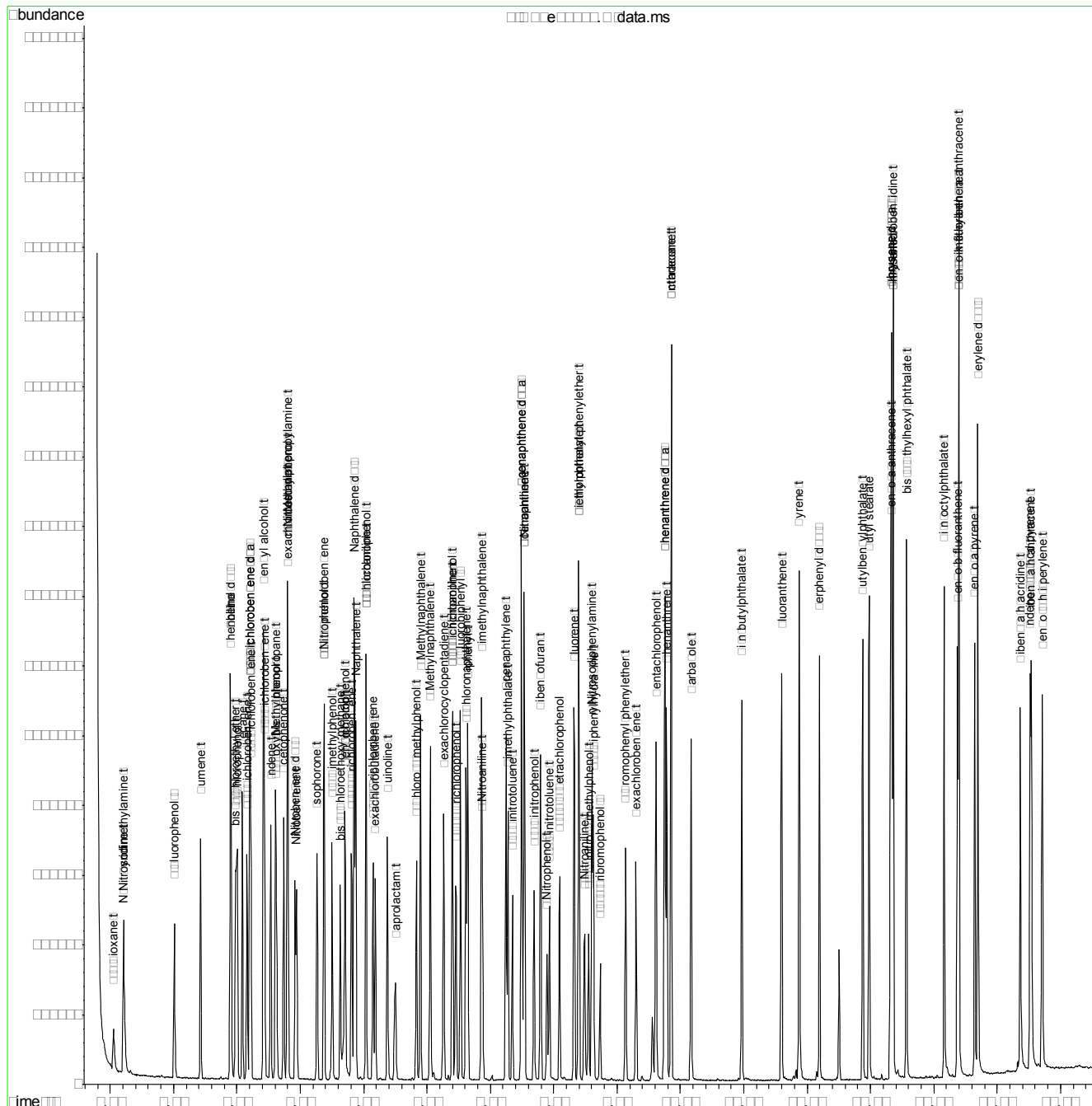
8.6.24

8

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
Data File : 3e30138.D
Acq On : 13 Oct 2010 10:09 am
Operator : olgaa
Sample : cc1331-25
Misc : op46062,e3e1334,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 16:22:47 2010
Quant Method : C:\msdchem\1\METHODS\M3E1331.M
Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
QLast Update : Tue Oct 12 11:17:46 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e1334\
 Data File : 3e30139.D
 Acq On : 13 Oct 2010 10:33 am
 Operator : olgaa
 Sample : cc1332-50
 Misc : op46062,e3e1334,
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 14 16:25:49 2010
 Quant Method : C:\msdchem\1\METHODS\M3E1331.M
 Quant Title : Semi Volatile GC/MS, ZB-5MS 15m x .25mm x .25um
 QLast Update : Tue Oct 12 11:17:46 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.197	152	166190	40.00	ppb	-0.01
24) Naphthalene-d8	4.844	136	669139	40.00	ppb	-0.01
47) Acenaphthene-d10	7.492	164	438442	40.00	ppb	0.00
69) Phenanthrene-d10	9.749	188	728323	40.00	ppb	0.00
83) Chrysene-d12	13.327	240	711573	40.00	ppb	0.00
92) Perylene-d12	14.696	264	649651	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	3.197	152	166190	40.00	ppb	0.00
104) Acenaphthene-d10a	7.492	164	438442	40.00	ppb	0.00
106) Phenanthrene-d10a	9.749	188	728323	40.00	ppb	0.00
109) Chrysene-d12a	13.327	240	711573	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.000	112	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
8) Phenol-d5	0.000	99	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
25) Nitrobenzene-d5	0.000	82	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.000	172	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.000	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
85) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	2.742	105	218003	51.86	ppb	96
105) 1,2,4,5-Tetrachloroben...	6.214	216	258866	51.19	ppb	99
107) Atrazine	9.567	215	105035	55.16	ppb	95
108) Benzidine	11.872	184	537875	63.63	ppb	100

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

86.25

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52533.D
 Acq On : 30 Sep 2010 8:26 am
 Operator : ninap
 Sample : icc2264-50
 Misc : op45836,ep2264
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 08:56:11 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:54:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.00	152	150597	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	573295	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	331863	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	555355	40.00	ppb	0.00
83) Chrysene-d12	15.04	240	514284	40.00	ppb	0.00
92) Perylene-d12	16.57	264	490683	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.00	152	150597	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	573295	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	555355	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	331863	40.00	ppb	0.00
114) Chrysene-d12a	15.04	240	514284	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	573295	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	294017	50.00	ppb	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
8) Phenol-d5	4.56	99	377022	50.00	ppb	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
25) Nitrobenzene-d5	5.78	82	283777	49.95	ppb	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
51) 2-Fluorobiphenyl	8.52	172	537003	50.03	ppb	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
73) 2,4,6-Tribromophenol	10.84	330	67099	50.28	ppb	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
86) Terphenyl-d14	13.90	244	545633	49.79	ppb	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	106543	50.00	ppb	100
3) Pyridine	2.49	79	285262	50.00	ppb	100
4) N-Nitrosodimethylamine	2.46	74	178443	50.00	ppb	100
6) Indene	5.37	116	329734	50.00	ppb	100
7) Cumene	4.09	105	575151	50.00	ppb	100
9) Phenol	4.58	94	351852	50.13	ppb	100
10) Aniline	4.62	93	358155	50.08	ppb	90
11) bis(2-Chloroethyl)ether	4.69	93	250720	50.00	ppb	100
12) 2-Chlorophenol	4.77	128	255125	50.02	ppb	100
13) Decane	4.81	43	254427	49.99	ppb	100
14) 1,3-Dichlorobenzene	4.95	146	291215	50.00	ppb	100
15) 1,4-Dichlorobenzene	5.02	146	269620	50.00	ppb	100
16) Benzyl alcohol	5.20	108	181708	49.35	ppb	100
17) 1,2-Dichlorobenzene	5.27	146	255573	50.00	ppb	100
18) Acetophenone	5.57	105	323738	50.05	ppb	100
19) 2-Methylphenol	5.36	108	222585	50.00	ppb	100
20) 2,2'-oxybis(1-Chloropropan	5.41	121	79533	50.03	ppb	100
21) 3&4-Methylphenol	5.56	108	246161	50.00	ppb	100
22) n-Nitroso-di-n-propylamine	5.60	70	169020	50.00	ppb	100
23) Hexachloroethane	5.69	201	88939	50.00	ppb	100
26) Nitrobenzene	5.81	123	127611	49.94	ppb	100
27) Quinoline	7.35	129	477566	50.06	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52533.D
 Acq On : 30 Sep 2010 8:26 am
 Operator : ninap
 Sample : icc2264-50
 Misc : op45836,ep2264
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 08:56:11 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:54:24 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.14	82	517123	49.94	ppb	100
29) 2-Nitrophenol	6.27	139	154526	49.94	ppb	100
30) 2,4-Dimethylphenol	6.33	107	228227	50.42	ppb	97
31) Benzoic Acid	6.50	105	179841	51.18	ppb	# 1
32) bis(2-Chloroethoxy)methane	6.48	93	298756	49.94	ppb	100
33) 2,4-Dichlorophenol	6.61	162	217836	50.02	ppb	100
34) 2,6-Dichlorophenol	6.96	162	198571	49.94	ppb	100
35) 1,3,5-Trichlorobenzene	6.29	180	229498	50.00	ppb	100
36) 1,2,4-Trichlorobenzene	6.75	180	237660	49.94	ppb	100
37) 1,2,3-Trichlorobenzene	7.11	180	215049	49.94	ppb	100
38) Naphthalene	6.83	128	706717	49.94	ppb	100
39) 4-Chloroaniline	6.95	127	313500	49.96	ppb	100
40) 2,3-Dichloroaniline	8.40	161	236272	49.94	ppb	100
41) Caprolactam	7.45	55	125809	50.36	ppb	100
42) Hexachlorobutadiene	7.12	225	110856	49.95	ppb	100
43) 4-Chloro-3-methylphenol	7.71	107	238572	50.14	ppb	100
44) 2-Methylnaphthalene	7.90	142	563334	49.95	ppb	100
45) 1-Methylnaphthalene	8.07	142	501768	49.91	ppb	100
46) Dimethylnaphthalene	8.89	156	423532	49.94	ppb	100
48) Hexachlorocyclopentadiene	8.26	237	236332	100.29	ppb	100
49) 2,4,6-Trichlorophenol	8.39	196	148358	50.00	ppb	100
50) 2,4,5-Trichlorophenol	8.45	196	151209	50.00	ppb	100
52) 2-Chloronaphthalene	8.66	162	431344	50.00	ppb	100
53) Biphenyl	8.65	154	567590	50.02	ppb	100
54) 2-Nitroaniline	8.88	65	150265	50.00	ppb	100
55) Dimethylphthalate	9.24	163	580795	50.00	ppb	100
56) Acenaphthylene	9.32	152	765956	50.17	ppb	100
57) 2,6-Dinitrotoluene	9.33	89	58291	50.00	ppb	100
58) 3-Nitroaniline	9.54	138	159677	50.09	ppb	100
59) Acenaphthene	9.62	153	461451	50.11	ppb	97
60) 2,4-Dinitrophenol	9.71	184	133955	100.00	ppb	100
61) 4-Nitrophenol	9.83	109	69270	48.08	ppb	92
62) Dibenzofuran	9.88	168	656633	50.03	ppb	100
63) 2,4-Dinitrotoluene	9.96	165	171641	50.04	ppb	100
64) 2,3,4,6-Tetrachlorophenol	10.15	232	135596	50.00	ppb	100
65) Diethylphthalate	10.38	149	570101	50.00	ppb	100
66) Fluorene	10.43	166	531666	50.00	ppb	100
67) 4-Chlorophenyl-phenylether	10.45	204	225484	50.05	ppb	100
68) 4-Nitroaniline	10.54	138	151390	50.45	ppb	100
70) 4,6-Dinitro-2-methylphenol	10.60	198	103954	50.25	ppb	100
71) n-Nitrosodiphenylamine	10.65	169	385178	50.24	ppb	100
72) 1,2-Diphenylhydrazine	10.70	77	497219	50.25	ppb	100
74) 4-Bromophenyl-phenylether	11.22	248	157790	50.25	ppb	100
75) Hexachlorobenzene	11.43	284	155740	50.25	ppb	100
76) Pentachlorophenol	11.70	266	212458	101.58	ppb	100
77) Phenanthrene	11.90	178	704601	50.29	ppb	100
78) Anthracene	11.96	178	711359	50.25	ppb	100
79) Carbazole	12.20	167	742480	50.25	ppb	100
80) Di-n-butylphthalate	12.76	149	995215	50.34	ppb	100
81) Fluoranthene	13.44	202	905538	50.29	ppb	100

8.6.26

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52533.D
 Acq On : 30 Sep 2010 8:26 am
 Operator : ninap
 Sample : icc2264-50
 Misc : op45836,ep2264
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 08:56:11 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:54:24 2010
 Response via : Initial Calibration

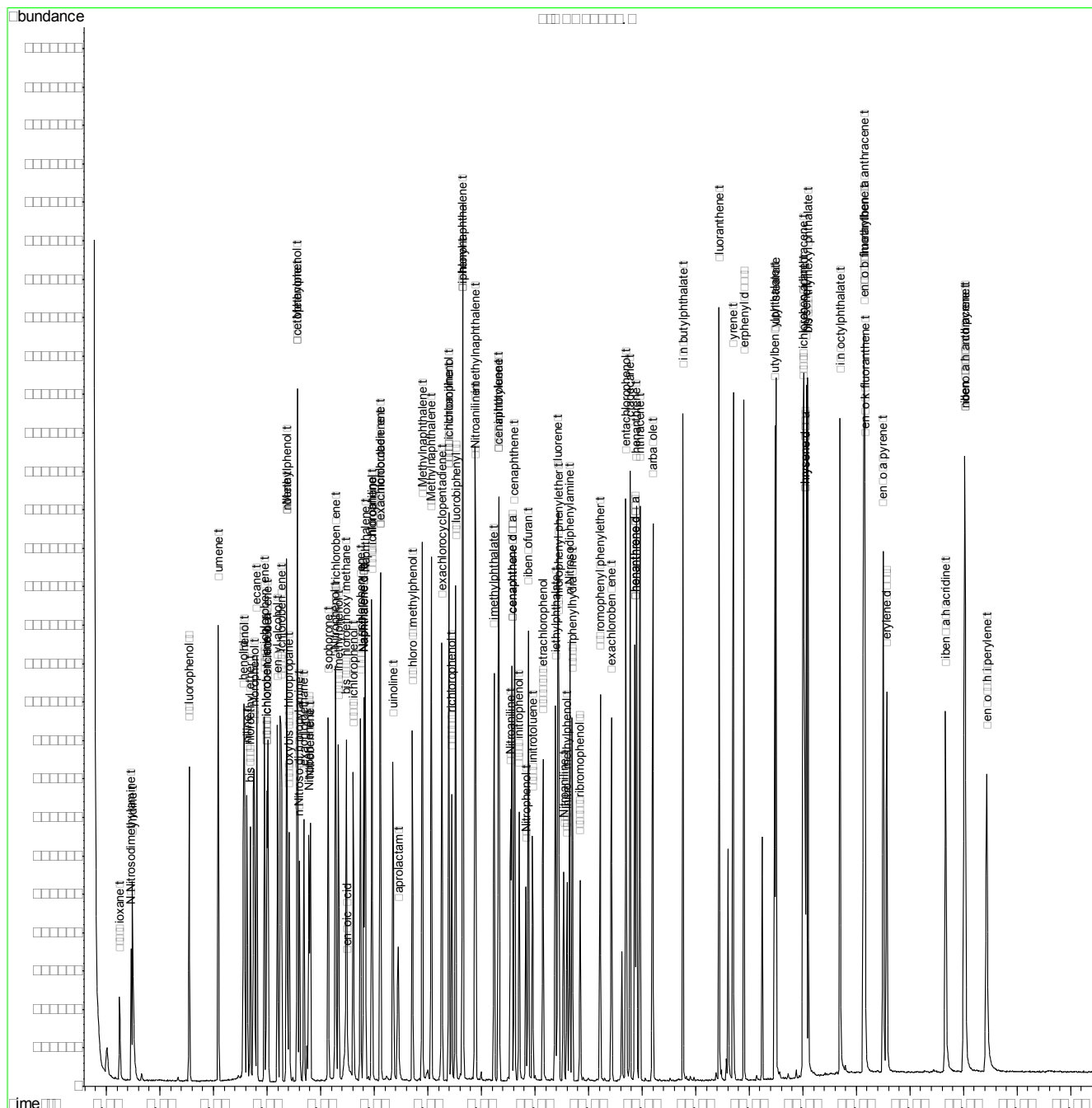
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	11.78	57	362163	50.25	ppb	100
84) Pyrene	13.70	202	865171	49.79	ppb	100
85) Butyl stearate	14.50	56	265332	49.79	ppb	100
87) Butylbenzylphthalate	14.48	149	440442	49.79	ppb	100
88) Benzo[a]anthracene	15.02	228	724220	49.79	ppb	100
89) 3,3'-Dichlorobenzidine	15.00	252	314656	50.08	ppb	100
90) Chrysene	15.06	228	662250	50.22	ppb	100
91) bis(2-Ethylhexyl)phthalate	15.10	149	483100	50.03	ppb	100
93) Di-n-octylphthalate	15.69	149	993784	49.51	ppb	100
94) Benzo[b]fluoranthene	16.14	252	765425	49.48	ppb	98
95) Benzo[k]fluoranthene	16.16	252	675021	50.98	ppb	100
96) Benzo[a]pyrene	16.50	252	731377	49.83	ppb	100
97) Indeno[1,2,3-cd]pyrene	18.02	276	810869	49.72	ppb	100
98) Dibenz(a,h)acridine	17.67	279	659337	50.00	ppb	100
99) Dibenz[a,h]anthracene	18.03	278	654497	49.90	ppb	100
100) 7,12-Dimethylbenz(a)anthra	16.15	256	306317	49.66	ppb	100
101) Benzo[g,h,i]perylene	18.43	276	725811	49.91	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52533.D
Acq On : 30 Sep 2010 8:26 am
Operator : ninap
Sample : icc2264-50
Misc : op45836,ep2264
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 30 08:56:11 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:54:24 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52534.D
 Acq On : 30 Sep 2010 8:58 am
 Operator : ninap
 Sample : ic2264-1
 Misc : op45836,ep2264
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 09:19:46 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	222690	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	781970	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	421330	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	702801	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	720179	40.00	ppb	0.00
92) Perylene-d12	16.57	264	617031	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	222690	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	781970	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	702801	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	421330	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	720179	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	781970	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	9048	1.04	ppb	0.00
Spiked Amount	50.000		Recovery	=	2.08%	
8) Phenol-d5	4.56	99	10415	0.93	ppb	0.00
Spiked Amount	50.000		Recovery	=	1.86%	
25) Nitrobenzene-d5	5.78	82	8140	1.05	ppb	0.00
Spiked Amount	50.000		Recovery	=	2.10%	
51) 2-Fluorobiphenyl	8.51	172	15719	1.15	ppb	0.00
Spiked Amount	50.000		Recovery	=	2.30%	
73) 2,4,6-Tribromophenol	10.84	330	1366	0.80	ppb	0.00
Spiked Amount	50.000		Recovery	=	1.60%	
86) Terphenyl-d14	13.90	244	16970	1.11	ppb	0.00
Spiked Amount	50.000		Recovery	=	2.22%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	4306	1.37	ppb	94
3) Pyridine	2.52	79	12723	1.51	ppb	96
4) N-Nitrosodimethylamine	2.47	74	6520	1.24	ppb	89
6) Indene	5.37	116	11167	1.15	ppb	93
7) Cumene	4.09	105	18344	1.08	ppb	97
9) Phenol	4.57	94	10715	1.03	ppb	94
10) Aniline	4.63	93	14029	1.32	ppb	90
11) bis(2-Chloroethyl)ether	4.68	93	9139	1.23	ppb	98
12) 2-Chlorophenol	4.76	128	8569	1.14	ppb	88
13) Decane	4.81	43	8986	1.19	ppb	98
14) 1,3-Dichlorobenzene	4.95	146	10087	1.17	ppb	94
15) 1,4-Dichlorobenzene	5.02	146	9063	1.14	ppb	93
16) Benzyl alcohol	5.19	108	4525	0.84	ppb	87
17) 1,2-Dichlorobenzene	5.27	146	8994	1.19	ppb	99
18) Acetophenone	5.56	105	10239	1.07	ppb	94
19) 2-Methylphenol	5.36	108	6316	0.96	ppb	89
20) 2,2'-oxybis(1-Chloropropan	5.41	121	2784	1.18	ppb	# 78
21) 3&4-Methylphenol	5.56	108	6225	0.86	ppb	89
22) n-Nitroso-di-n-propylamine	5.60	70	5108	1.02	ppb	93
23) Hexachloroethane	5.69	201	3035	1.15	ppb	93
26) Nitrobenzene	5.80	123	4145	1.19	ppb	96
27) Quinoline	7.35	129	11692	0.90	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52534.D
 Acq On : 30 Sep 2010 8:58 am
 Operator : ninap
 Sample : ic2264-1
 Misc : op45836,ep2264
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 09:19:46 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.14	82	12575	0.89	ppb	99
29) 2-Nitrophenol	6.27	139	3756	0.89	ppb	87
30) 2,4-Dimethylphenol	6.32	107	5270	0.85	ppb	98
32) bis(2-Chloroethoxy)methane	6.47	93	8096	0.99	ppb	98
33) 2,4-Dichlorophenol	6.61	162	4098	0.69	ppb	94
34) 2,6-Dichlorophenol	6.96	162	5070	0.94	ppb	93
35) 1,3,5-Trichlorobenzene	6.28	180	7710	1.23	ppb	95
36) 1,2,4-Trichlorobenzene	6.74	180	7535	1.16	ppb	98
37) 1,2,3-Trichlorobenzene	7.11	180	6745	1.15	ppb	98
38) Naphthalene	6.83	128	21121	1.10	ppb	98
39) 4-Chloroaniline	6.94	127	8227	0.96	ppb	88
40) 2,3-Dichloroaniline	8.40	161	6437	1.00	ppb	86
42) Hexachlorobutadiene	7.12	225	3464	1.15	ppb	93
43) 4-Chloro-3-methylphenol	7.71	107	4750	0.73	ppb	89
44) 2-Methylnaphthalene	7.90	142	16040	1.04	ppb	89
45) 1-Methylnaphthalene	8.06	142	14043	1.03	ppb	92
46) Dimethylnaphthalene	8.88	156	12580	1.09	ppb	97
48) Hexachlorocyclopentadiene	8.26	237	4666	1.56	ppb	94
49) 2,4,6-Trichlorophenol	8.39	196	2720	0.72	ppb	80
50) 2,4,5-Trichlorophenol	8.44	196	3145	0.82	ppb	81
52) 2-Chloronaphthalene	8.65	162	13747	1.26	ppb	94
53) Biphenyl	8.65	154	17214	1.19	ppb	92
54) 2-Nitroaniline	8.87	65	3040	0.80	ppb	81
55) Dimethylphthalate	9.23	163	15711	1.07	ppb	97
56) Acenaphthylene	9.32	152	21966	1.13	ppb	97
57) 2,6-Dinitrotoluene	9.33	89	1570	1.06	ppb	# 63
58) 3-Nitroaniline	9.54	138	2803	0.69	ppb	81
59) Acenaphthene	9.62	153	12789	1.09	ppb	99
62) Dibenzofuran	9.87	168	20283	1.22	ppb	89
63) 2,4-Dinitrotoluene	9.95	165	3640	0.84	ppb	97
64) 2,3,4,6-Tetrachlorophenol	10.15	232	2517	0.73	ppb	91
65) Diethylphthalate	10.37	149	16704	1.15	ppb	96
66) Fluorene	10.42	166	16534	1.22	ppb	96
67) 4-Chlorophenyl-phenylether	10.44	204	7865	1.37	ppb	99
68) 4-Nitroaniline	10.52	138	3931	1.02	ppb	84
70) 4,6-Dinitro-2-methylphenol	10.59	198	1057	0.40	ppb	65
71) n-Nitrosodiphenylamine	10.64	169	11612	1.19	ppb	95
72) 1,2-Diphenylhydrazine	10.69	77	14281	1.13	ppb	95
74) 4-Bromophenyl-phenylether	11.21	248	4377	1.10	ppb	97
75) Hexachlorobenzene	11.42	284	4810	1.22	ppb	86
76) Pentachlorophenol	11.70	266	3615	1.34	ppb	90
77) Phenanthrene	11.89	178	22618	1.27	ppb	95
78) Anthracene	11.96	178	23039	1.28	ppb	97
79) Carbazole	12.20	167	21520	1.15	ppb	98
80) Di-n-butylphthalate	12.76	149	23765	0.94	ppb	97
81) Fluoranthene	13.44	202	24694	1.08	ppb	98
82) Octadecane	11.77	57	9307	1.02	ppb	94
84) Pyrene	13.70	202	27721	1.14	ppb	96
85) Butyl stearate	14.50	56	10051	1.35	ppb	91
87) Butylbenzylphthalate	14.47	149	9468	0.77	ppb	98

8.6.27

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52534.D
Acq On : 30 Sep 2010 8:58 am
Operator : ninap
Sample : ic2264-1
Misc : op45836,ep2264
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 09:19:46 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration

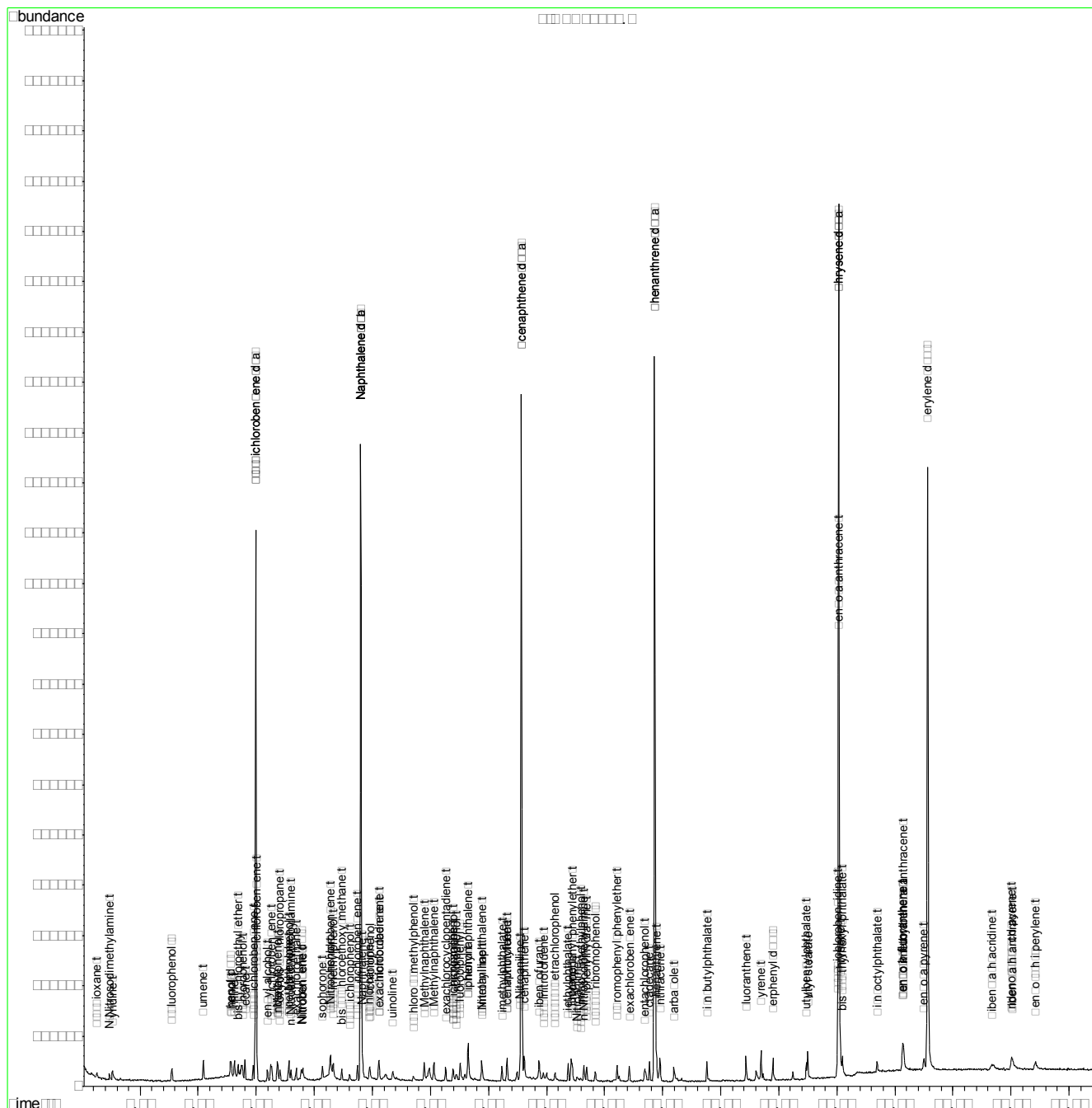
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	15.02	228	23414	1.15	ppb	98
89) 3,3'-Dichlorobenzidine	15.01	252	7629	0.87	ppb	91
90) Chrysene	15.06	228	21200	1.14	ppb	95
91) bis(2-Ethylhexyl)phthalate	15.10	149	10540	0.78	ppb	96
93) Di-n-octylphthalate	15.69	149	17796	0.71	ppb	97
94) Benzo[b]fluoranthene	16.13	252	15237	0.79	ppb	86
95) Benzo[k]fluoranthene	16.15	252	25194	1.48	ppb	91
96) Benzo[a]pyrene	16.50	252	14942	0.81	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.01	276	18482	0.91	ppb	91
98) Dibenz(a,h)acridine	17.67	279	12310	0.74	ppb	98
99) Dibenz[a,h]anthracene	18.02	278	14655	0.89	ppb	95
100) 7,12-Dimethylbenz(a)anthra	16.14	256	8075	1.05	ppb	92
101) Benzo[g,h,i]perylene	18.42	276	17044	0.93	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52534.D
Acq On : 30 Sep 2010 8:58 am
Operator : ninap
Sample : ic2264-1
Misc : op45836,ep2264
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 09:19:46 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration



MP2264.M Thu Sep 30 12:38:46 2010 MSP

Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52535.D
 Acq On : 30 Sep 2010 9:27 am
 Operator : ninap
 Sample : ic2264-2
 Misc : op45836,ep2264
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 11:57:59 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	243219	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	854076	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	470204	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	778419	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	787933	40.00	ppb	0.00
92) Perylene-d12	16.57	264	682798	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	243219	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	854076	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	778419	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	470204	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	787933	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	854076	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	18942	1.99	ppb	0.00
Spiked Amount	50.000		Recovery	=	3.98%	
8) Phenol-d5	4.55	99	22409	1.84	ppb	0.00
Spiked Amount	50.000		Recovery	=	3.68%	
25) Nitrobenzene-d5	5.77	82	17076	2.02	ppb	0.00
Spiked Amount	50.000		Recovery	=	4.04%	
51) 2-Fluorobiphenyl	8.52	172	34002	2.23	ppb	0.00
Spiked Amount	50.000		Recovery	=	4.46%	
73) 2,4,6-Tribromophenol	10.84	330	3382	1.80	ppb	0.00
Spiked Amount	50.000		Recovery	=	3.60%	
86) Terphenyl-d14	13.90	244	34705	2.08	ppb	0.00
Spiked Amount	50.000		Recovery	=	4.16%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	8797	2.56	ppb	98
3) Pyridine	2.52	79	23262	2.52	ppb	92
4) N-Nitrosodimethylamine	2.47	74	13451	2.33	ppb	88
6) Indene	5.37	116	24199	2.27	ppb	91
7) Cumene	4.09	105	39447	2.12	ppb	96
9) Phenol	4.57	94	23896	2.10	ppb	98
10) Aniline	4.62	93	29006	2.51	ppb	95
11) bis(2-Chloroethyl)ether	4.68	93	18448	2.28	ppb	96
12) 2-Chlorophenol	4.76	128	18564	2.25	ppb	98
13) Decane	4.81	43	18628	2.27	ppb	92
14) 1,3-Dichlorobenzene	4.95	146	21576	2.29	ppb	95
15) 1,4-Dichlorobenzene	5.02	146	18886	2.17	ppb	93
16) Benzyl alcohol	5.19	108	10424	1.78	ppb	83
17) 1,2-Dichlorobenzene	5.27	146	19389	2.35	ppb	95
18) Acetophenone	5.56	105	22472	2.15	ppb	98
19) 2-Methylphenol	5.36	108	14057	1.96	ppb	95
20) 2,2'-oxybis(1-Chloropropan	5.41	121	5543	2.16	ppb	# 87
21) 3&4-Methylphenol	5.56	108	13879	1.75	ppb	97
22) n-Nitroso-di-n-propylamine	5.60	70	10477	1.92	ppb	96
23) Hexachloroethane	5.69	201	5746	2.00	ppb	98
26) Nitrobenzene	5.80	123	8678	2.28	ppb	96
27) Quinoline	7.35	129	23266	1.64	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52535.D
 Acq On : 30 Sep 2010 9:27 am
 Operator : ninap
 Sample : ic2264-2
 Misc : op45836,ep2264
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 11:57:59 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.14	82	28840	1.87	ppb	99
29) 2-Nitrophenol	6.27	139	8257	1.79	ppb	94
30) 2,4-Dimethylphenol	6.32	107	13334	1.96	ppb	98
32) bis(2-Chloroethoxy)methane	6.47	93	18771	2.11	ppb	97
33) 2,4-Dichlorophenol	6.61	162	11179	1.72	ppb	96
34) 2,6-Dichlorophenol	6.96	162	11211	1.89	ppb	94
35) 1,3,5-Trichlorobenzene	6.28	180	16540	2.42	ppb	95
36) 1,2,4-Trichlorobenzene	6.74	180	15694	2.22	ppb	99
37) 1,2,3-Trichlorobenzene	7.11	180	13781	2.15	ppb	97
38) Naphthalene	6.83	128	45211	2.15	ppb	95
39) 4-Chloroaniline	6.95	127	19568	2.09	ppb	95
40) 2,3-Dichloroaniline	8.39	161	14413	2.05	ppb	98
41) Caprolactam	7.41	55	3684	0.98	ppb	82
42) Hexachlorobutadiene	7.12	225	7509	2.27	ppb	96
43) 4-Chloro-3-methylphenol	7.70	107	10641	1.50	ppb	# 28
44) 2-Methylnaphthalene	7.90	142	35936	2.14	ppb	98
45) 1-Methylnaphthalene	8.06	142	32271	2.16	ppb	98
46) Dimethylnaphthalene	8.88	156	27687	2.19	ppb	96
48) Hexachlorocyclopentadiene	8.26	237	10801	3.23	ppb	92
49) 2,4,6-Trichlorophenol	8.39	196	6080	1.45	ppb	94
50) 2,4,5-Trichlorophenol	8.44	196	7037	1.64	ppb	98
52) 2-Chloronaphthalene	8.65	162	31212	2.55	ppb	95
53) Biphenyl	8.65	154	37012	2.30	ppb	98
54) 2-Nitroaniline	8.87	65	7341	1.72	ppb	97
55) Dimethylphthalate	9.23	163	33849	2.06	ppb	99
56) Acenaphthylene	9.32	152	46464	2.14	ppb	99
57) 2,6-Dinitrotoluene	9.33	89	3493	2.11	ppb	85
58) 3-Nitroaniline	9.54	138	7582	1.68	ppb	98
59) Acenaphthene	9.62	153	27073	2.07	ppb	99
60) 2,4-Dinitrophenol	9.70	184	1703	0.90	ppb	85
61) 4-Nitrophenol	9.85	109	2614	1.33	ppb	# 84
62) Dibenzofuran	9.87	168	41817	2.25	ppb	85
63) 2,4-Dinitrotoluene	9.95	165	8033	1.65	ppb	100
64) 2,3,4,6-Tetrachlorophenol	10.14	232	6202	1.61	ppb	97
65) Diethylphthalate	10.37	149	32691	2.02	ppb	98
66) Fluorene	10.42	166	34574	2.29	ppb	98
67) 4-Chlorophenyl-phenylether	10.44	204	16471	2.58	ppb	93
68) 4-Nitroaniline	10.52	138	7839	1.83	ppb	94
70) 4,6-Dinitro-2-methylphenol	10.59	198	2505	0.86	ppb	74
71) n-Nitrosodiphenylamine	10.64	169	24844	2.30	ppb	93
72) 1,2-Diphenylhydrazine	10.69	77	31357	2.25	ppb	99
74) 4-Bromophenyl-phenylether	11.22	248	9443	2.13	ppb	93
75) Hexachlorobenzene	11.43	284	10158	2.33	ppb	95
76) Pentachlorophenol	11.69	266	8359	2.81	ppb	97
77) Phenanthrene	11.89	178	44545	2.26	ppb	97
78) Anthracene	11.96	178	45168	2.27	ppb	98
79) Carbazole	12.20	167	42604	2.05	ppb	98
80) Di-n-butylphthalate	12.76	149	53442	1.92	ppb	98
81) Fluoranthene	13.44	202	52559	2.07	ppb	99
82) Octadecane	11.77	57	21511	2.12	ppb	95

8.6.28

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52535.D
Acq On : 30 Sep 2010 9:27 am
Operator : ninap
Sample : ic2264-2
Misc : op45836,ep2264
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 11:57:59 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration

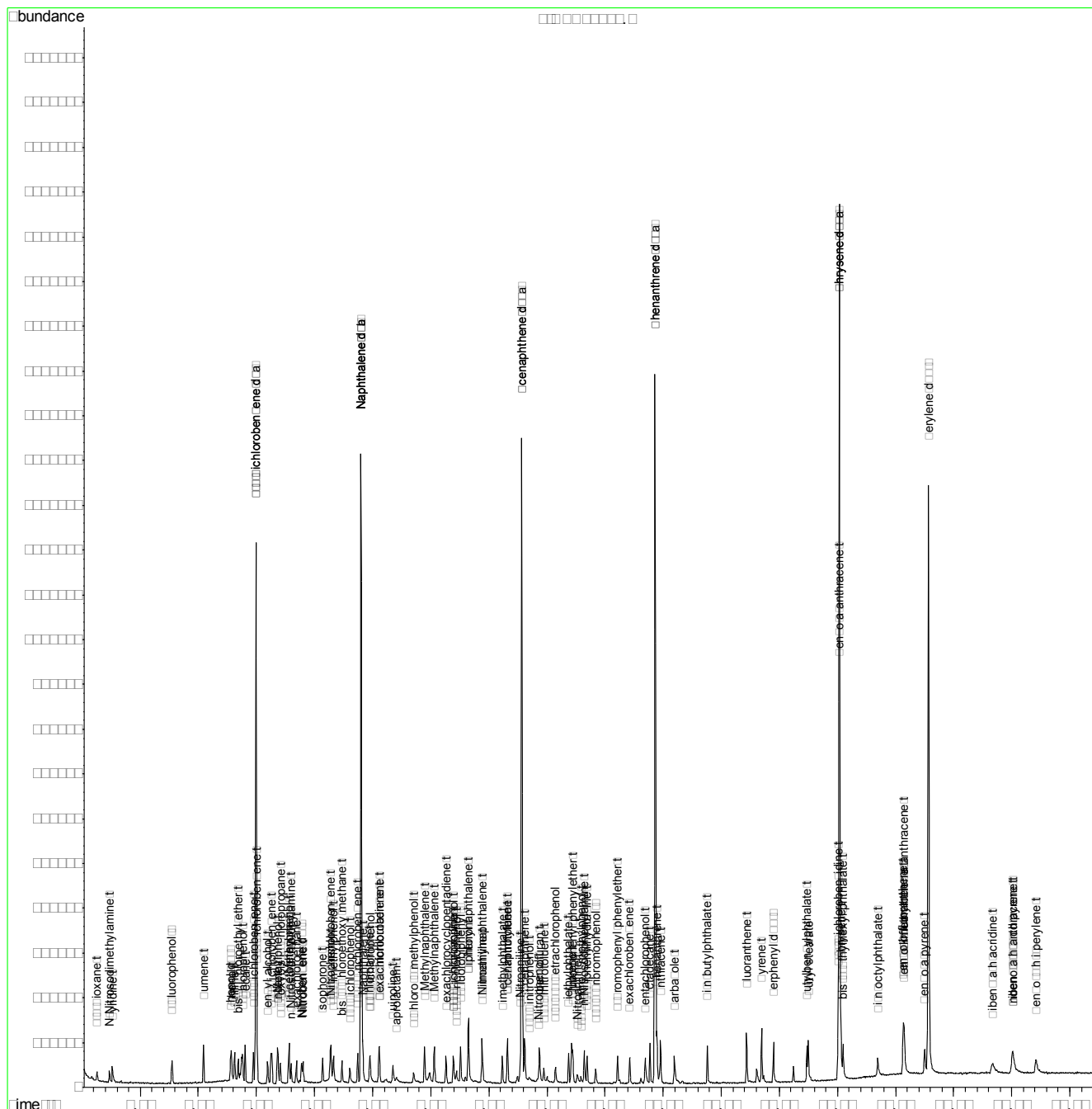
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	13.69	202	57116	2.15	ppb	98
85) Butyl stearate	14.50	56	15891	1.95	ppb	96
87) Butylbenzylphthalate	14.47	149	21335	1.58	ppb	93
88) Benzo[a]anthracene	15.02	228	47526	2.14	ppb	98
89) 3,3'-Dichlorobenzidine	15.01	252	14727	1.53	ppb	97
90) Chrysene	15.06	228	45311	2.23	ppb	97
91) bis(2-Ethylhexyl)phthalate	15.10	149	22719	1.53	ppb	96
93) Di-n-octylphthalate	15.69	149	34542	1.25	ppb	99
94) Benzo[b]fluoranthene	16.13	252	40492	1.90	ppb	96
95) Benzo[k]fluoranthene	16.15	252	47967	2.55	ppb	96
96) Benzo[a]pyrene	16.50	252	34299	1.69	ppb	95
97) Indeno[1,2,3-cd]pyrene	18.01	276	39251	1.74	ppb	94
98) Dibenz(a,h)acridine	17.66	279	25952	1.41	ppb	97
99) Dibenz[a,h]anthracene	18.02	278	32819	1.80	ppb	95
100) 7,12-Dimethylbenz(a)anthra	16.14	256	16664	1.95	ppb	93
101) Benzo[g,h,i]perylene	18.42	276	35621	1.76	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52535.D
Acq On : 30 Sep 2010 9:27 am
Operator : ninap
Sample : ic2264-2
Misc : op45836,ep2264
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 30 11:57:59 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration



MP2264.M Thu Sep 30 12:38:58 2010 MSP

Page: 4

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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52536.D
 Acq On : 30 Sep 2010 9:56 am
 Operator : ninap
 Sample : ic2264-5
 Misc : op45836,ep2264
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 11:59:23 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	235581	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	834924	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	480802	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	770192	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	781665	40.00	ppb	0.00
92) Perylene-d12	16.57	264	689367	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	235581	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	834924	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	770192	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	480802	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	781665	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	834924	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	48514	5.27	ppb	0.00
Spiked Amount	50.000		Recovery	=	10.54%	
8) Phenol-d5	4.56	99	59199	5.02	ppb	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
25) Nitrobenzene-d5	5.78	82	45087	5.45	ppb	0.00
Spiked Amount	50.000		Recovery	=	10.90%	
51) 2-Fluorobiphenyl	8.52	172	90008	5.78	ppb	0.00
Spiked Amount	50.000		Recovery	=	11.56%	
73) 2,4,6-Tribromophenol	10.84	330	9199	4.94	ppb	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
86) Terphenyl-d14	13.89	244	87985	5.30	ppb	0.00
Spiked Amount	50.000		Recovery	=	10.60%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	23316	6.99	ppb	90
3) Pyridine	2.51	79	56882	6.37	ppb	93
4) N-Nitrosodimethylamine	2.47	74	34930	6.26	ppb	98
6) Indene	5.37	116	58085	5.63	ppb	98
7) Cumene	4.09	105	99522	5.53	ppb	99
9) Phenol	4.57	94	59712	5.42	ppb	97
10) Aniline	4.63	93	69887	6.24	ppb	95
11) bis(2-Chloroethyl)ether	4.68	93	44620	5.69	ppb	99
12) 2-Chlorophenol	4.77	128	46009	5.76	ppb	99
13) Decane	4.81	43	45465	5.71	ppb	95
14) 1,3-Dichlorobenzene	4.95	146	51899	5.70	ppb	96
15) 1,4-Dichlorobenzene	5.02	146	45676	5.41	ppb	95
16) Benzyl alcohol	5.19	108	26511	4.66	ppb	98
17) 1,2-Dichlorobenzene	5.27	146	46358	5.80	ppb	96
18) Acetophenone	5.56	105	55479	5.48	ppb	94
19) 2-Methylphenol	5.36	108	35518	5.10	ppb	96
20) 2,2'-oxybis(1-Chloropropan	5.41	121	13378	5.38	ppb	# 88
21) 3&4-Methylphenol	5.56	108	37958	4.93	ppb	97
22) n-Nitroso-di-n-propylamine	5.60	70	27270	5.16	ppb	91
23) Hexachloroethane	5.69	201	15063	5.41	ppb	97
26) Nitrobenzene	5.80	123	20600	5.54	ppb	90
27) Quinoline	7.35	129	69772	5.02	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52536.D
 Acq On : 30 Sep 2010 9:56 am
 Operator : ninap
 Sample : ic2264-5
 Misc : op45836,ep2264
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 11:59:23 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.14	82	75028	4.98	ppb	99
29) 2-Nitrophenol	6.27	139	22544	5.01	ppb	98
30) 2,4-Dimethylphenol	6.32	107	33807	5.09	ppb	96
31) Benzoic Acid	6.42	105	8896	1.70	ppb	96
32) bis(2-Chloroethoxy)methane	6.47	93	48201	5.54	ppb	97
33) 2,4-Dichlorophenol	6.61	162	31620	4.98	ppb	97
34) 2,6-Dichlorophenol	6.96	162	31187	5.39	ppb	98
35) 1,3,5-Trichlorobenzene	6.28	180	40192	6.01	ppb	95
36) 1,2,4-Trichlorobenzene	6.74	180	39240	5.67	ppb	98
37) 1,2,3-Trichlorobenzene	7.10	180	34803	5.56	ppb	96
38) Naphthalene	6.83	128	109124	5.30	ppb	99
39) 4-Chloroaniline	6.94	127	49749	5.45	ppb	98
40) 2,3-Dichloroaniline	8.39	161	38177	5.55	ppb	97
41) Caprolactam	7.40	55	13244	3.61	ppb	92
42) Hexachlorobutadiene	7.12	225	18983	5.88	ppb	99
43) 4-Chloro-3-methylphenol	7.70	107	31542	4.54	ppb	92
44) 2-Methylnaphthalene	7.90	142	92085	5.61	ppb	99
45) 1-Methylnaphthalene	8.06	142	84657	5.79	ppb	98
46) Dimethylnaphthalene	8.88	156	71842	5.82	ppb	98
48) Hexachlorocyclopentadiene	8.26	237	30107	8.79	ppb	98
49) 2,4,6-Trichlorophenol	8.39	196	19351	4.50	ppb	100
50) 2,4,5-Trichlorophenol	8.44	196	21330	4.87	ppb	98
52) 2-Chloronaphthalene	8.65	162	75104	6.01	ppb	99
53) Biphenyl	8.64	154	97799	5.95	ppb	99
54) 2-Nitroaniline	8.87	65	20759	4.77	ppb	98
55) Dimethylphthalate	9.23	163	87184	5.18	ppb	100
56) Acenaphthylene	9.32	152	124881	5.63	ppb	98
57) 2,6-Dinitrotoluene	9.33	89	8871	5.25	ppb	90
58) 3-Nitroaniline	9.54	138	21077	4.56	ppb	98
59) Acenaphthene	9.62	153	68229	5.10	ppb	98
60) 2,4-Dinitrophenol	9.70	184	8161	4.21	ppb	91
61) 4-Nitrophenol	9.83	109	7956	3.96	ppb	93
62) Dibenzofuran	9.87	168	110366	5.80	ppb	90
63) 2,4-Dinitrotoluene	9.95	165	23130	4.65	ppb	98
64) 2,3,4,6-Tetrachlorophenol	10.15	232	18404	4.68	ppb	98
65) Diethylphthalate	10.37	149	86405	5.23	ppb	98
66) Fluorene	10.42	166	89536	5.81	ppb	99
67) 4-Chlorophenyl-phenylether	10.44	204	40631	6.22	ppb	98
68) 4-Nitroaniline	10.52	138	22559	5.14	ppb	98
70) 4,6-Dinitro-2-methylphenol	10.59	198	10382	3.60	ppb	79
71) n-Nitrosodiphenylamine	10.64	169	61603	5.77	ppb	99
72) 1,2-Diphenylhydrazine	10.69	77	81293	5.89	ppb	97
74) 4-Bromophenyl-phenylether	11.21	248	24676	5.64	ppb	97
75) Hexachlorobenzene	11.43	284	24334	5.63	ppb	98
76) Pentachlorophenol	11.69	266	28039	9.52	ppb	94
77) Phenanthrene	11.89	178	107632	5.51	ppb	98
78) Anthracene	11.96	178	114048	5.78	ppb	99
79) Carbazole	12.20	167	115280	5.60	ppb	99
80) Di-n-butylphthalate	12.76	149	142464	5.16	ppb	98
81) Fluoranthene	13.44	202	138319	5.51	ppb	99

86.29

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52536.D
Acq On : 30 Sep 2010 9:56 am
Operator : ninap
Sample : ic2264-5
Misc : op45836,ep2264
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 11:59:23 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration

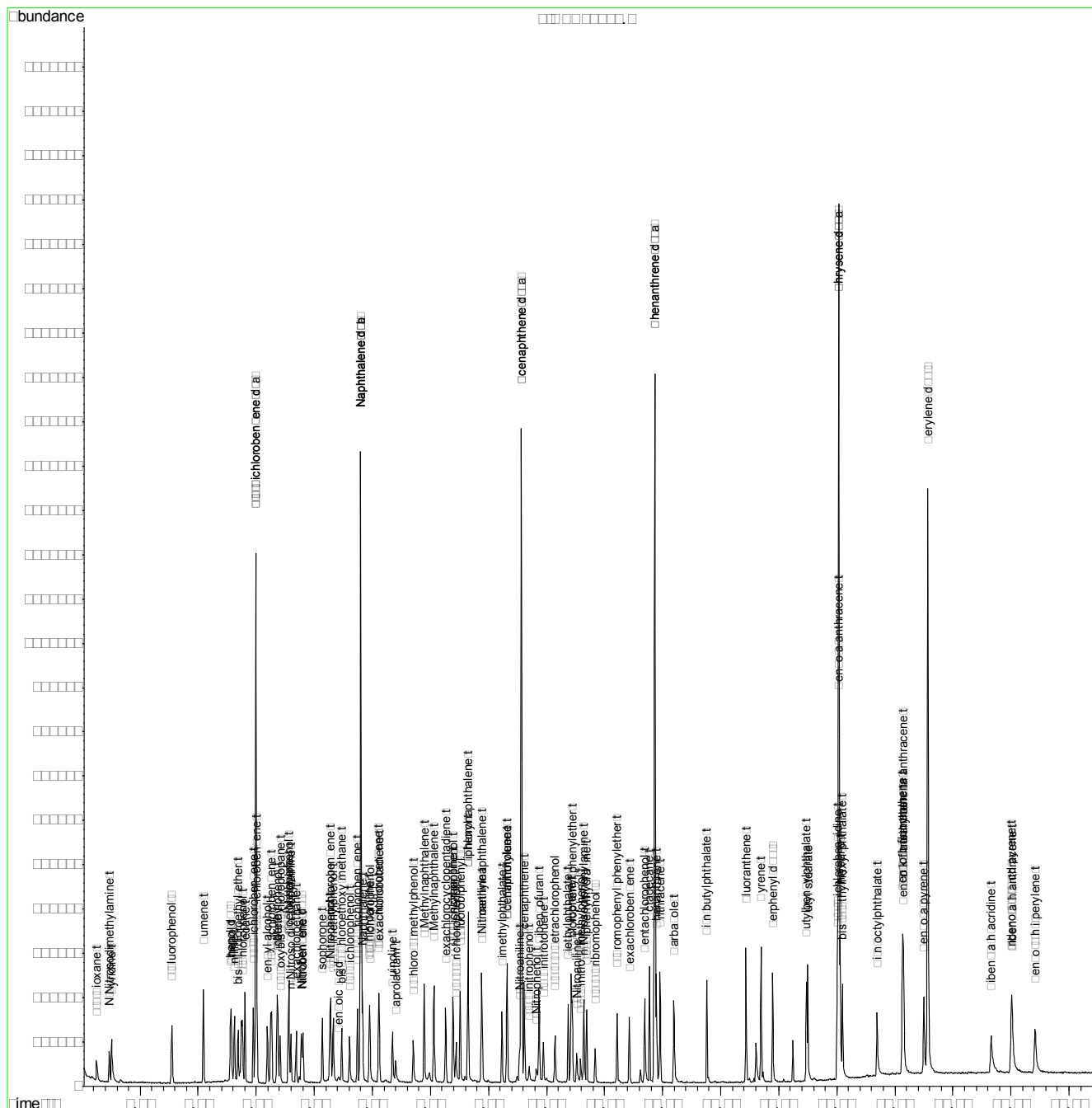
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	11.77	57	56792	5.65	ppb	97
84) Pyrene	13.69	202	144410	5.49	ppb	97
85) Butyl stearate	14.50	56	41240	5.11	ppb	94
87) Butylbenzylphthalate	14.47	149	59845	4.47	ppb	97
88) Benzo[a]anthracene	15.02	228	119721	5.44	ppb	98
89) 3,3'-Dichlorobenzidine	15.00	252	41320	4.32	ppb	94
90) Chrysene	15.06	228	108624	5.40	ppb	98
91) bis(2-Ethylhexyl)phthalate	15.10	149	66951	4.56	ppb	100
93) Di-n-octylphthalate	15.69	149	109736	3.93	ppb	99
94) Benzo[b]fluoranthene	16.13	252	115397	5.37	ppb	96
95) Benzo[k]fluoranthene	16.15	252	114153	6.02	ppb	96
96) Benzo[a]pyrene	16.50	252	110404	5.37	ppb	96
97) Indeno[1,2,3-cd]pyrene	18.01	276	112416	4.93	ppb	94
98) Dibenz(a,h)acridine	17.66	279	78854	4.26	ppb	99
99) Dibenz[a,h]anthracene	18.02	278	93540	5.09	ppb	99
100) 7,12-Dimethylbenz(a)anthra	16.14	256	47603	5.53	ppb	98
101) Benzo[g,h,i]perylene	18.42	276	97607	4.79	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52536.D
Acq On : 30 Sep 2010 9:56 am
Operator : ninap
Sample : ic2264-5
Misc : op45836,ep2264
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 30 11:59:23 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration



MP2264.M Thu Sep 30 12:39:10 2010 MSP

Page: 4

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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52537.D
 Acq On : 30 Sep 2010 10:25 am
 Operator : ninap
 Sample : ic2264-10
 Misc : op45836,ep2264
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 30 12:00:19 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	220364	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	792628	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	456574	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	730158	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	736365	40.00	ppb	0.00
92) Perylene-d12	16.57	264	660744	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	220364	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	792628	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	730158	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	456574	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	736365	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	792628	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	96594	11.23	ppb	0.00
Spiked Amount	50.000		Recovery	=	22.46%	
8) Phenol-d5	4.56	99	117930	10.69	ppb	0.00
Spiked Amount	50.000		Recovery	=	21.38%	
25) Nitrobenzene-d5	5.78	82	85382	10.88	ppb	0.00
Spiked Amount	50.000		Recovery	=	21.76%	
51) 2-Fluorobiphenyl	8.52	172	174864	11.83	ppb	0.00
Spiked Amount	50.000		Recovery	=	23.66%	
73) 2,4,6-Tribromophenol	10.84	330	19630	11.13	ppb	0.00
Spiked Amount	50.000		Recovery	=	22.26%	
86) Terphenyl-d14	13.89	244	170205	10.89	ppb	0.00
Spiked Amount	50.000		Recovery	=	21.78%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	45057	14.45	ppb	99
3) Pyridine	2.50	79	107033	12.82	ppb	99
4) N-Nitrosodimethylamine	2.47	74	68896	13.19	ppb	99
6) Indene	5.37	116	108769	11.27	ppb	98
7) Cumene	4.09	105	188657	11.21	ppb	99
9) Phenol	4.57	94	117085	11.37	ppb	97
10) Aniline	4.63	93	126597	12.08	ppb	89
11) bis(2-Chloroethyl)ether	4.68	93	83594	11.39	ppb	99
12) 2-Chlorophenol	4.76	128	86905	11.64	ppb	99
13) Decane	4.81	43	83390	11.20	ppb	96
14) 1,3-Dichlorobenzene	4.95	146	95902	11.25	ppb	99
15) 1,4-Dichlorobenzene	5.02	146	84851	10.75	ppb	98
16) Benzyl alcohol	5.19	108	53604	10.08	ppb	98
17) 1,2-Dichlorobenzene	5.27	146	85070	11.37	ppb	99
18) Acetophenone	5.57	105	105463	11.13	ppb	96
19) 2-Methylphenol	5.36	108	70471	10.82	ppb	99
20) 2,2'-oxybis(1-Chloropropan	5.41	121	25799	11.08	ppb	# 79
21) 3&4-Methylphenol	5.56	108	77418	10.75	ppb	96
22) n-Nitroso-di-n-propylamine	5.60	70	53486	10.81	ppb	92
23) Hexachloroethane	5.69	201	28375	10.90	ppb	94
26) Nitrobenzene	5.81	123	40602	11.51	ppb	98
27) Quinoline	7.35	129	142631	10.80	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52537.D
 Acq On : 30 Sep 2010 10:25 am
 Operator : ninap
 Sample : ic2264-10
 Misc : op45836,ep2264
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 30 12:00:19 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.14	82	149881	10.48	ppb	98
29) 2-Nitrophenol	6.27	139	45601	10.67	ppb	96
30) 2,4-Dimethylphenol	6.32	107	68561	10.86	ppb	97
31) Benzoic Acid	6.43	105	32485	6.53	ppb	96
32) bis(2-Chloroethoxy)methane	6.47	93	92104	11.15	ppb	98
33) 2,4-Dichlorophenol	6.61	162	66228	10.99	ppb	98
34) 2,6-Dichlorophenol	6.96	162	60896	11.09	ppb	100
35) 1,3,5-Trichlorobenzene	6.28	180	75161	11.84	ppb	96
36) 1,2,4-Trichlorobenzene	6.74	180	74815	11.38	ppb	98
37) 1,2,3-Trichlorobenzene	7.11	180	66097	11.12	ppb	96
38) Naphthalene	6.83	128	213808	10.94	ppb	98
39) 4-Chloroaniline	6.95	127	95936	11.07	ppb	99
40) 2,3-Dichloroaniline	8.39	161	75697	11.59	ppb	98
41) Caprolactam	7.41	55	31084	8.94	ppb	96
42) Hexachlorobutadiene	7.12	225	35635	11.63	ppb	95
43) 4-Chloro-3-methylphenol	7.71	107	66960	10.15	ppb	94
44) 2-Methylnaphthalene	7.90	142	175181	11.25	ppb	99
45) 1-Methylnaphthalene	8.06	142	157199	11.33	ppb	98
46) Dimethylnaphthalene	8.89	156	135395	11.56	ppb	99
48) Hexachlorocyclopentadiene	8.26	237	63367	19.49	ppb	99
49) 2,4,6-Trichlorophenol	8.39	196	43442	10.64	ppb	99
50) 2,4,5-Trichlorophenol	8.44	196	46535	11.18	ppb	99
52) 2-Chloronaphthalene	8.65	162	141801	11.95	ppb	99
53) Biphenyl	8.65	154	183884	11.77	ppb	100
54) 2-Nitroaniline	8.87	65	44547	10.77	ppb	96
55) Dimethylphthalate	9.24	163	171788	10.75	ppb	99
56) Acenaphthylene	9.32	152	242395	11.50	ppb	98
57) 2,6-Dinitrotoluene	9.33	89	18240	11.37	ppb	96
58) 3-Nitroaniline	9.54	138	43713	9.95	ppb	99
59) Acenaphthene	9.62	153	133261	10.50	ppb	95
60) 2,4-Dinitrophenol	9.70	184	24660	13.38	ppb	96
61) 4-Nitrophenol	9.82	109	17790	9.33	ppb	94
62) Dibenzofuran	9.87	168	209652	11.60	ppb	90
63) 2,4-Dinitrotoluene	9.95	165	48622	10.30	ppb	97
64) 2,3,4,6-Tetrachlorophenol	10.15	232	38740	10.38	ppb	96
65) Diethylphthalate	10.37	149	169439	10.80	ppb	99
66) Fluorene	10.42	166	169318	11.57	ppb	100
67) 4-Chlorophenyl-phenylether	10.44	204	77365	12.47	ppb	99
68) 4-Nitroaniline	10.52	138	43798	10.51	ppb	99
70) 4,6-Dinitro-2-methylphenol	10.59	198	24640	9.01	ppb	83
71) n-Nitrosodiphenylamine	10.64	169	122709	12.12	ppb	98
72) 1,2-Diphenylhydrazine	10.69	77	152906	11.70	ppb	98
74) 4-Bromophenyl-phenylether	11.21	248	46411	11.19	ppb	95
75) Hexachlorobenzene	11.43	284	49888	12.18	ppb	99
76) Pentachlorophenol	11.69	266	59217	21.20	ppb	96
77) Phenanthrene	11.89	178	206094	11.12	ppb	99
78) Anthracene	11.96	178	220158	11.77	ppb	99
79) Carbazole	12.20	167	220479	11.29	ppb	98
80) Di-n-butylphthalate	12.76	149	290947	11.12	ppb	98
81) Fluoranthene	13.44	202	273257	11.48	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52537.D
Acq On : 30 Sep 2010 10:25 am
Operator : ninap
Sample : ic2264-10
Misc : op45836,ep2264
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 30 12:00:19 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration

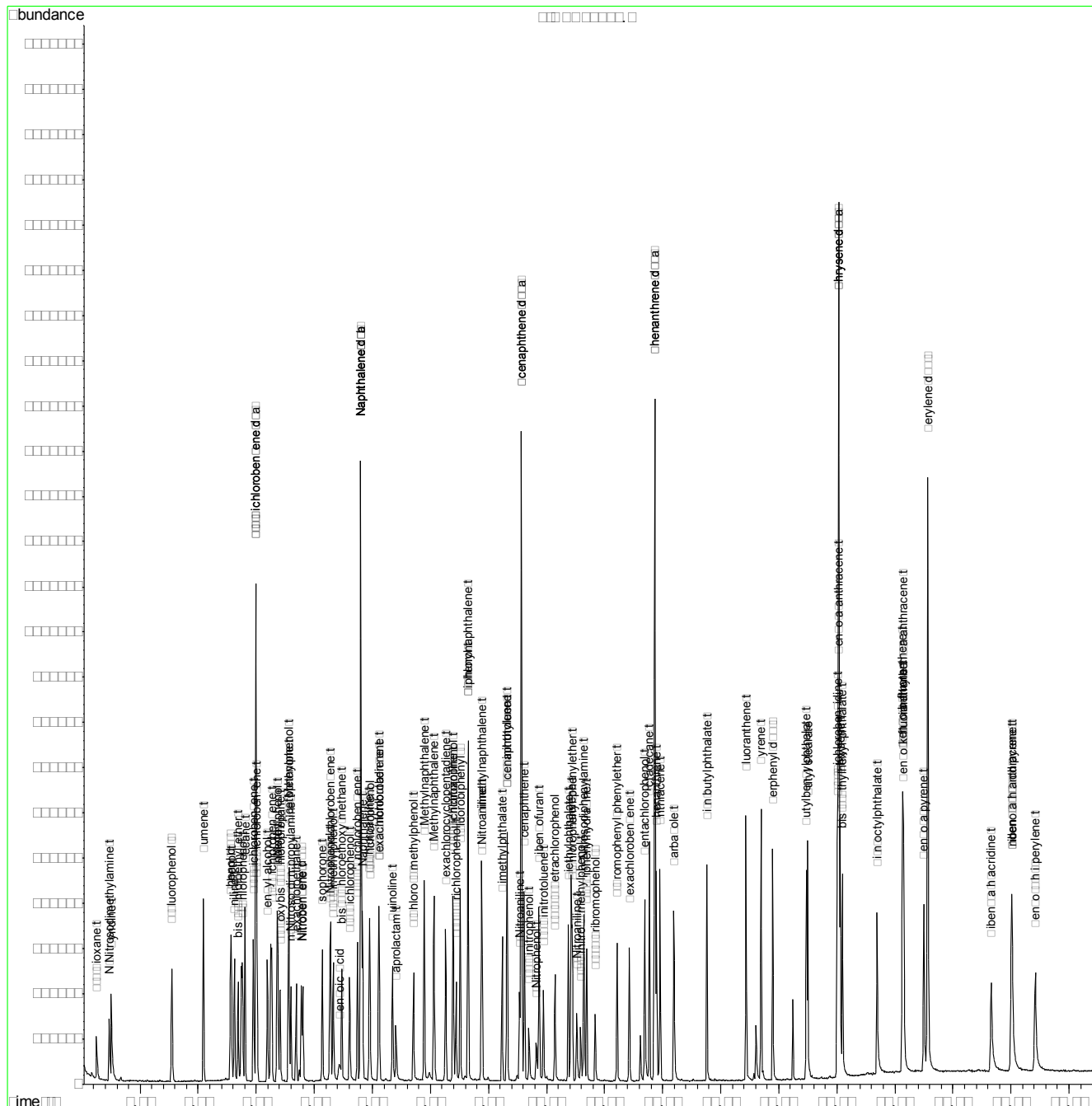
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	11.77	57	111765	11.74	ppb	98
84) Pyrene	13.70	202	276777	11.17	ppb	98
85) Butyl stearate	14.50	56	80863	10.64	ppb	93
87) Butylbenzylphthalate	14.47	149	122507	9.71	ppb	95
88) Benzo[a]anthracene	15.02	228	232858	11.23	ppb	98
89) 3,3'-Dichlorobenzidine	15.00	252	89207	9.90	ppb	96
90) Chrysene	15.06	228	208168	10.98	ppb	100
91) bis(2-Ethylhexyl)phthalate	15.10	149	137372	9.93	ppb	98
93) Di-n-octylphthalate	15.69	149	247785	9.26	ppb	99
94) Benzo[b]fluoranthene	16.13	252	232732	11.29	ppb	98
95) Benzo[k]fluoranthene	16.15	252	217230	11.95	ppb	98
96) Benzo[a]pyrene	16.50	252	219454	11.14	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.01	276	234361	10.73	ppb	95
98) Dibenz(a,h)acridine	17.66	279	173442	9.77	ppb	100
99) Dibenz[a,h]anthracene	18.02	278	194019	11.01	ppb	97
100) 7,12-Dimethylbenz(a)anthra	16.14	256	91984	11.15	ppb	97
101) Benzo[g,h,i]perylene	18.42	276	202975	10.38	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52537.D
Acq On : 30 Sep 2010 10:25 am
Operator : ninap
Sample : ic2264-10
Misc : op45836,ep2264
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 30 12:00:19 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52538.D
 Acq On : 30 Sep 2010 10:54 am
 Operator : ninap
 Sample : ic2264-25
 Misc : op45836,ep2264
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 30 12:00:59 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	181846	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	670244	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	388561	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	631583	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	621007	40.00	ppb	0.00
92) Perylene-d12	16.57	264	563459	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	181846	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	670244	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	631583	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	388561	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	621007	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	670244	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	188401	26.53	ppb	0.00
Spiked Amount	50.000		Recovery	=	53.06%	
8) Phenol-d5	4.56	99	228896	25.14	ppb	0.00
Spiked Amount	50.000		Recovery	=	50.28%	
25) Nitrobenzene-d5	5.78	82	167727	25.28	ppb	0.00
Spiked Amount	50.000		Recovery	=	50.56%	
51) 2-Fluorobiphenyl	8.52	172	326435	25.96	ppb	0.00
Spiked Amount	50.000		Recovery	=	51.92%	
73) 2,4,6-Tribromophenol	10.84	330	38451	25.19	ppb	0.00
Spiked Amount	50.000		Recovery	=	50.38%	
86) Terphenyl-d14	13.89	244	325105	24.67	ppb	0.00
Spiked Amount	50.000		Recovery	=	49.34%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	88082	34.23	ppb	96
3) Pyridine	2.49	79	209386	30.39	ppb	97
4) N-Nitrosodimethylamine	2.47	74	132430	30.73	ppb	95
6) Indene	5.37	116	201294	25.28	ppb	99
7) Cumene	4.09	105	363974	26.20	ppb	98
9) Phenol	4.57	94	219746	25.86	ppb	99
10) Aniline	4.63	93	234540	27.12	ppb	93
11) bis(2-Chloroethyl)ether	4.69	93	155871	25.74	ppb	96
12) 2-Chlorophenol	4.76	128	157531	25.57	ppb	98
13) Decane	4.81	43	153517	24.98	ppb	97
14) 1,3-Dichlorobenzene	4.95	146	177515	25.24	ppb	99
15) 1,4-Dichlorobenzene	5.02	146	164302	25.23	ppb	98
16) Benzyl alcohol	5.19	108	104525	23.82	ppb	100
17) 1,2-Dichlorobenzene	5.27	146	157302	25.49	ppb	98
18) Acetophenone	5.57	105	194697	24.90	ppb	97
19) 2-Methylphenol	5.36	108	132829	24.71	ppb	98
20) 2,2'-oxybis(1-Chloropropan	5.41	121	47849	24.91	ppb	# 84
21) 3&4-Methylphenol	5.56	108	144414	24.29	ppb	99
22) n-Nitroso-di-n-propylamine	5.60	70	100622	24.65	ppb	95
23) Hexachloroethane	5.69	201	53793	25.04	ppb	96
26) Nitrobenzene	5.81	123	76454	25.62	ppb	99
27) Quinoline	7.35	129	279559	25.04	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52538.D
 Acq On : 30 Sep 2010 10:54 am
 Operator : ninap
 Sample : ic2264-25
 Misc : op45836,ep2264
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 30 12:00:59 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.14	82	300129	24.82	ppb	99
29) 2-Nitrophenol	6.27	139	90076	24.93	ppb	98
30) 2,4-Dimethylphenol	6.32	107	133464	25.01	ppb	98
31) Benzoic Acid	6.46	105	96998	23.07	ppb	97
32) bis(2-Chloroethoxy)methane	6.47	93	173885	24.89	ppb	98
33) 2,4-Dichlorophenol	6.61	162	129969	25.52	ppb	97
34) 2,6-Dichlorophenol	6.96	162	118071	25.43	ppb	99
35) 1,3,5-Trichlorobenzene	6.28	180	141486	26.37	ppb	98
36) 1,2,4-Trichlorobenzene	6.74	180	141033	25.38	ppb	98
37) 1,2,3-Trichlorobenzene	7.11	180	129660	25.79	ppb	99
38) Naphthalene	6.83	128	408443	24.72	ppb	100
39) 4-Chloroaniline	6.95	127	187173	25.53	ppb	99
40) 2,3-Dichloroaniline	8.40	161	139594	25.27	ppb	98
41) Caprolactam	7.43	55	67843	23.06	ppb	94
42) Hexachlorobutadiene	7.12	225	68317	26.36	ppb	100
43) 4-Chloro-3-methylphenol	7.71	107	139705	25.04	ppb	98
44) 2-Methylnaphthalene	7.90	142	337713	25.64	ppb	98
45) 1-Methylnaphthalene	8.06	142	302526	25.79	ppb	99
46) Dimethylnaphthalene	8.89	156	255692	25.82	ppb	99
48) Hexachlorocyclopentadiene	8.26	237	129307	46.73	ppb	99
49) 2,4,6-Trichlorophenol	8.39	196	89804	25.85	ppb	98
50) 2,4,5-Trichlorophenol	8.44	196	90420	25.54	ppb	99
52) 2-Chloronaphthalene	8.65	162	263413	26.08	ppb	98
53) Biphenyl	8.65	154	339352	25.53	ppb	99
54) 2-Nitroaniline	8.88	65	87203	24.78	ppb	97
55) Dimethylphthalate	9.24	163	338179	24.87	ppb	99
56) Acenaphthylene	9.32	152	456282	25.44	ppb	99
57) 2,6-Dinitrotoluene	9.33	89	36548	26.78	ppb	92
58) 3-Nitroaniline	9.54	138	90203	24.12	ppb	99
59) Acenaphthene	9.62	153	265018	24.53	ppb	95
60) 2,4-Dinitrophenol	9.70	184	66408	42.34	ppb	98
61) 4-Nitrophenol	9.82	109	42176	26.00	ppb	94
62) Dibenzofuran	9.87	168	398426	25.91	ppb	93
63) 2,4-Dinitrotoluene	9.95	165	99140	24.67	ppb	95
64) 2,3,4,6-Tetrachlorophenol	10.15	232	78779	24.81	ppb	98
65) Diethylphthalate	10.38	149	336079	25.17	ppb	99
66) Fluorene	10.43	166	318949	25.62	ppb	100
67) 4-Chlorophenyl-phenylether	10.44	204	140351	26.58	ppb	97
68) 4-Nitroaniline	10.52	138	86457	24.39	ppb	97
70) 4,6-Dinitro-2-methylphenol	10.59	198	57327	24.25	ppb	97
71) n-Nitrosodiphenylamine	10.65	169	230471	26.31	ppb	98
72) 1,2-Diphenylhydrazine	10.69	77	287839	25.45	ppb	99
74) 4-Bromophenyl-phenylether	11.22	248	93843	26.15	ppb	97
75) Hexachlorobenzene	11.43	284	94446	26.66	ppb	98
76) Pentachlorophenol	11.69	266	122640	50.76	ppb	99
77) Phenanthrene	11.90	178	405846	25.32	ppb	99
78) Anthracene	11.96	178	418578	25.87	ppb	100
79) Carbazole	12.20	167	430864	25.51	ppb	99
80) Di-n-butylphthalate	12.76	149	584798	25.83	ppb	99
81) Fluoranthene	13.44	202	531623	25.81	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52538.D
Acq On : 30 Sep 2010 10:54 am
Operator : ninap
Sample : ic2264-25
Misc : op45836,ep2264
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 30 12:00:59 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration

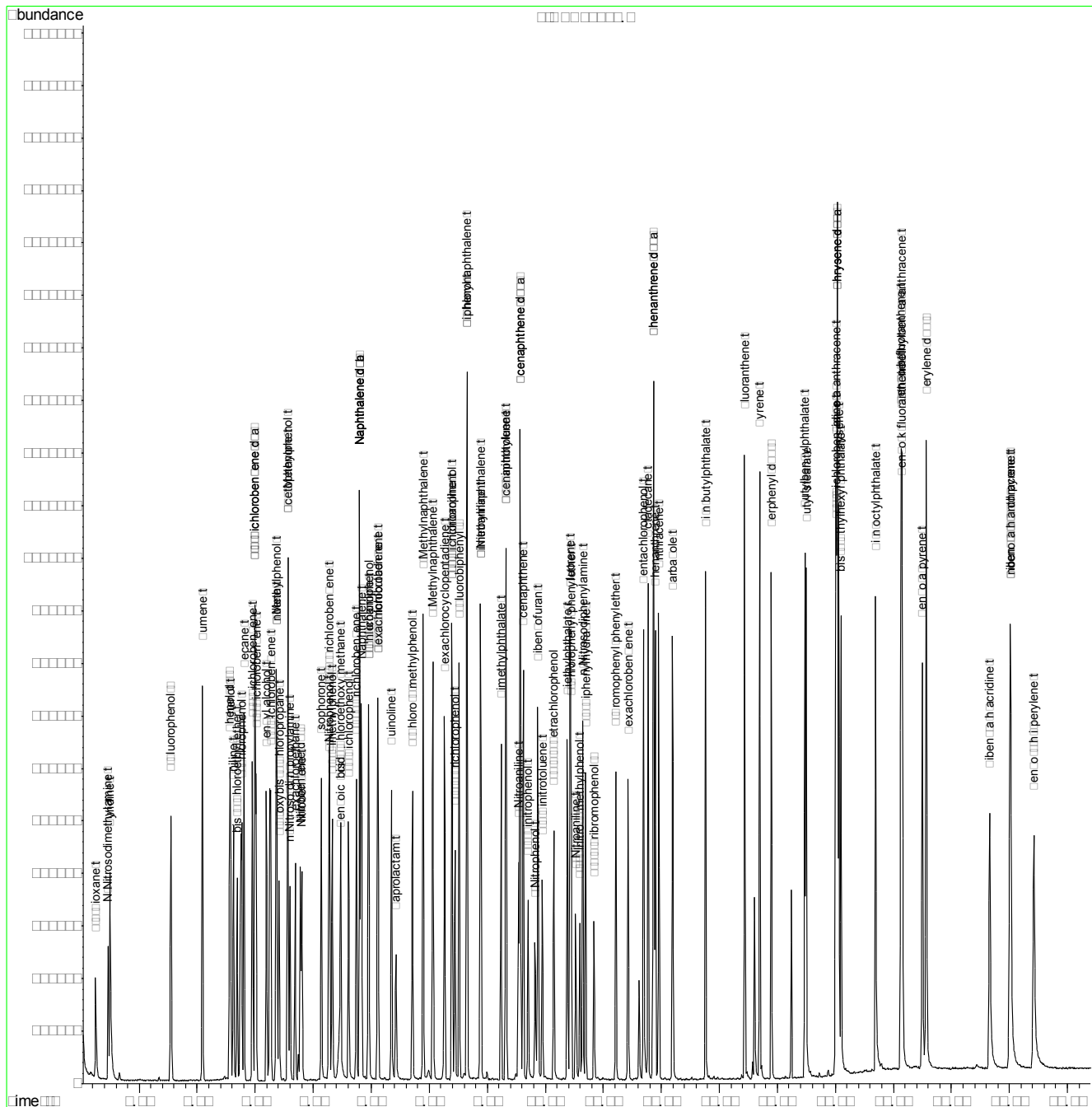
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	11.77	57	209805	25.47	ppb	99
84) Pyrene	13.70	202	514210	24.61	ppb	99
85) Butyl stearate	14.50	56	153091	23.89	ppb	95
87) Butylbenzylphthalate	14.47	149	251484	23.64	ppb	96
88) Benzo[a]anthracene	15.02	228	431823	24.69	ppb	99
89) 3,3'-Dichlorobenzidine	15.00	252	182994	24.08	ppb	98
90) Chrysene	15.06	228	391185	24.46	ppb	99
91) bis(2-Ethylhexyl)phthalate	15.10	149	274640	23.54	ppb	98
93) Di-n-octylphthalate	15.69	149	539350	23.63	ppb	99
94) Benzo[b]fluoranthene	16.13	252	449506	25.57	ppb	98
95) Benzo[k]fluoranthene	16.15	252	397189	25.62	ppb	98
96) Benzo[a]pyrene	16.50	252	431254	25.67	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.01	276	472004	25.35	ppb	91
98) Dibenz(a,h)acridine	17.66	279	365735	24.15	ppb	99
99) Dibenz[a,h]anthracene	18.02	278	390423	25.97	ppb	98
100) 7,12-Dimethylbenz(a)anthra	16.14	256	184004	26.16	ppb	98
101) Benzo[g,h,i]perylene	18.43	276	409037	24.54	ppb	99

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

(QT Reviewed)

```
Data Path   : C:\MSDCHEM\1\DATA\ep2264\
Data File  : P52538.D
Acq On     : 30 Sep 2010  10:54 am
Operator   : ninap
Sample     : ic2264-25
Misc       : op45836,ep2264
ALS Vial   : 7      Sample Multiplier: 1
```

Quant Time: Sep 30 12:00:59 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration



MP2264.M Thu Sep 30 12:39:32 2010 MSP

Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52539.D
 Acq On : 30 Sep 2010 11:24 am
 Operator : ninap
 Sample : ic2264-80
 Misc : op45836,ep2264
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 30 12:01:47 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.00	152	177393	40.00	ppb	0.00
24) Naphthalene-d8	6.81	136	671939	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	390986	40.00	ppb	0.00
69) Phenanthrene-d10	11.87	188	644008	40.00	ppb	0.00
83) Chrysene-d12	15.04	240	584514	40.00	ppb	0.00
92) Perylene-d12	16.57	264	584823	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.00	152	177393	40.00	ppb	0.00
104) Naphthalene-d8a	6.81	136	671939	40.00	ppb	0.00
109) Phenanthrene-d10a	11.87	188	644008	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	390986	40.00	ppb	0.00
114) Chrysene-d12a	15.04	240	584514	40.00	ppb	0.00
117) Naphthalene-d8b	6.81	136	671939	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	611994	88.35	ppb	0.00
Spiked Amount	50.000		Recovery	=	176.70%	
8) Phenol-d5	4.57	99	722836	81.38	ppb	0.00
Spiked Amount	50.000		Recovery	=	162.76%	
25) Nitrobenzene-d5	5.79	82	528853	79.50	ppb	0.00
Spiked Amount	50.000		Recovery	=	159.00%	
51) 2-Fluorobiphenyl	8.52	172	975712	77.11	ppb	0.00
Spiked Amount	50.000		Recovery	=	154.22%	
73) 2,4,6-Tribromophenol	10.85	330	131272	84.35	ppb	0.00
Spiked Amount	50.000		Recovery	=	168.70%	
86) Terphenyl-d14	13.90	244	994083	80.15	ppb	0.00
Spiked Amount	50.000		Recovery	=	160.30%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	308252	122.81	ppb	93
3) Pyridine	2.49	79	648254	96.46	ppb	97
4) N-Nitrosodimethylamine	2.46	74	433545	103.13	ppb	100
6) Indene	5.37	116	592132	76.23	ppb	97
7) Cumene	4.09	105	1093814	80.73	ppb	99
9) Phenol	4.59	94	643689	77.65	ppb	97
10) Aniline	4.63	93	634786	75.23	ppb	91
11) bis(2-Chloroethyl)ether	4.70	93	463643	78.50	ppb	99
12) 2-Chlorophenol	4.77	128	456983	76.03	ppb	98
13) Decane	4.81	43	427037	71.24	ppb	97
14) 1,3-Dichlorobenzene	4.96	146	538889	78.55	ppb	98
15) 1,4-Dichlorobenzene	5.02	146	495570	78.02	ppb	99
16) Benzyl alcohol	5.20	108	343200	80.17	ppb	98
17) 1,2-Dichlorobenzene	5.27	146	452865	75.21	ppb	99
18) Acetophenone	5.57	105	584438	76.63	ppb	89
19) 2-Methylphenol	5.37	108	400410	76.36	ppb	100
20) 2,2'-oxybis(1-Chloropropan	5.42	121	146766	78.33	ppb	# 85
21) 3&4-Methylphenol	5.57	108	446213	76.94	ppb	99
22) n-Nitroso-di-n-propylamine	5.61	70	313339	78.69	ppb	95
23) Hexachloroethane	5.69	201	168593	80.46	ppb	99
26) Nitrobenzene	5.82	123	236627	79.10	ppb	98
27) Quinoline	7.36	129	917742	81.98	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52539.D
 Acq On : 30 Sep 2010 11:24 am
 Operator : ninap
 Sample : ic2264-80
 Misc : op45836,ep2264
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 30 12:01:47 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 08:57:05 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.15	82	952789	78.60	ppb	100
29) 2-Nitrophenol	6.28	139	289277	79.86	ppb	93
30) 2,4-Dimethylphenol	6.34	107	429661	80.31	ppb	99
31) Benzoic Acid	6.55	105	410829	97.45	ppb	97
32) bis(2-Chloroethoxy)methane	6.49	93	556789	79.50	ppb	99
33) 2,4-Dichlorophenol	6.62	162	399515	78.24	ppb	98
34) 2,6-Dichlorophenol	6.97	162	359627	77.26	ppb	99
35) 1,3,5-Trichlorobenzene	6.29	180	410730	76.35	ppb	96
36) 1,2,4-Trichlorobenzene	6.75	180	431244	77.41	ppb	99
37) 1,2,3-Trichlorobenzene	7.12	180	395024	78.36	ppb	100
38) Naphthalene	6.84	128	1270673	76.70	ppb	99
39) 4-Chloroaniline	6.96	127	565325	76.93	ppb	99
40) 2,3-Dichloroaniline	8.40	161	420175	75.86	ppb	99
41) Caprolactam	7.48	55	240125	81.42	ppb	97
42) Hexachlorobutadiene	7.13	225	201886	77.69	ppb	97
43) 4-Chloro-3-methylphenol	7.72	107	455303	81.41	ppb	98
44) 2-Methylnaphthalene	7.90	142	1018837	77.15	ppb	98
45) 1-Methylnaphthalene	8.07	142	931468	79.19	ppb	98
46) Dimethylnaphthalene	8.89	156	774895	78.05	ppb	100
48) Hexachlorocyclopentadiene	8.26	237	424944	152.62	ppb	98
49) 2,4,6-Trichlorophenol	8.40	196	265883	76.06	ppb	98
50) 2,4,5-Trichlorophenol	8.46	196	289262	81.19	ppb	99
52) 2-Chloronaphthalene	8.66	162	765302	75.30	ppb	97
53) Biphenyl	8.65	154	1003179	75.01	ppb	99
54) 2-Nitroaniline	8.89	65	276387	78.06	ppb	98
55) Dimethylphthalate	9.25	163	1084498	79.25	ppb	99
56) Acenaphthylene	9.33	152	1358328	75.26	ppb	100
57) 2,6-Dinitrotoluene	9.34	89	109113	79.44	ppb	97
58) 3-Nitroaniline	9.56	138	300506	79.87	ppb	99
59) Acenaphthene	9.63	153	824827	75.86	ppb	100
60) 2,4-Dinitrophenol	9.72	184	280264	177.58	ppb	98
61) 4-Nitrophenol	9.85	109	145508	89.15	ppb	# 70
62) Dibenzofuran	9.88	168	1176455	76.04	ppb	91
63) 2,4-Dinitrotoluene	9.96	165	322393	79.71	ppb	96
64) 2,3,4,6-Tetrachlorophenol	10.16	232	261192	81.75	ppb	99
65) Diethylphthalate	10.39	149	1061831	79.04	ppb	100
66) Fluorene	10.43	166	929611	74.20	ppb	100
67) 4-Chlorophenyl-phenylether	10.45	204	400413	75.36	ppb	98
68) 4-Nitroaniline	10.56	138	286137	80.21	ppb	96
70) 4,6-Dinitro-2-methylphenol	10.61	198	212928	88.32	ppb	92
71) n-Nitrosodiphenylamine	10.66	169	702703	78.66	ppb	98
72) 1,2-Diphenylhydrazine	10.71	77	892981	77.44	ppb	100
74) 4-Bromophenyl-phenylether	11.22	248	299712	81.90	ppb	99
75) Hexachlorobenzene	11.44	284	291804	80.79	ppb	97
76) Pentachlorophenol	11.70	266	389104	157.93	ppb	99
77) Phenanthrene	11.90	178	1250600	76.53	ppb	99
78) Anthracene	11.97	178	1269504	76.95	ppb	99
79) Carbazole	12.21	167	1350384	78.42	ppb	99
80) Di-n-butylphthalate	12.77	149	1805532	78.22	ppb	100
81) Fluoranthene	13.45	202	1614943	76.90	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52539.D
Acq On : 30 Sep 2010 11:24 am
Operator : ninap
Sample : ic2264-80
Misc : op45836,ep2264
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 30 12:01:47 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration

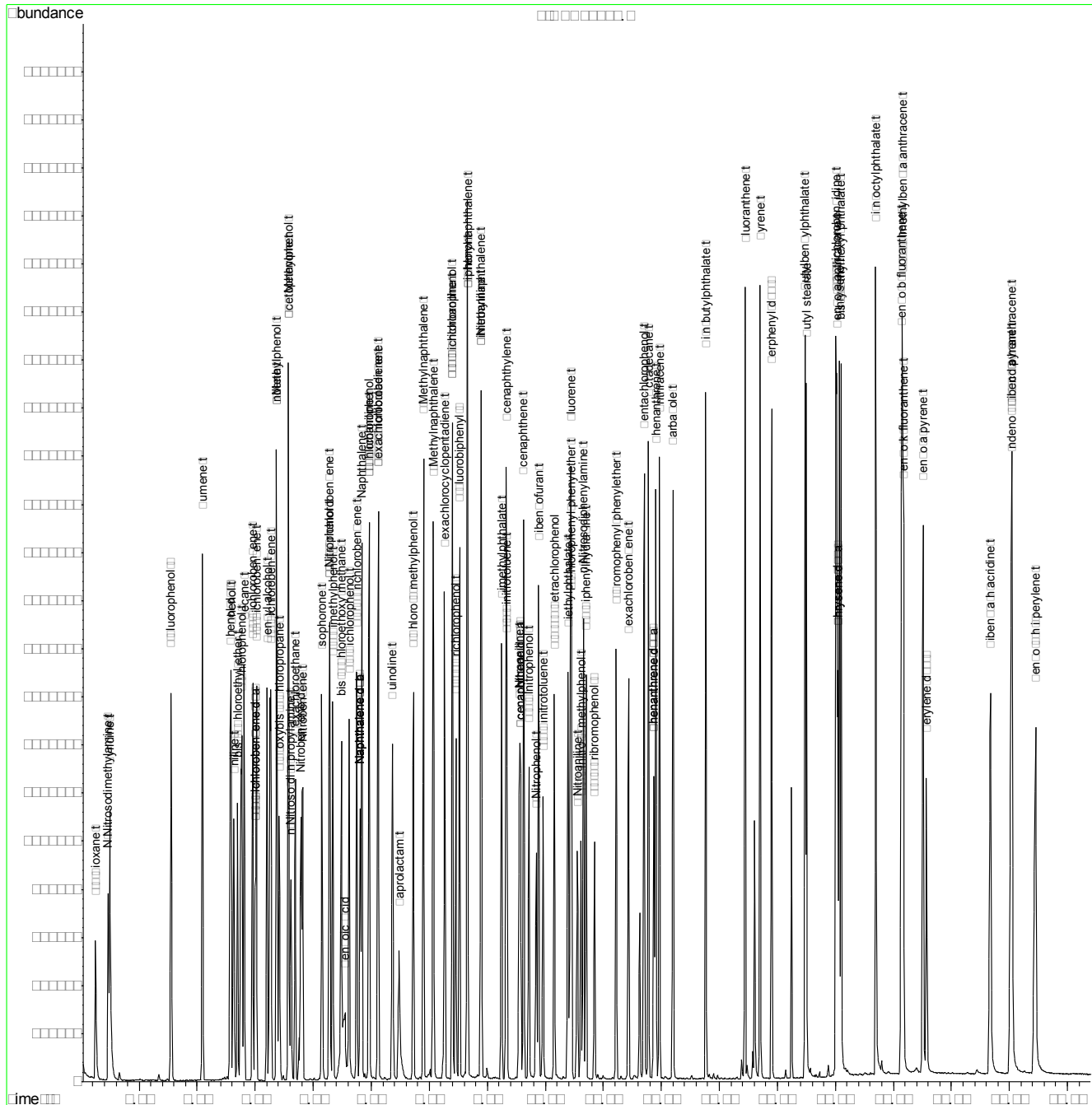
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	11.78	57	625034	74.41	ppb	98
84) Pyrene	13.70	202	1529933	77.79	ppb	97
85) Butyl stearate	14.50	56	448166	74.31	ppb	98
87) Butylbenzylphthalate	14.48	149	813952	81.30	ppb	97
88) Benzo[a]anthracene	15.02	228	1271800	77.25	ppb	100
89) 3,3'-Dichlorobenzidine	15.01	252	574348	80.30	ppb	98
90) Chrysene	15.07	228	1194635	79.36	ppb	99
91) bis(2-Ethylhexyl)phthalate	15.10	149	860186	78.33	ppb	100
93) Di-n-octylphthalate	15.70	149	1850085	78.10	ppb	99
94) Benzo[b]fluoranthene	16.14	252	1528977	83.80	ppb	99
95) Benzo[k]fluoranthene	16.18	252	1061920	66.00	ppb	98
96) Benzo[a]pyrene	16.51	252	1370795	78.63	ppb	98
97) Indeno[1,2,3-cd]pyrene	18.03	276	1523584	78.82	ppb	93
98) Dibenz(a,h)acridine	17.68	279	1248472	79.44	ppb	98
99) Dibenz[a,h]anthracene	18.05	278	1201896	77.04	ppb	99
100) 7,12-Dimethylbenz(a)anthra	16.16	256	550554	75.40	ppb	98
101) Benzo[g,h,i]perylene	18.45	276	1385886	80.10	ppb	98

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

(QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52539.D
Acq On : 30 Sep 2010 11:24 am
Operator : ninap
Sample : ic2264-80
Misc : op45836,ep2264
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 30 12:01:47 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 08:57:05 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52540.D
 Acq On : 30 Sep 2010 11:53 am
 Operator : ninap
 Sample : ic2264-100
 Misc : op45836,ep2264
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 30 12:14:17 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 12:10:57 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.00	152	163673	40.00	ppb	0.00
24) Naphthalene-d8	6.81	136	630017	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	366626	40.00	ppb	0.00
69) Phenanthrene-d10	11.87	188	612964	40.00	ppb	0.00
83) Chrysene-d12	15.04	240	545595	40.00	ppb	0.00
92) Perylene-d12	16.57	264	556537	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.00	152	163673	40.00	ppb	0.00
104) Naphthalene-d8a	6.81	136	630017	40.00	ppb	0.00
109) Phenanthrene-d10a	11.87	188	612964	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	366626	40.00	ppb	0.00
114) Chrysene-d12a	15.04	240	545595	40.00	ppb	0.00
117) Naphthalene-d8b	6.81	136	630017	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	3.55	112	680300	100.95	ppb	0.00
Spiked Amount	50.000		Recovery	=	201.90%	
8) Phenol-d5	4.57	99	817308	100.45	ppb	0.01
Spiked Amount	50.000		Recovery	=	200.90%	
25) Nitrobenzene-d5	5.79	82	602991	93.41	ppb	0.00
Spiked Amount	50.000		Recovery	=	186.82%	
51) 2-Fluorobiphenyl	8.53	172	1090129	84.48	ppb	0.00
Spiked Amount	50.000		Recovery	=	168.96%	
73) 2,4,6-Tribromophenol	10.85	330	152453	104.92	ppb	0.00
Spiked Amount	50.000		Recovery	=	209.84%	
86) Terphenyl-d14	13.91	244	1117885	92.75	ppb	0.00
Spiked Amount	50.000		Recovery	=	185.50%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	345000	111.02	ppb	95
3) Pyridine	2.49	79	727833	93.92	ppb	96
4) N-Nitrosodimethylamine	2.46	74	490585	104.27	ppb	97
6) Indene	5.37	116	664860	86.60	ppb	96
7) Cumene	4.09	105	1217923	91.85	ppb	99
9) Phenol	4.59	94	719667	90.13	ppb	98
10) Aniline	4.63	93	701036	78.22	ppb	81
11) bis(2-Chloroethyl)ether	4.70	93	522499	87.62	ppb	100
12) 2-Chlorophenol	4.77	128	509425	85.15	ppb	98
13) Decane	4.81	43	473151	80.07	ppb	94
14) 1,3-Dichlorobenzene	4.96	146	606556	88.56	ppb	99
15) 1,4-Dichlorobenzene	5.02	146	559567	90.76	ppb	99
16) Benzyl alcohol	5.20	108	387589	103.68	ppb	98
17) 1,2-Dichlorobenzene	5.27	146	506137	83.69	ppb	98
18) Acetophenone	5.58	105	664125	90.42	ppb	91
19) 2-Methylphenol	5.37	108	447520	92.74	ppb	99
20) 2,2'-oxybis(1-Chloropropan	5.42	121	164098	89.53	ppb	92
21) 3&4-Methylphenol	5.58	108	498100	96.94	ppb	99
22) n-Nitroso-di-n-propylamine	5.61	70	355807	95.97	ppb	96
23) Hexachloroethane	5.69	201	190156	93.88	ppb	98
26) Nitrobenzene	5.82	123	268167	88.01	ppb	97
27) Quinoline	7.37	129	1032623	100.91	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
 Data File : P52540.D
 Acq On : 30 Sep 2010 11:53 am
 Operator : ninap
 Sample : ic2264-100
 Misc : op45836,ep2264
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 30 12:14:17 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 12:10:57 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.15	82	1074387	96.64	ppb	100
29) 2-Nitrophenol	6.28	139	330435	99.39	ppb	95
30) 2,4-Dimethylphenol	6.34	107	490212	98.65	ppb	98
31) Benzoic Acid	6.57	105	474783	145.29	ppb	98
32) bis(2-Chloroethoxy)methane	6.49	93	628881	92.34	ppb	100
33) 2,4-Dichlorophenol	6.62	162	446821	98.30	ppb	99
34) 2,6-Dichlorophenol	6.97	162	403745	91.80	ppb	99
35) 1,3,5-Trichlorobenzene	6.29	180	460348	81.52	ppb	95
36) 1,2,4-Trichlorobenzene	6.75	180	484301	86.24	ppb	99
37) 1,2,3-Trichlorobenzene	7.12	180	434439	86.26	ppb	99
38) Naphthalene	6.84	128	1423539	88.23	ppb	99
39) 4-Chloroaniline	6.96	127	631907	89.30	ppb	98
40) 2,3-Dichloroaniline	8.40	161	471429	87.66	ppb	99
41) Caprolactam	7.49	55	277276	119.19	ppb	95
42) Hexachlorobutadiene	7.13	225	222377	83.56	ppb	98
43) 4-Chloro-3-methylphenol	7.73	107	515854	107.26	ppb	# 28
44) 2-Methylnaphthalene	7.90	142	1140320	87.70	ppb	99
45) 1-Methylnaphthalene	8.07	142	1040131	89.00	ppb	99
46) Dimethylnaphthalene	8.90	156	862003	86.26	ppb	99
48) Hexachlorocyclopentadiene	8.27	237	477155	202.22	ppb	100
49) 2,4,6-Trichlorophenol	8.40	196	300491	100.35	ppb	98
50) 2,4,5-Trichlorophenol	8.46	196	320528	99.22	ppb	99
52) 2-Chloronaphthalene	8.66	162	858058	79.65	ppb	99
53) Biphenyl	8.66	154	1128636	82.13	ppb	99
54) 2-Nitroaniline	8.89	65	308570	97.73	ppb	100
55) Dimethylphthalate	9.25	163	1215695	92.23	ppb	99
56) Acenaphthylene	9.33	152	1545492	85.99	ppb	99
57) 2,6-Dinitrotoluene	9.34	89	123296	90.93	ppb	99
58) 3-Nitroaniline	9.56	138	338329	104.91	ppb	99
59) Acenaphthene	9.63	153	930673	89.67	ppb	99
60) 2,4-Dinitrophenol	9.72	184	325382	308.91	ppb	95
61) 4-Nitrophenol	9.85	109	169394	119.73	ppb	96
62) Dibenzofuran	9.89	168	1321207	83.35	ppb	90
63) 2,4-Dinitrotoluene	9.97	165	364272	101.82	ppb	99
64) 2,3,4,6-Tetrachlorophenol	10.16	232	300198	107.45	ppb	97
65) Diethylphthalate	10.39	149	1198119	91.37	ppb	100
66) Fluorene	10.43	166	1036651	80.81	ppb	99
67) 4-Chlorophenyl-phenylether	10.45	204	446350	76.87	ppb	99
68) 4-Nitroaniline	10.56	138	327540	98.00	ppb	98
70) 4,6-Dinitro-2-methylphenol	10.62	198	242186	112.39	ppb	81
71) n-Nitrosodiphenylamine	10.66	169	793191	84.35	ppb	98
72) 1,2-Diphenylhydrazine	10.71	77	998287	83.84	ppb	100
74) 4-Bromophenyl-phenylether	11.22	248	339962	91.35	ppb	97
75) Hexachlorobenzene	11.43	284	330508	86.22	ppb	98
76) Pentachlorophenol	11.71	266	435398	203.47	ppb	98
77) Phenanthrene	11.91	178	1421948	84.43	ppb	99
78) Anthracene	11.97	178	1443676	83.13	ppb	100
79) Carbazole	12.21	167	1526306	87.87	ppb	99
80) Di-n-butylphthalate	12.77	149	2053171	92.71	ppb	99
81) Fluoranthene	13.45	202	1805335	85.95	ppb	99

86.33

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52540.D
Acq On : 30 Sep 2010 11:53 am
Operator : ninap
Sample : ic2264-100
Misc : op45836,ep2264
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 30 12:14:17 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 12:10:57 2010
Response via : Initial Calibration

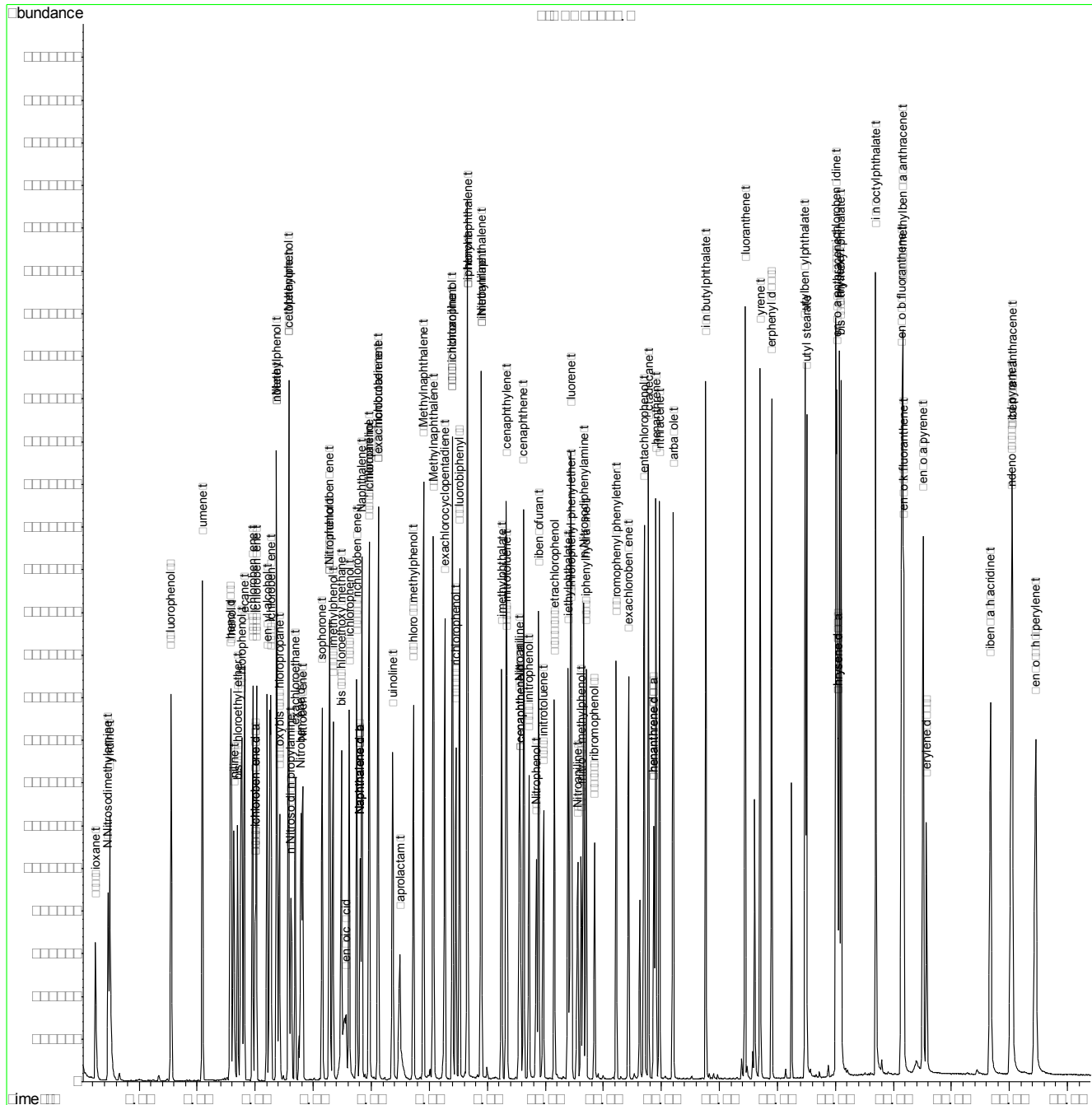
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	11.78	57	701092	83.77	ppb	98
84) Pyrene	13.70	202	1717687	88.59	ppb	97
85) Butyl stearate	14.50	56	500672	85.27	ppb	91
87) Butylbenzylphthalate	14.48	149	911788	106.96	ppb	96
88) Benzo[a]anthracene	15.02	228	1411345	87.01	ppb	99
89) 3,3'-Dichlorobenzidine	15.01	252	646781	105.13	ppb	98
90) Chrysene	15.07	228	1329517	89.42	ppb	99
91) bis(2-Ethylhexyl)phthalate	15.10	149	972538	104.23	ppb	100
93) Di-n-octylphthalate	15.70	149	2091180	108.77	ppb	98
94) Benzo[b]fluoranthene	16.14	252	1812896	104.20	ppb	98
95) Benzo[k]fluoranthene	16.18	252	1098778	62.72	ppb	98
96) Benzo[a]pyrene	16.51	252	1533343	94.40	ppb	99
97) Indeno[1,2,3-cd]pyrene	18.04	276	1724894	96.04	ppb	95
98) Dibenz(a,h)acridine	17.68	279	1429847	107.30	ppb	97
99) Dibenz[a,h]anthracene	18.05	278	1352058	92.24	ppb	99
100) 7,12-Dimethylbenz(a)anthra	16.16	256	618573	86.13	ppb	97
101) Benzo[g,h,i]perylene	18.46	276	1579446	98.84	ppb	98

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

(QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2264\
Data File : P52540.D
Acq On : 30 Sep 2010 11:53 am
Operator : ninap
Sample : ic2264-100
Misc : op45836,ep2264
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 30 12:14:17 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 12:10:57 2010
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52542.D
 Acq On : 30 Sep 2010 12:47 pm
 Operator : ninap
 Sample : icc2265-50
 Misc : op45836,ep2265
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 01 09:37:28 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 13:14:07 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	206299	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	681281	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	409006	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	649192	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	598759	40.00	ppb	0.00
92) Perylene-d12	16.57	264	592002	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	206299	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	681281	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	649192	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	409006	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	598759	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	681281	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

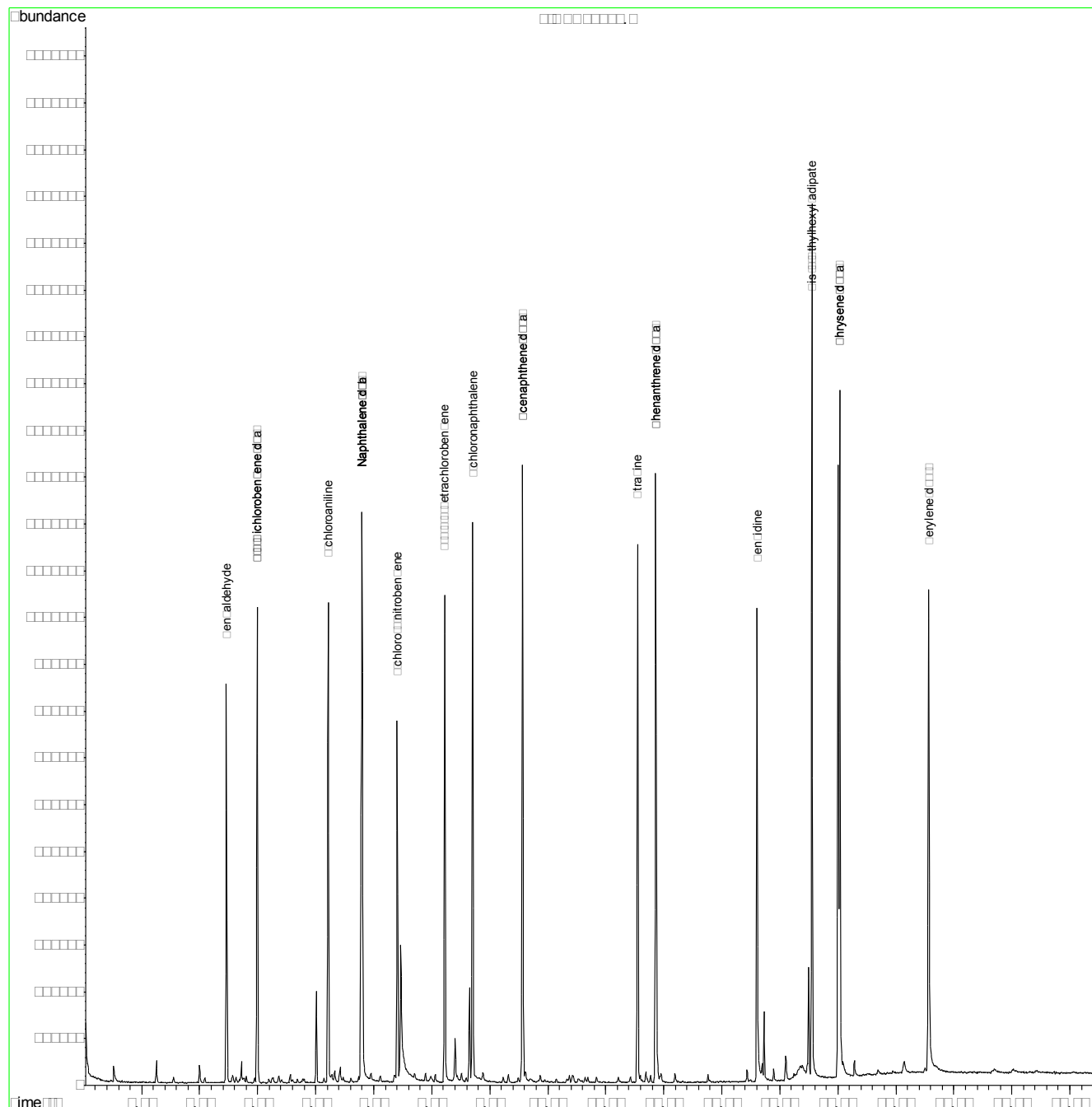
						Qvalue
103) Benzaldehyde	4.46	105	197465	50.00	ppb	100
106) 2-chloroaniline	6.21	127	419749	50.33	ppb	# 100
107) 1-chloro-2-nitrobenzene	7.40	157	108154	49.90	ppb	# 100
110) Atrazine	11.55	215	94463	50.00	ppb	100
112) 1,2,4,5-Tetrachlorobenzene	8.22	216	255607	50.00	ppb	100
113) 1-chloronaphthalene	8.71	162	502255	50.00	ppb	100
115) Benzidine	13.61	184	507454	50.00	ppb	100
116) Bis(2-Ethylhexyl)adipate	14.55	129	360337	49.51	ppb	100

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

(QT Reviewed)

```
Data Path   : C:\MSDCHEM\1\DATA\ep2265\  
Data File  : P52542.D  
Acq On     : 30 Sep 2010  12:47 pm  
Operator   : ninap  
Sample     : icc2265-50  
Misc       : op45836,ep2265  
ALS Vial   : 2      Sample Multiplier: 1
```

Quant Time: Oct 01 09:37:28 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 13:14:07 2010
Response via : Initial Calibration



MP2265.M Fri Oct 01 09:37:34 2010 MSP

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8.6.34

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52543.D
 Acq On : 30 Sep 2010 1:17 pm
 Operator : ninap
 Sample : ic2265-1
 Misc : op45836,ep2265
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 15:16:40 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 13:15:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	245144	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	812836	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	462121	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	747616	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	757031	40.00	ppb	0.00
92) Perylene-d12	16.57	264	655150	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	245144	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	812836	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	747616	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	462121	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	757031	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	812836	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

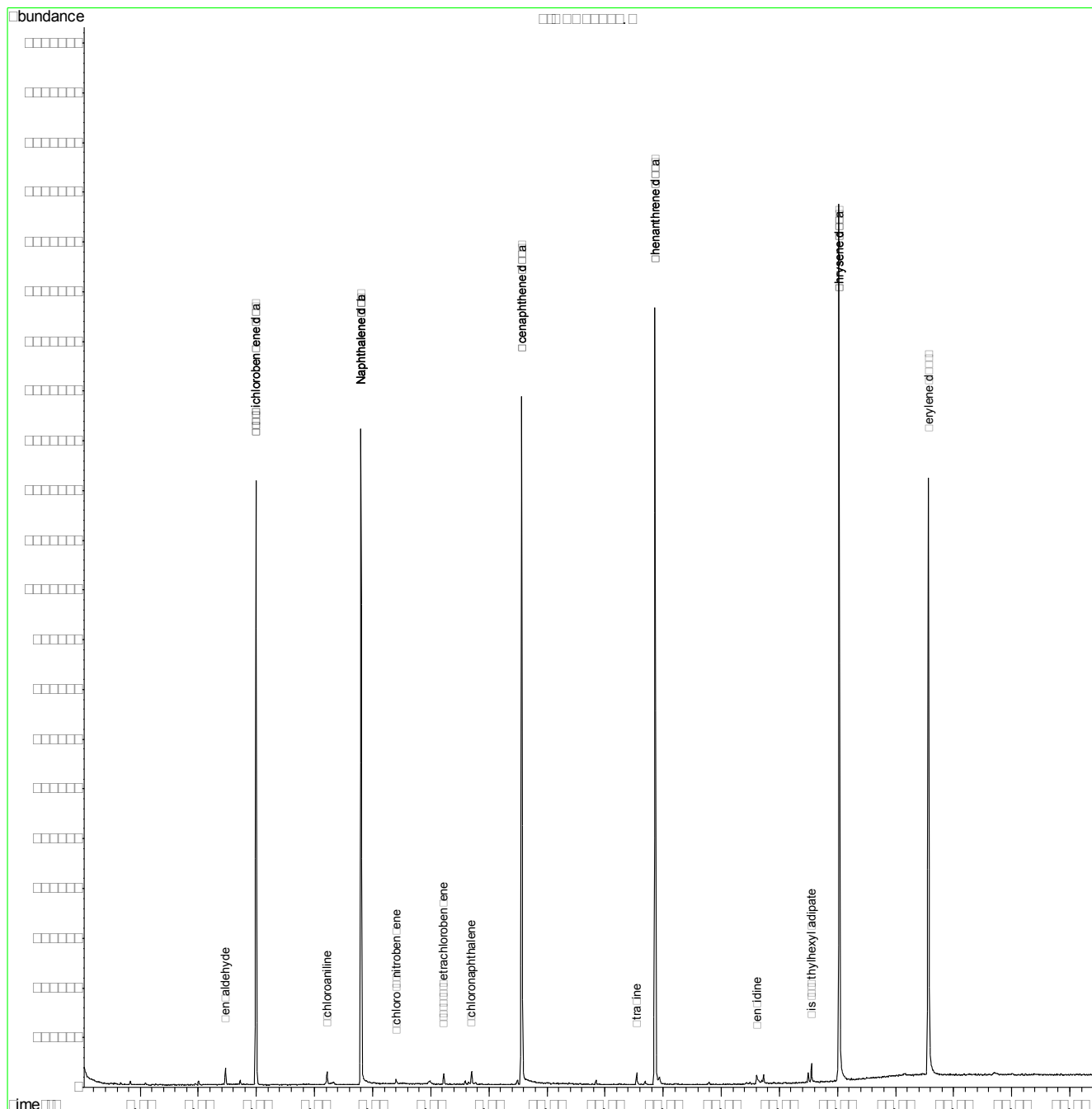
						Qvalue
103) Benzaldehyde	4.47	105	7888	1.68	ppb	94
106) 2-chloroaniline	6.22	127	10680	1.07	ppb	94
107) 1-chloro-2-nitrobenzene	7.41	157	1700	0.66	ppb	87
110) Atrazine	11.54	215	2345	1.08	ppb	# 88
112) 1,2,4,5-Tetrachlorobenzene	8.22	216	6318	1.09	ppb	92
113) 1-chloronaphthalene	8.70	162	13168	1.16	ppb	98
115) Benzidine	13.61	184	19264	1.50	ppb	98
116) Bis(2-Ethylhexyl)adipate	14.55	129	7595	0.83	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
Data File : P52543.D
Acq On : 30 Sep 2010 1:17 pm
Operator : ninap
Sample : ic2265-1
Misc : op45836,ep2265
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 30 15:16:40 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 13:15:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52544.D
 Acq On : 30 Sep 2010 1:46 pm
 Operator : ninap
 Sample : ic2265-2
 Misc : op45836,ep2265
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 01 09:37:59 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 13:15:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	232843	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	791543	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	427142	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	711094	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	710416	40.00	ppb	0.00
92) Perylene-d12	16.57	264	604691	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	232843	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	791543	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	711094	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	427142	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	710416	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	791543	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

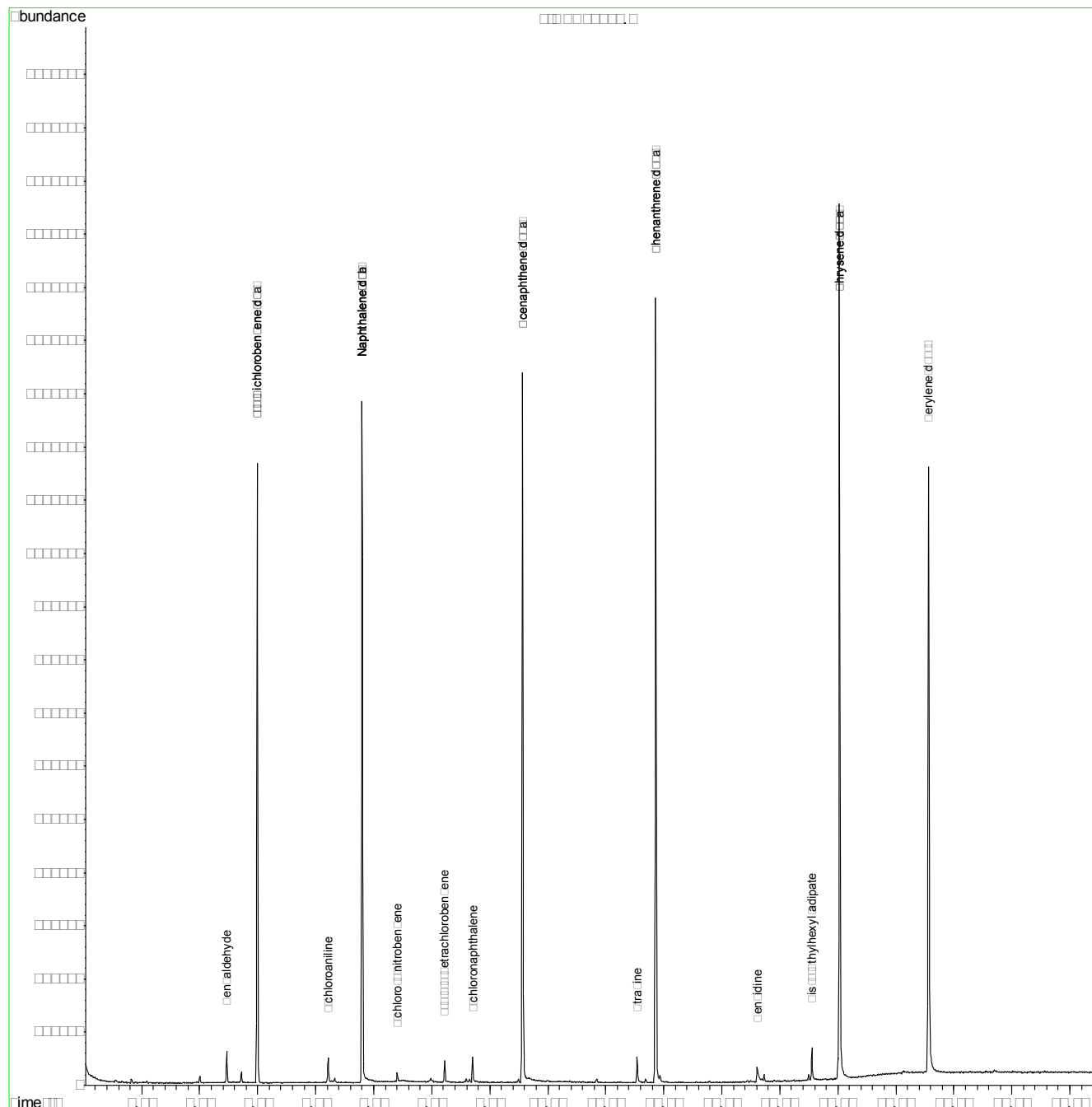
						Qvalue
103) Benzaldehyde	4.47	105	14079	3.16	ppb	99
106) 2-chloroaniline	6.21	127	17822	1.83	ppb	97
107) 1-chloro-2-nitrobenzene	7.40	157	2949	1.17	ppb	91
110) Atrazine	11.54	215	4343	2.10	ppb	95
112) 1,2,4,5-Tetrachlorobenzene	8.22	216	11140	2.09	ppb	95
113) 1-chloronaphthalene	8.71	162	22015	2.10	ppb	97
115) Benzidine	13.61	184	27113	2.25	ppb	100
116) Bis(2-Ethylhexyl)adipate	14.55	129	12346	1.44	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
Data File : P52544.D
Acq On : 30 Sep 2010 1:46 pm
Operator : ninap
Sample : ic2265-2
Misc : op45836,ep2265
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 01 09:37:59 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 13:15:30 2010
Response via : Initial Calibration



MP2265.M Fri Oct 01 09:38:03 2010 MSP

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8.6.36

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52545.D
 Acq On : 30 Sep 2010 2:16 pm
 Operator : ninap
 Sample : ic2265-5
 Misc : op45836,ep2265
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 09:38:14 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 13:15:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	246050	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	825070	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	447567	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	749585	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	741184	40.00	ppb	0.00
92) Perylene-d12	16.57	264	640931	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	246050	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	825070	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	749585	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	447567	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	741184	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	825070	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

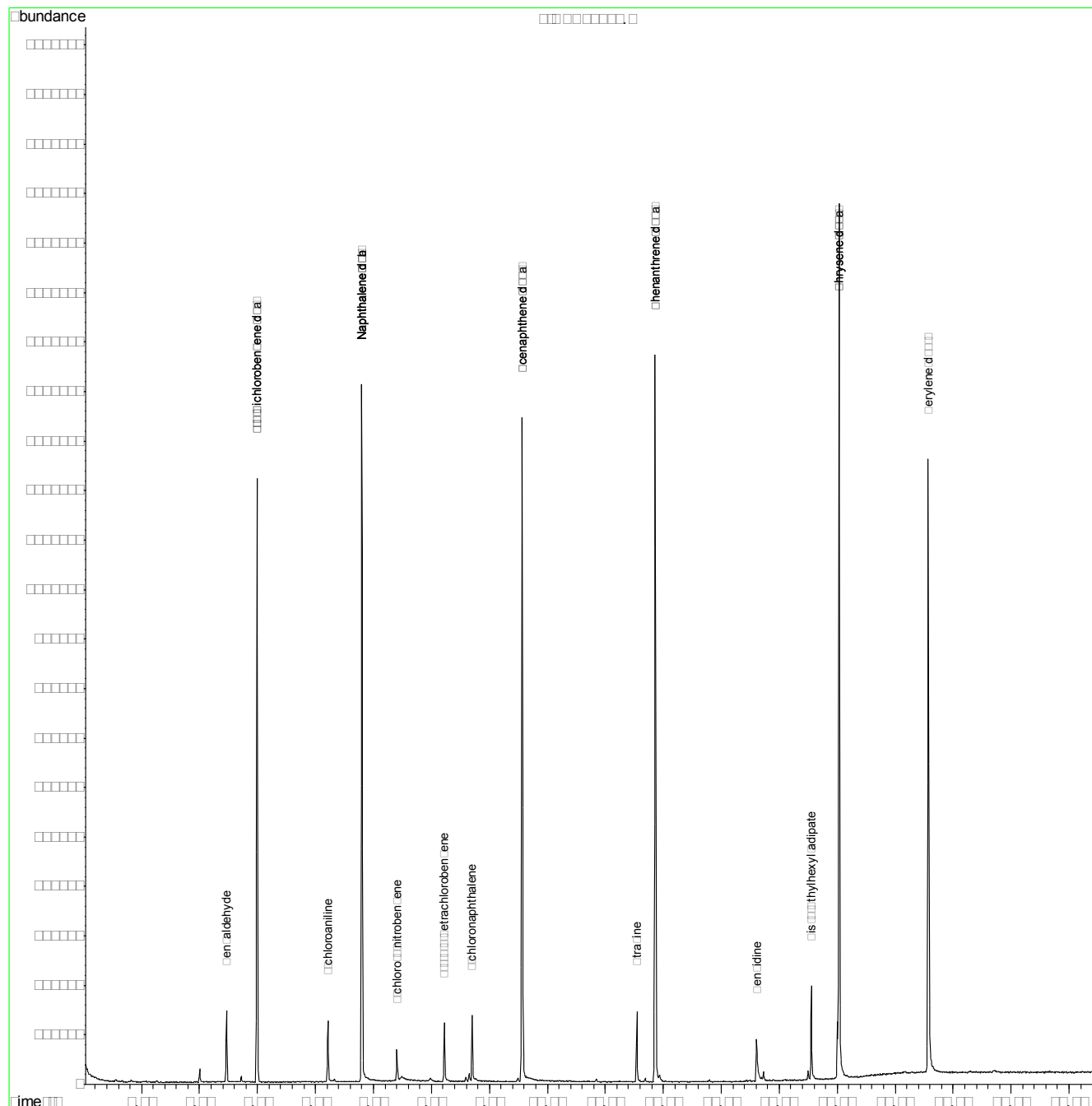
						Qvalue
103) Benzaldehyde	4.47	105	35005	7.43	ppb	98
106) 2-chloroaniline	6.21	127	49881	4.91	ppb	97
107) 1-chloro-2-nitrobenzene	7.40	157	9588	3.66	ppb	88
110) Atrazine	11.54	215	10573	4.85	ppb	98
112) 1,2,4,5-Tetrachlorobenzene	8.22	216	31290	5.59	ppb	98
113) 1-chloronaphthalene	8.70	162	62790	5.71	ppb	97
115) Benzidine	13.61	184	68327	5.44	ppb	98
116) Bis(2-Ethylhexyl)adipate	14.55	129	37701	4.23	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
Data File : P52545.D
Acq On : 30 Sep 2010 2:16 pm
Operator : ninap
Sample : ic2265-5
Misc : op45836,ep2265
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 09:38:14 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 13:15:30 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52546.D
 Acq On : 30 Sep 2010 2:45 pm
 Operator : ninap
 Sample : ic2265-10
 Misc : op45836,ep2265
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 01 09:38:32 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 13:15:30 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	235182	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	804408	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	453903	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	726584	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	711370	40.00	ppb	0.00
92) Perylene-d12	16.57	264	631641	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	235182	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	804408	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	726584	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	453903	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	711370	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	804408	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

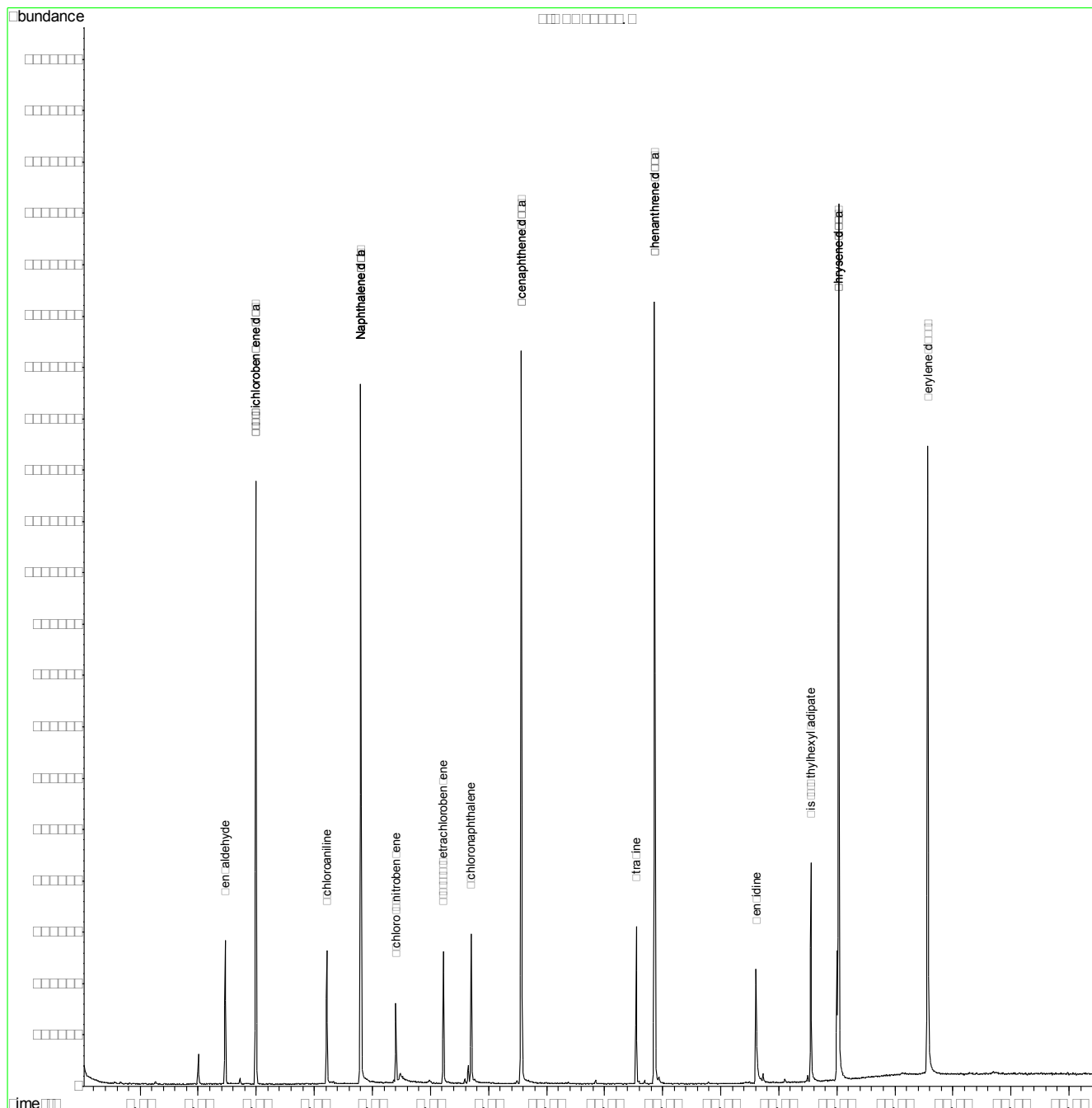
Target Compounds

						Qvalue
103) Benzaldehyde	4.47	105	69172	15.36	ppb	98
106) 2-chloroaniline	6.21	127	101703	10.26	ppb	99
107) 1-chloro-2-nitrobenzene	7.40	157	22643	8.87	ppb	99
110) Atrazine	11.54	215	22592	10.68	ppb	99
112) 1,2,4,5-Tetrachlorobenzene	8.22	216	63772	11.24	ppb	97
113) 1-chloronaphthalene	8.70	162	129000	11.57	ppb	99
115) Benzidine	13.61	184	148303	12.30	ppb	98
116) Bis(2-Ethylhexyl)adipate	14.55	129	81676	9.54	ppb	99

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

```
Data Path   : C:\MSDCHEM\1\DATA\ep2265\
Data File   : P52546.D
Acq On      : 30 Sep 2010    2:45 pm
Operator    : ninap
Sample      : ic2265-10
Misc        : op45836,ep2265
ALS Vial    : 6      Sample Multiplier: 1
```

Quant Time: Oct 01 09:38:32 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 13:15:30 2010
Response via : Initial Calibration



MP2265.M Fri Oct 01 09:38:37 2010 MSP

Page: 2

8.6.38

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52547.D
 Acq On : 30 Sep 2010 3:15 pm
 Operator : ninap
 Sample : ic2265-25
 Misc : op45836,ep2265
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 01 09:38:51 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 15:20:11 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	192292	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	638236	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	342571	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	572143	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	554613	40.00	ppb	0.00
92) Perylene-d12	16.57	264	505966	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	192292	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	638236	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	572143	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	342571	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	554613	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	638236	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

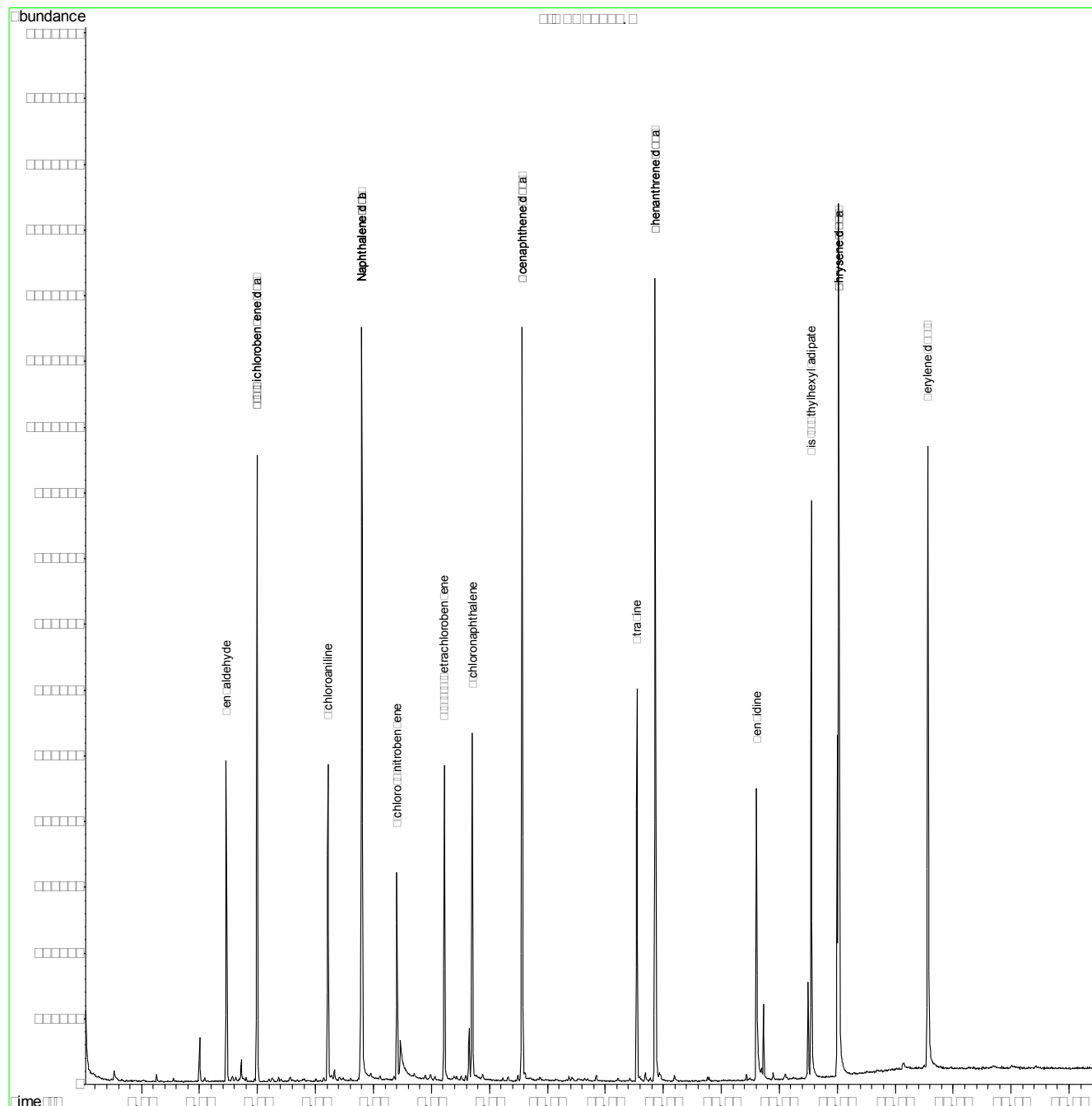
						Qvalue
103) Benzaldehyde	4.46	105	121503	22.66	ppb	99
106) 2-chloroaniline	6.21	127	195119	24.87	ppb	99
107) 1-chloro-2-nitrobenzene	7.40	157	44763	28.58	ppb	98
110) Atrazine	11.54	215	44887	26.10	ppb	99
112) 1,2,4,5-Tetrachlorobenzene	8.22	216	115472	25.06	ppb	97
113) 1-chloronaphthalene	8.71	162	234192	25.26	ppb	98
115) Benzidine	13.61	184	253639	22.69	ppb	99
116) Bis(2-Ethylhexyl)adipate	14.55	129	160813	27.66	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
Data File : P52547.D
Acq On : 30 Sep 2010 3:15 pm
Operator : ninap
Sample : ic2265-25
Misc : op45836,ep2265
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 01 09:38:51 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 15:20:11 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52548.D
 Acq On : 30 Sep 2010 3:45 pm
 Operator : ninap
 Sample : ic2265-80
 Misc : op45836,ep2265
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 01 09:39:15 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 15:42:31 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	192728	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	613030	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	380394	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	598434	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	526504	40.00	ppb	0.00
92) Perylene-d12	16.57	264	522381	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	192728	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	613030	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	598434	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	380394	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	526504	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	613030	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

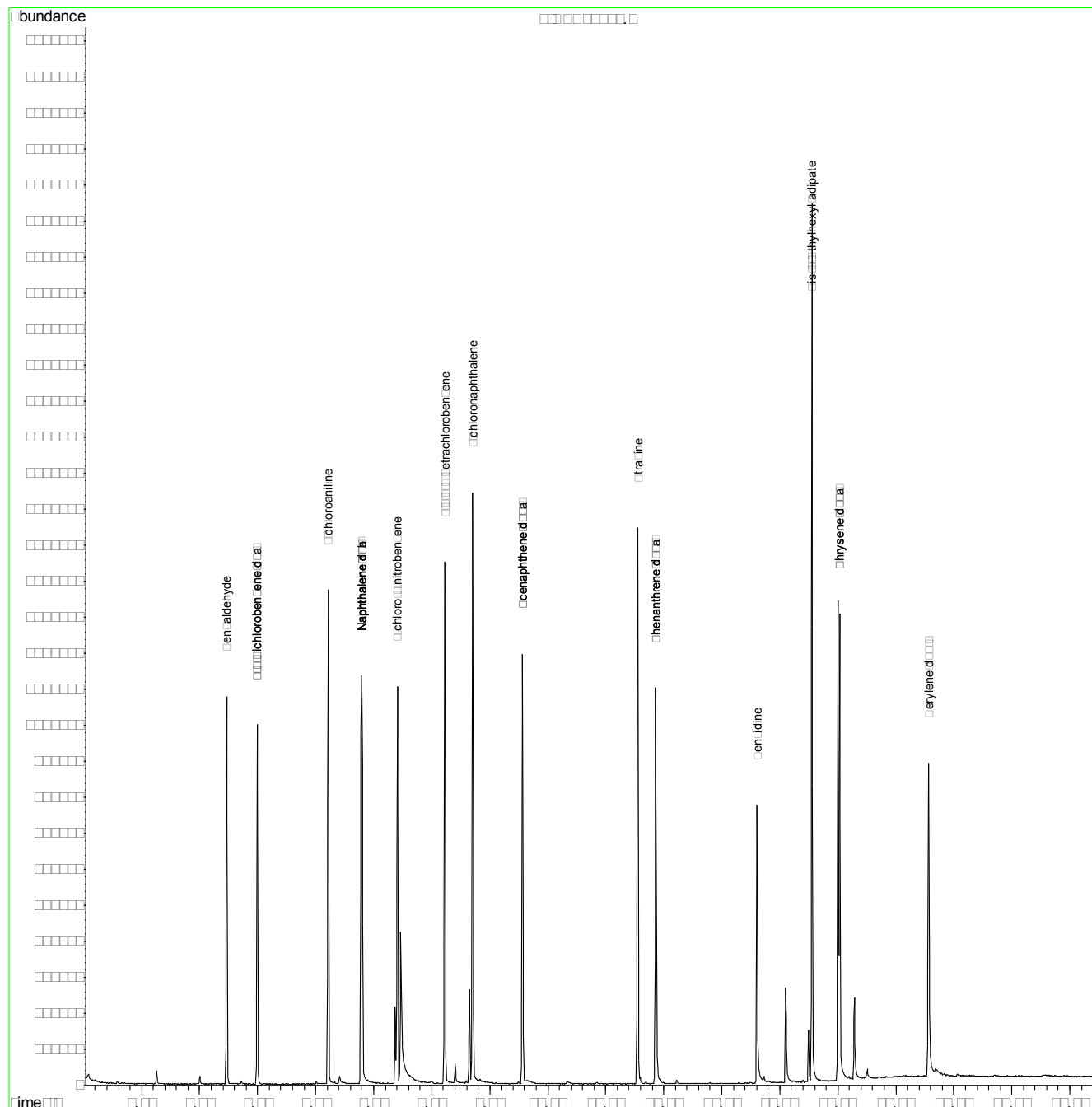
						Qvalue
103) Benzaldehyde	4.47	105	247782	46.84	ppb	99
106) 2-chloroaniline	6.22	127	549363	72.97	ppb	99
107) 1-chloro-2-nitrobenzene	7.41	157	151786	98.56	ppb	97
110) Atrazine	11.55	215	134842	74.41	ppb	97
112) 1,2,4,5-Tetrachlorobenzene	8.23	216	364176	71.16	ppb	97
113) 1-chloronaphthalene	8.71	162	698797	67.77	ppb	98
115) Benzidine	13.61	184	414193	39.65	ppb	99
116) Bis(2-Ethylhexyl)adipate	14.55	129	471481	83.94	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
Data File : P52548.D
Acq On : 30 Sep 2010 3:45 pm
Operator : ninap
Sample : ic2265-80
Misc : op45836,ep2265
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 01 09:39:15 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 15:42:31 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52549.D
 Acq On : 30 Sep 2010 4:14 pm
 Operator : ninap
 Sample : ic2265-100
 Misc : op45836,ep2265
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 30 17:21:00 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Thu Sep 30 15:42:31 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.00	152	192534	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	591613	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	377664	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	597136	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	508596	40.00	ppb	0.00
92) Perylene-d12	16.56	264	492047	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	5.00	152	192534	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	591613	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	597136	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	377664	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	508596	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	591613	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

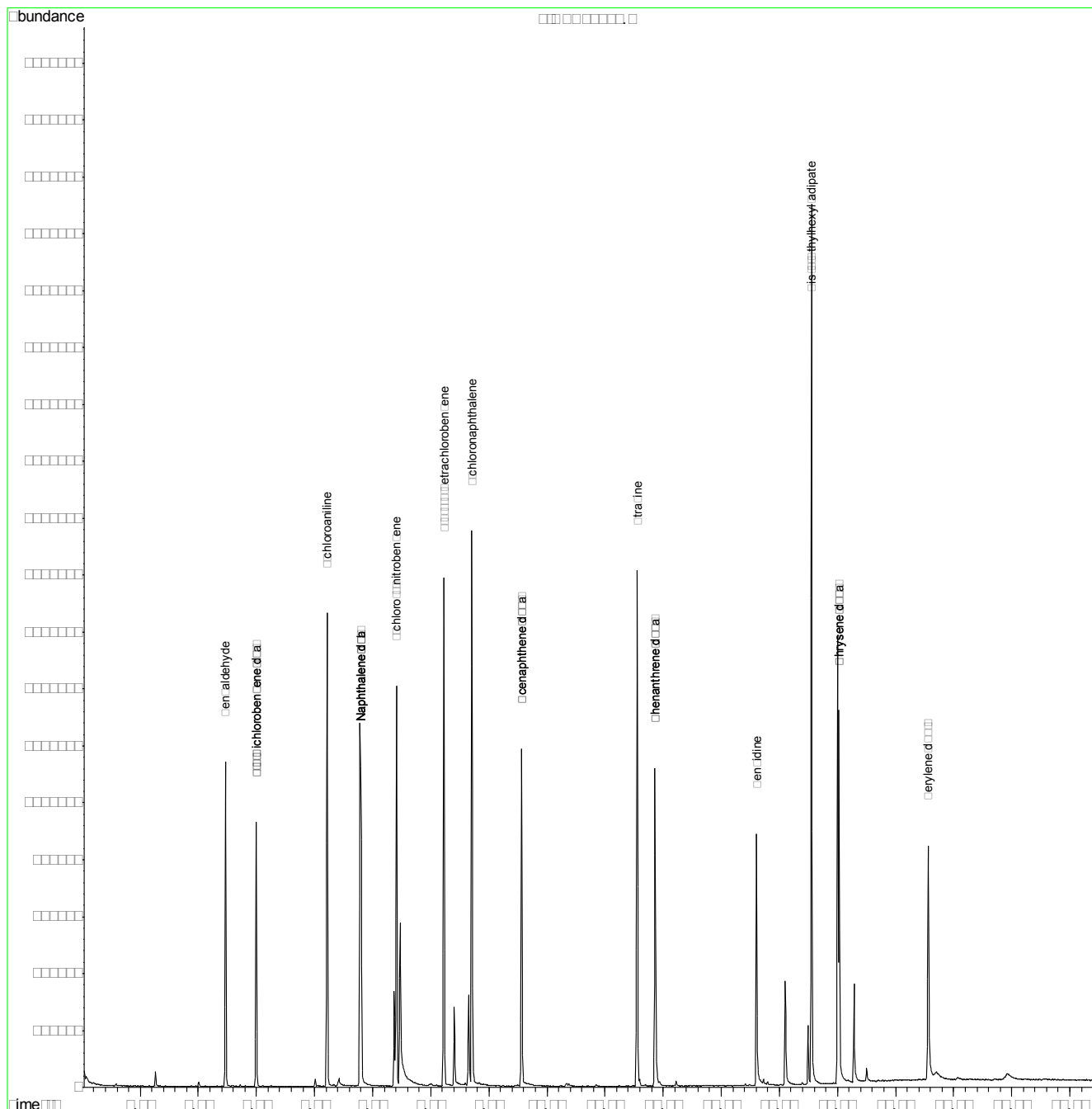
						Qvalue
103) Benzaldehyde	4.47	105	256819	48.60	ppb	99
106) 2-chloroaniline	6.22	127	658616	90.65	ppb	100
107) 1-chloro-2-nitrobenzene	7.41	157	192248	129.35	ppb	97
110) Atrazine	11.56	215	166603	92.14	ppb	98
112) 1,2,4,5-Tetrachlorobenzene	8.23	216	447045	87.98	ppb	99
113) 1-chloronaphthalene	8.71	162	862638	84.26	ppb	99
115) Benizidine	13.61	184	468858	46.46	ppb	100
116) Bis(2-Ethylhexyl)adipate	14.55	129	568365	104.75	ppb	99

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

8.6.41
8

```
Data Path   : C:\MSDCHEM\1\DATA\ep2265\
Data File  : P52549.D
Acq On     : 30 Sep 2010    4:14 pm
Operator   : ninap
Sample     : ic2265-100
Misc       : op45836,ep2265
ALS Vial   : 9      Sample Multiplier: 1
```

Quant Time: Sep 30 17:21:00 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2265.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Thu Sep 30 15:42:31 2010
Response via : Initial Calibration



MP2265.M Fri Oct 01 09:39:45 2010 MSP

Page: 2

8.6.41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52550.D
 Acq On : 30 Sep 2010 4:44 pm
 Operator : ninap
 Sample : icv2264-50
 Misc : op45836,ep2265,acid 2nd source
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 01 10:16:19 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Fri Oct 01 10:15:15 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	197386	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	650536	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	397678	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	614645	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	655424	40.00	ppb	0.00
92) Perylene-d12	16.56	264	562691	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	197386	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	650536	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	614645	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	397678	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	655424	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	650536	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
9) Phenol	4.57	94	444361	46.72	ppb	98
12) 2-Chlorophenol	4.76	128	334616	47.25	ppb	99
19) 2-Methylphenol	5.36	108	280550	48.65	ppb	98
21) 3&4-Methylphenol	5.56	108	279225	45.24	ppb	99
29) 2-Nitrophenol	6.27	139	175485	51.16	ppb	94
30) 2,4-Dimethylphenol	6.33	107	275402	53.76	ppb	98
31) Benzoic Acid	6.49	105	167856	46.25	ppb	97
33) 2,4-Dichlorophenol	6.61	162	227055	48.48	ppb	100
34) 2,6-Dichlorophenol	6.96	162	225087	50.08	ppb	100
43) 4-Chloro-3-methylphenol	7.70	107	247219	49.33	ppb	99
49) 2,4,6-Trichlorophenol	8.39	196	164256	50.55	ppb	97
50) 2,4,5-Trichlorophenol	8.44	196	174049	49.72	ppb	99
60) 2,4-Dinitrophenol	9.70	184	64079	42.78	ppb	96
61) 4-Nitrophenol	9.82	109	70680	44.79	ppb	95
64) 2,3,4,6-Tetrachlorophenol	10.15	232	126832	41.47	ppb	96
70) 4,6-Dinitro-2-methylphenol	10.59	198	105562	47.86	ppb	81
76) Pentachlorophenol	11.69	266	116525	52.21	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\EP2265\
 Data File : P52551.D
 Acq On : 30 Sep 2010 5:14 pm
 Operator : ninap
 Sample : icv2264-50
 Misc : op45836,ep2265,bn 2nd source
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 01 10:43:20 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Fri Oct 01 10:39:10 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	164424	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	613147	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	320892	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	500964	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	445983	40.00	ppb	0.00
92) Perylene-d12	16.57	264	400668	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	164424	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	613147	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	500964	40.00	ppb	0.01
111) Acenaphthene-d10a	9.57	164	320892	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	445983	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	613147	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.25	88	119680	37.82	ppb	98
3) Pyridine	2.49	79	358801	46.44	ppb	98
4) N-Nitrosodimethylamine	2.47	74	213822	45.00	ppb	94
6) Indene	5.37	116	390661	51.51	ppb	98
7) Cumene	4.09	105	646856	49.06	ppb	100
11) bis(2-Chloroethyl)ether	4.68	93	317986	53.92	ppb	99
13) Decane	4.81	43	319187	55.14	ppb	98
14) 1,3-Dichlorobenzene	4.95	146	362810	53.49	ppb	97
15) 1,4-Dichlorobenzene	5.02	146	327484	53.49	ppb	99
16) Benzyl alcohol	5.19	108	202452	53.66	ppb	94
17) 1,2-Dichlorobenzene	5.27	146	326164	54.80	ppb	97
18) Acetophenone	5.56	105	412765	56.62	ppb	90
20) 2,2'-oxybis(1-Chloropropan	5.41	121	96020	52.84	ppb	# 88
22) n-Nitroso-di-n-propylamine	5.60	70	196397	53.00	ppb	97
23) Hexachloroethane	5.69	201	114118	56.51	ppb	97
26) Nitrobenzene	5.81	123	153960	52.71	ppb	96
27) Quinoline	7.34	129	561250	56.29	ppb	98
28) Isophorone	6.14	82	587433	54.52	ppb	99
32) bis(2-Chloroethoxy)methane	6.47	93	381660	58.14	ppb	99
36) 1,2,4-Trichlorobenzene	6.74	180	299059	55.68	ppb	99
38) Naphthalene	6.83	128	765828	49.50	ppb	99
40) 2,3-Dichloroaniline	8.40	161	245743	47.69	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\EP2265\
 Data File : P52551.D
 Acq On : 30 Sep 2010 5:14 pm
 Operator : ninap
 Sample : icv2264-50
 Misc : op45836,ep2265,bn 2nd source
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 01 10:43:20 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Fri Oct 01 10:39:10 2010
 Response via : Initial Calibration

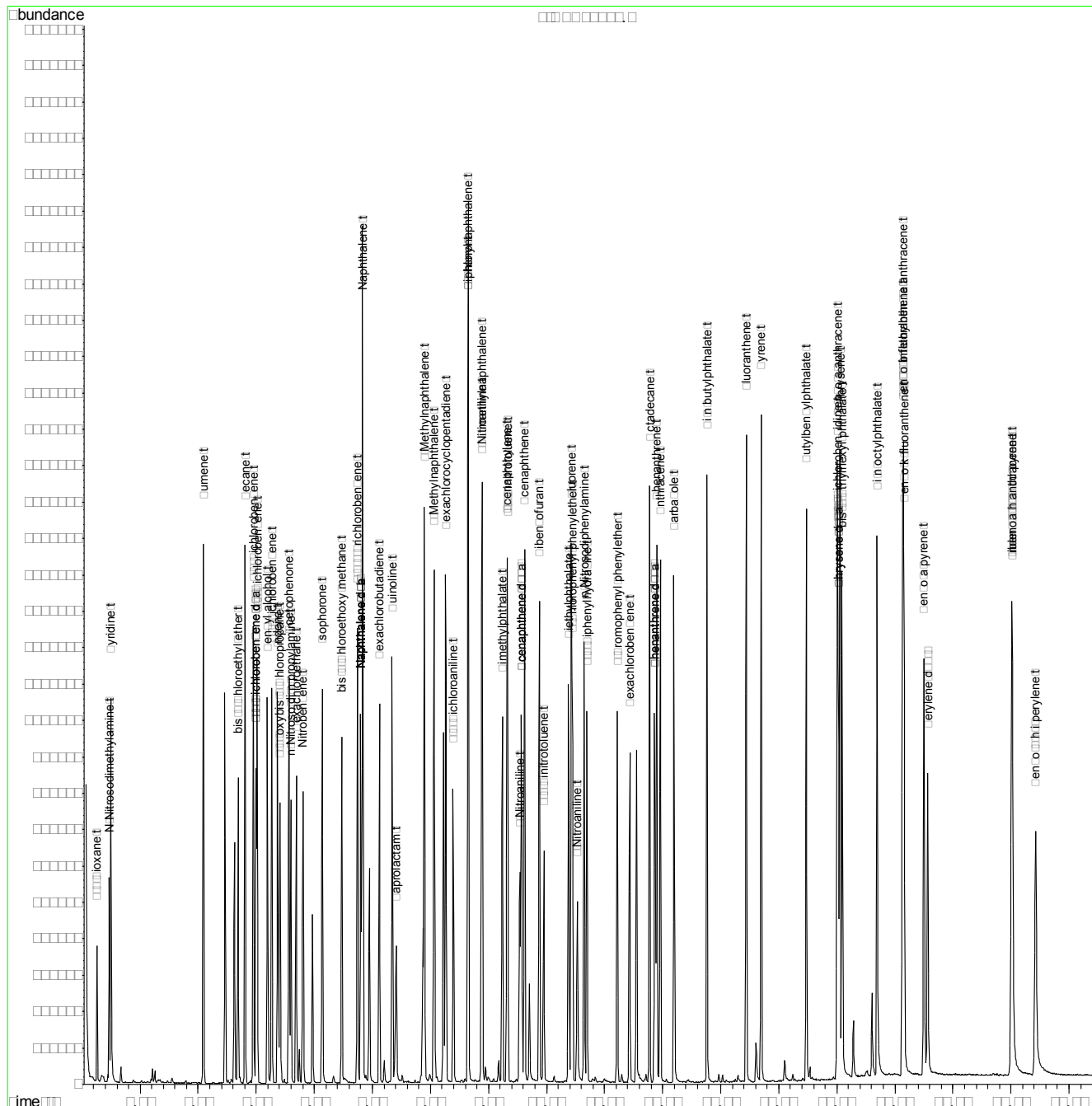
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Caprolactam	7.41	55	116245	43.61	ppb	96
42) Hexachlorobutadiene	7.12	225	154485	59.65	ppb	97
44) 2-Methylnaphthalene	7.90	142	591640	47.48	ppb	99
45) 1-Methylnaphthalene	8.07	142	547995	48.85	ppb	98
46) Dimethylnaphthalene	8.89	156	455115	47.61	ppb	99
48) Hexachlorocyclopentadiene	8.26	237	276409	133.65	ppb	99
52) 2-Chloronaphthalene	8.65	162	494547	53.82	ppb	98
53) Biphenyl	8.65	154	627935	53.40	ppb	99
54) 2-Nitroaniline	8.88	65	151790	55.08	ppb	99
55) Dimethylphthalate	9.24	163	597635	52.31	ppb	99
56) Acenaphthylene	9.32	152	717843	46.45	ppb	100
57) 2,6-Dinitrotoluene	9.33	89	60654	51.69	ppb	96
58) 3-Nitroaniline	9.54	138	125616	44.23	ppb	100
59) Acenaphthene	9.62	153	479311	53.45	ppb	99
62) Dibenzofuran	9.88	168	705909	51.96	ppb	88
63) 2,4-Dinitrotoluene	9.95	165	166382	53.01	ppb	99
65) Diethylphthalate	10.38	149	591229	52.08	ppb	100
66) Fluorene	10.43	166	564156	51.48	ppb	99
67) 4-Chlorophenyl-phenylether	10.44	204	239891	50.14	ppb	98
68) 4-Nitroaniline	10.53	138	138845	47.58	ppb	96
71) n-Nitrosodiphenylamine	10.65	169	399214	52.98	ppb	99
72) 1,2-Diphenylhydrazine	10.69	77	513692	53.87	ppb	100
74) 4-Bromophenyl-phenylether	11.22	248	166269	55.26	ppb	98
75) Hexachlorobenzene	11.43	284	167033	54.25	ppb	97
77) Phenanthrene	11.90	178	719865	53.34	ppb	99
78) Anthracene	11.96	178	716173	51.54	ppb	100
79) Carbazole	12.20	167	738874	52.85	ppb	98
80) Di-n-butylphthalate	12.76	149	975159	54.37	ppb	100
81) Fluoranthene	13.44	202	876954	52.00	ppb	96
82) Octadecane	11.77	57	379177	56.58	ppb	99
84) Pyrene	13.70	202	848529	54.31	ppb	99
87) Butylbenzylphthalate	14.47	149	417458	59.39	ppb	94
88) Benzo[a]anthracene	15.02	228	703008	53.90	ppb	99
89) 3,3'-Dichlorobenzidine	15.00	252	226575	44.77	ppb	99
90) Chrysene	15.06	228	632711	52.76	ppb	99
91) bis(2-Ethylhexyl)phthalate	15.10	149	437363	57.04	ppb	99
93) Di-n-octylphthalate	15.69	149	872608	56.45	ppb	99
94) Benzo[b]fluoranthene	16.13	252	745473	59.20	ppb	100
95) Benzo[k]fluoranthene	16.16	252	558813	52.69	ppb	99
96) Benzo[a]pyrene	16.50	252	661082	56.93	ppb	97
97) Indeno[1,2,3-cd]pyrene	18.01	276	760489	59.11	ppb	92
99) Dibenz[a,h]anthracene	18.02	278	617697	59.11	ppb	98
100) 7,12-Dimethylbenz(a)anthra	16.14	256	288337	56.75	ppb	99
101) Benzo[g,h,i]perylene	18.43	276	655333	57.05	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\EP2265\
Data File : P52551.D
Acq On : 30 Sep 2010 5:14 pm
Operator : ninap
Sample : icv2264-50
Misc : op45836,ep2265,bn 2nd source
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 01 10:43:20 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Fri Oct 01 10:39:10 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52551a.D
 Acq On : 30 Sep 2010 5:14 pm
 Operator : ninap
 Sample : icv2265-50
 Misc : op45836,ep2265,bn 2nd source
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 01 10:40:53 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Fri Oct 01 10:39:10 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	164424	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	613147	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	320892	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	500964	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	445983	40.00	ppb	0.00
92) Perylene-d12	16.57	264	400668	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	164424	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	613147	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	500964	40.00	ppb	0.01
111) Acenaphthene-d10a	9.57	164	320892	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	445983	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	613147	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0d	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
103) Benzaldehyde	4.46	105	243257	57.29	ppb	98
110) Atrazine	11.55	215	77776	52.24	ppb	96
112) 1,2,4,5-Tetrachlorobenzene	8.23	216	243608	58.10	ppb	99

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

8.6.44

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52552.D
 Acq On : 30 Sep 2010 5:44 pm
 Operator : ninap
 Sample : icv2264-50
 Misc : op45836,ep2265,bn 2nd source
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 01 10:26:10 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Fri Oct 01 10:14:26 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	232341	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	861094	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	434061	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	762148	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	808891	40.00	ppb	0.00
92) Perylene-d12	16.57	264	684924	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	232341	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	861094	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	762148	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	434061	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	808891	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	861094	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
10) Aniline	4.63	93	617040	49.86	ppb	91
39) 4-Chloroaniline	6.95	127	434560	45.54	ppb	99

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

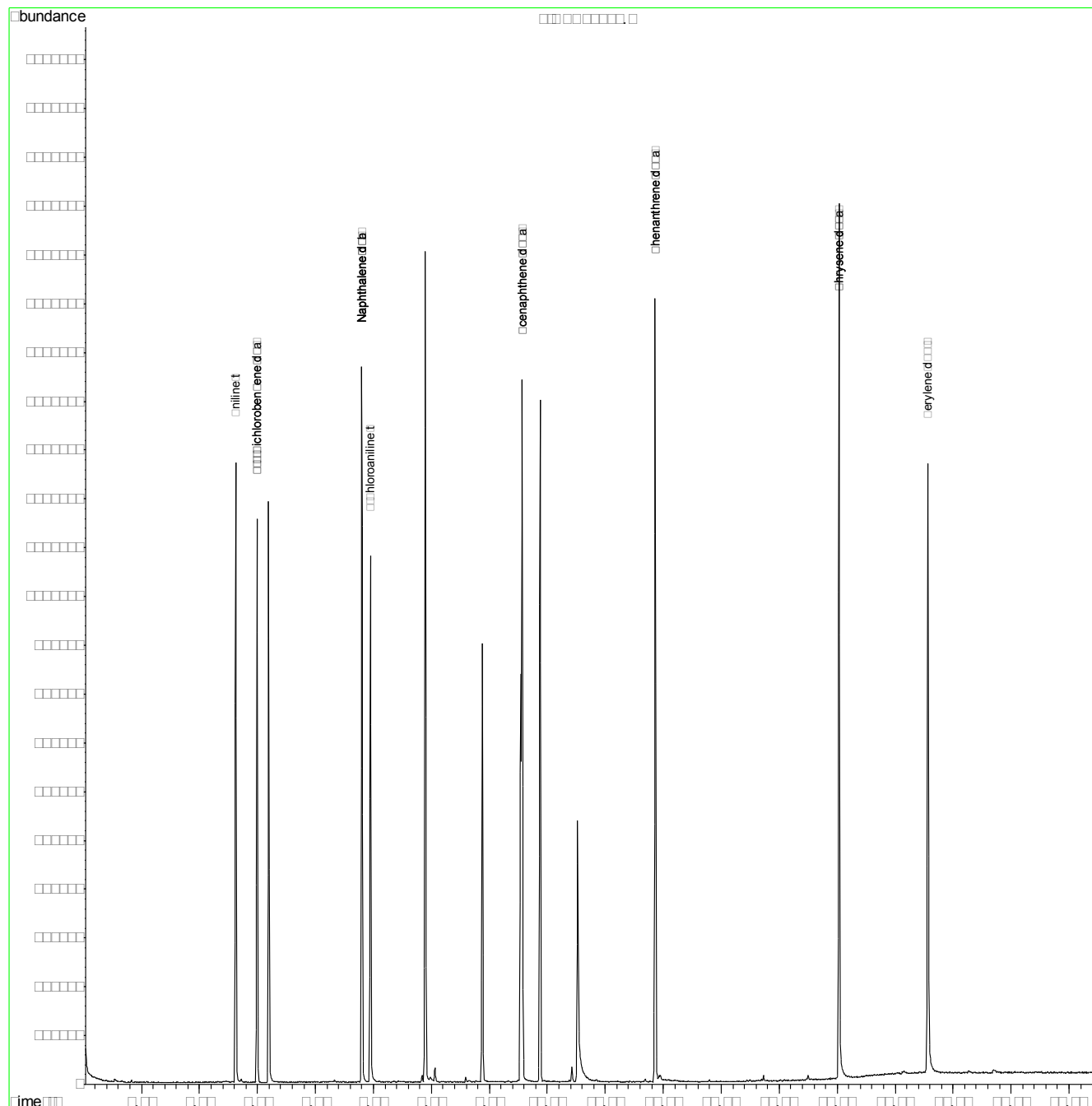
86.45

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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
Data File : P52552.D
Acq On : 30 Sep 2010 5:44 pm
Operator : ninap
Sample : icv2264-50
Misc : op45836,ep2265,bn 2nd source
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 01 10:26:10 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Fri Oct 01 10:14:26 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
 Data File : P52553.D
 Acq On : 30 Sep 2010 6:13 pm
 Operator : ninap
 Sample : icv2265-50
 Misc : op45836,ep2265,bn 3rd source
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 01 10:27:58 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Fri Oct 01 10:14:26 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.99	152	231897	40.00	ppb	0.00
24) Naphthalene-d8	6.80	136	767231	40.00	ppb	0.00
47) Acenaphthene-d10	9.57	164	453733	40.00	ppb	0.00
69) Phenanthrene-d10	11.86	188	731398	40.00	ppb	0.00
83) Chrysene-d12	15.03	240	636564	40.00	ppb	0.00
92) Perylene-d12	16.57	264	620944	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.99	152	231897	40.00	ppb	0.00
104) Naphthalene-d8a	6.80	136	767231	40.00	ppb	0.00
109) Phenanthrene-d10a	11.86	188	731398	40.00	ppb	0.00
111) Acenaphthene-d10a	9.57	164	453733	40.00	ppb	0.00
114) Chrysene-d12a	15.03	240	636564	40.00	ppb	0.00
117) Naphthalene-d8b	6.80	136	767231	40.00	ppb	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
115) Benzidine	13.61	184	950774	81.12	ppb	99

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

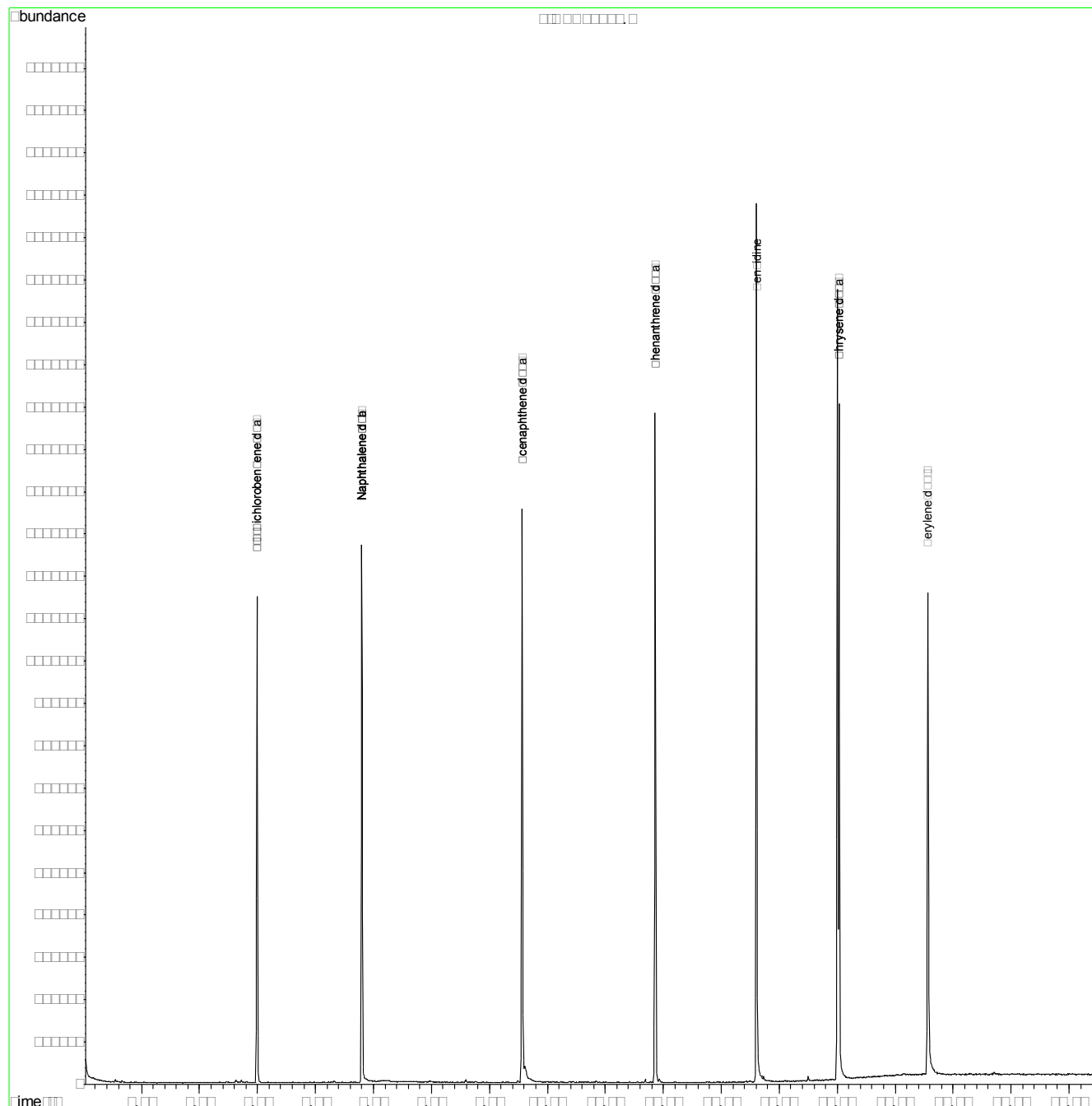
8.6.46

8

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2265\
Data File : P52553.D
Acq On : 30 Sep 2010 6:13 pm
Operator : ninap
Sample : icv2265-50
Misc : op45836,ep2265,bn 3rd source
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 01 10:27:58 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Fri Oct 01 10:14:26 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52846.D
 Acq On : 14 Oct 2010 7:46 am
 Operator : ninap
 Sample : cc2264-25
 Misc : op46061,ep2277
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 08:31:10 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.95	152	142481	40.00	ppb	-0.05
24) Naphthalene-d8	6.75	136	528634	40.00	ppb	-0.06
47) Acenaphthene-d10	9.51	164	308291	40.00	ppb	-0.06
69) Phenanthrene-d10	11.82	188	505204	40.00	ppb	-0.05
83) Chrysene-d12	14.99	240	465258	40.00	ppb	-0.05
92) Perylene-d12	16.51	264	393316	40.00	ppb	-0.06
102) 1,4-Dichlorobenzene-d4a	4.95	152	142481	40.00	ppb	-0.05
104) Naphthalene-d8a	6.75	136	528634	40.00	ppb	-0.06
109) Phenanthrene-d10a	11.82	188	505204	40.00	ppb	-0.03
111) Acenaphthene-d10a	9.51	164	308291	40.00	ppb	-0.06
114) Chrysene-d12a	14.99	240	465258	40.00	ppb	-0.05
117) Naphthalene-d8b	6.75	136	528634	40.00	ppb	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	3.51	112	133505	22.73	ppb	-0.03
Spiked Amount	50.000		Recovery	=	45.46%	
8) Phenol-d5	4.54	99	170825	24.11	ppb	-0.03
Spiked Amount	50.000		Recovery	=	48.22%	
25) Nitrobenzene-d5	5.73	82	129370	24.08	ppb	-0.06
Spiked Amount	50.000		Recovery	=	48.16%	
51) 2-Fluorobiphenyl	8.46	172	253610	23.84	ppb	-0.06
Spiked Amount	50.000		Recovery	=	47.68%	
73) 2,4,6-Tribromophenol	10.79	330	32039	26.59	ppb	-0.05
Spiked Amount	50.000		Recovery	=	53.18%	
86) Terphenyl-d14	13.85	244	254657	25.00	ppb	-0.05
Spiked Amount	50.000		Recovery	=	50.00%	

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.20	88	60829	22.18	ppb	99
3) Pyridine	2.45	79	149862	22.38	ppb	97
4) N-Nitrosodimethylamine	2.42	74	93339	22.67	ppb	96
6) Indene	5.32	116	164704	25.06	ppb	97
7) Cumene	4.04	105	270583	23.68	ppb	98
9) Phenol	4.55	94	179613	26.16	ppb	98
10) Aniline	4.58	93	169853	22.38	ppb	84
11) bis(2-Chloroethyl)ether	4.64	93	116964	22.89	ppb	98
12) 2-Chlorophenol	4.72	128	123153	24.09	ppb	98
13) Decane	4.75	43	136614	27.24	ppb	94
14) 1,3-Dichlorobenzene	4.90	146	137253	23.35	ppb	99
15) 1,4-Dichlorobenzene	4.96	146	128246	24.17	ppb	97
16) Benzyl alcohol	5.15	108	81871	25.04	ppb	99
17) 1,2-Dichlorobenzene	5.21	146	123350	23.92	ppb	97
18) Acetophenone	5.51	105	157607	24.95	ppb	94
19) 2-Methylphenol	5.33	108	103016	24.75	ppb	98
20) 2,2'-oxybis(1-Chloropropan	5.36	121	35582	22.60	ppb	# 77
21) 3&4-Methylphenol	5.53	108	107992	24.24	ppb	98
22) n-Nitroso-di-n-propylamine	5.54	70	77263	24.06	ppb	96
23) Hexachloroethane	5.63	201	42207	24.12	ppb	98
26) Nitrobenzene	5.75	123	59939	23.80	ppb	96
27) Quinoline	7.30	129	217941	25.35	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52846.D
 Acq On : 14 Oct 2010 7:46 am
 Operator : ninap
 Sample : cc2264-25
 Misc : op46061,ep2277
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 08:31:10 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Isophorone	6.08	82	232721	25.05	ppb	96
29) 2-Nitrophenol	6.22	139	71739	25.74	ppb	89
30) 2,4-Dimethylphenol	6.29	107	105204	25.27	ppb	95
31) Benzoic Acid	6.45	105	80147	24.77	ppb	98
32) bis(2-Chloroethoxy)methane	6.42	93	137657	24.32	ppb	100
33) 2,4-Dichlorophenol	6.57	162	101018	26.54	ppb	98
34) 2,6-Dichlorophenol	6.91	162	92947	25.45	ppb	99
35) 1,3,5-Trichlorobenzene	6.23	180	108280	23.39	ppb	98
36) 1,2,4-Trichlorobenzene	6.69	180	108248	23.38	ppb	95
37) 1,2,3-Trichlorobenzene	7.06	180	97960	23.59	ppb	96
38) Naphthalene	6.78	128	323861	24.28	ppb	99
39) 4-Chloroaniline	6.90	127	142726	24.36	ppb	97
40) 2,3-Dichloroaniline	8.34	161	112791	25.39	ppb	99
41) Caprolactam	7.37	55	57483	25.62	ppb	98
42) Hexachlorobutadiene	7.06	225	53629	24.02	ppb	97
43) 4-Chloro-3-methylphenol	7.68	107	112283	27.57	ppb	99
44) 2-Methylnaphthalene	7.84	142	256748	23.90	ppb	99
45) 1-Methylnaphthalene	8.01	142	235354	24.34	ppb	99
46) Dimethylnaphthalene	8.84	156	202817	24.61	ppb	99
48) Hexachlorocyclopentadiene	8.21	237	100739	50.70	ppb	99
49) 2,4,6-Trichlorophenol	8.34	196	70743	28.08	ppb	96
50) 2,4,5-Trichlorophenol	8.41	196	72744	26.80	ppb	98
52) 2-Chloronaphthalene	8.60	162	206477	23.39	ppb	98
53) Biphenyl	8.60	154	274259	24.28	ppb	99
54) 2-Nitroaniline	8.83	65	71838	27.14	ppb	97
55) Dimethylphthalate	9.18	163	260463	23.73	ppb	100
56) Acenaphthylene	9.27	152	366134	24.66	ppb	99
57) 2,6-Dinitrotoluene	9.28	89	28904	25.64	ppb	93
58) 3-Nitroaniline	9.50	138	70555	25.86	ppb	99
59) Acenaphthene	9.56	153	211491	24.55	ppb	99
60) 2,4-Dinitrophenol	9.66	184	58158	48.75	ppb	98
61) 4-Nitrophenol	9.82	109	30999	23.32	ppb	# 1
62) Dibenzofuran	9.82	168	313508	24.02	ppb	71
63) 2,4-Dinitrotoluene	9.90	165	77769	25.79	ppb	89
64) 2,3,4,6-Tetrachlorophenol	10.11	232	61834	26.08	ppb	98
65) Diethylphthalate	10.32	149	263653	24.17	ppb	98
66) Fluorene	10.37	166	255279	24.25	ppb	99
67) 4-Chlorophenyl-phenylether	10.39	204	112327	24.44	ppb	99
68) 4-Nitroaniline	10.48	138	69408	24.76	ppb	97
70) 4,6-Dinitro-2-methylphenol	10.56	198	47927	26.44	ppb	97
71) n-Nitrosodiphenylamine	10.59	169	183266	24.12	ppb	100
72) 1,2-Diphenylhydrazine	10.64	77	235360	24.48	ppb	97
74) 4-Bromophenyl-phenylether	11.16	248	75258	24.80	ppb	98
75) Hexachlorobenzene	11.37	284	74952	24.14	ppb	97
76) Pentachlorophenol	11.66	266	94308	51.41	ppb	97
77) Phenanthrene	11.84	178	328518	24.14	ppb	99
78) Anthracene	11.91	178	338792	24.18	ppb	98
79) Carbazole	12.15	167	344193	24.41	ppb	99
80) Di-n-butylphthalate	12.71	149	464719	25.69	ppb	99
81) Fluoranthene	13.39	202	412381	24.25	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
 Data File : P52846.D
 Acq On : 14 Oct 2010 7:46 am
 Operator : ninap
 Sample : cc2264-25
 Misc : op46061,ep2277
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 08:31:10 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

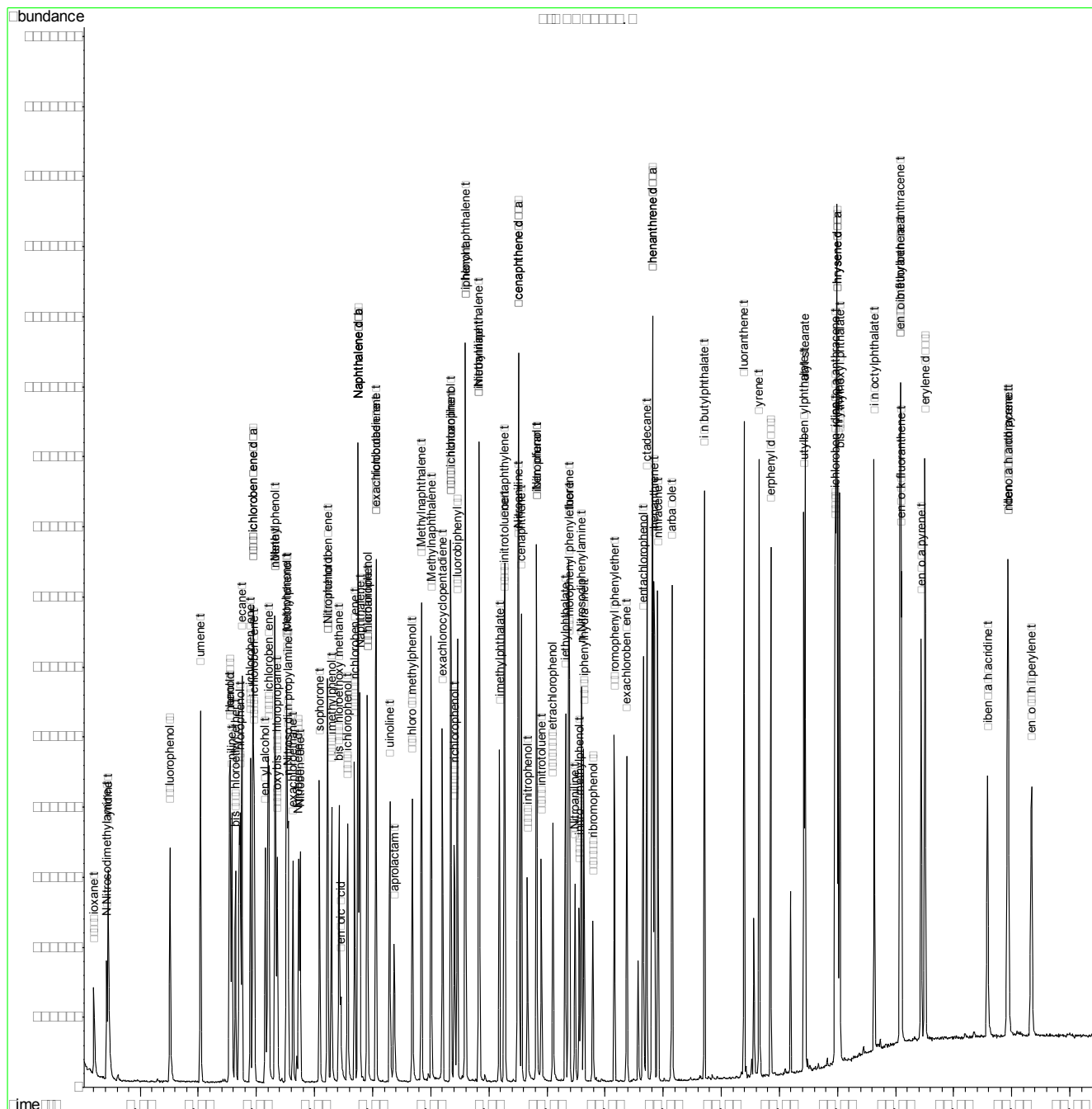
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Octadecane	11.72	57	182829	27.05	ppb	96
84) Pyrene	13.65	202	405552	24.88	ppb	97
85) Butyl stearate	14.45	56	137136	27.90	ppb	95
87) Butylbenzylphthalate	14.42	149	196312	26.77	ppb	97
88) Benzo[a]anthracene	14.97	228	325928	23.95	ppb	99
89) 3,3'-Dichlorobenzidine	14.95	252	136619	25.88	ppb	98
90) Chrysene	15.01	228	296833	23.73	ppb	99
91) bis(2-Ethylhexyl)phthalate	15.04	149	228258	28.54	ppb	99
93) Di-n-octylphthalate	15.63	149	411990	27.22	ppb	98
94) Benzo[b]fluoranthene	16.07	252	321942	26.05	ppb	99
95) Benzo[k]fluoranthene	16.10	252	258008	21.28	ppb	99
96) Benzo[a]pyrene	16.44	252	277738	24.37	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.93	276	319655	25.31	ppb	93
98) Dibenz(a,h)acridine	17.59	279	247124	26.00	ppb	99
99) Dibenz[a,h]anthracene	17.94	278	269603	26.28	ppb	97
100) 7,12-Dimethylbenz(a)anthra	16.09	256	121916	24.44	ppb	99
101) Benzo[g,h,i]perylene	18.34	276	275254	24.41	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\ep2277\
Data File : P52846.D
Acq On : 14 Oct 2010 7:46 am
Operator : ninap
Sample : cc2264-25
Misc : op46061,ep2277
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 08:31:10 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\EP2277\
 Data File : P52847.D
 Acq On : 14 Oct 2010 8:16 am
 Operator : ninap
 Sample : cc2265-50
 Misc : op46061,ep2277
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 14 08:41:30 2010
 Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
 Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
 QLast Update : Tue Oct 12 12:19:52 2010
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.94	152	170261	40.00	ppb	-0.06
24) Naphthalene-d8	6.75	136	628510	40.00	ppb	-0.06
47) Acenaphthene-d10	9.51	164	357328	40.00	ppb	-0.06
69) Phenanthrene-d10	11.81	188	555880	40.00	ppb	-0.05
83) Chrysene-d12	14.98	240	499898	40.00	ppb	-0.05
92) Perylene-d12	16.50	264	423149	40.00	ppb	-0.07
102) 1,4-Dichlorobenzene-d4a	4.94	152	170261	40.00	ppb	-0.06
104) Naphthalene-d8a	6.75	136	628510	40.00	ppb	-0.06
109) Phenanthrene-d10a	11.81	188	555880	40.00	ppb	-0.04
111) Acenaphthene-d10a	9.51	164	357328	40.00	ppb	-0.06
114) Chrysene-d12a	14.98	240	499898	40.00	ppb	-0.05
117) Naphthalene-d8b	6.75	136	628510	40.00	ppb	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
8) Phenol-d5	0.00	99	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
25) Nitrobenzene-d5	0.00	82	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
51) 2-Fluorobiphenyl	0.00	172	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	
86) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

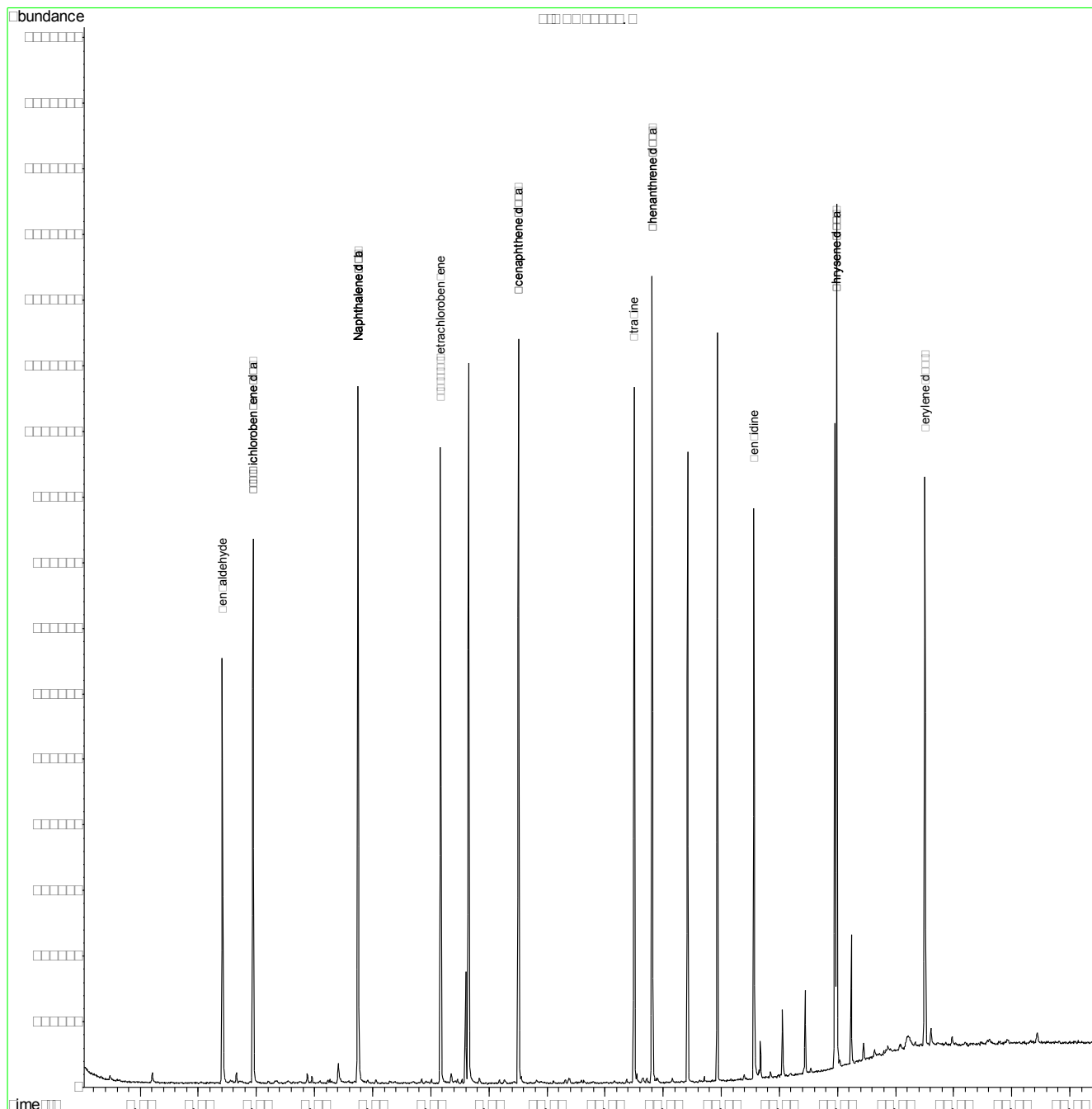
						Qvalue
103) Benzaldehyde	4.41	105	163852	37.27	ppb	95
110) Atrazine	11.51	215	85468	51.73	ppb	94
112) 1,2,4,5-Tetrachlorobenzene	8.17	216	233206	49.95	ppb	100
115) Benzidine	13.56	184	401856	51.66	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\EP2277\
Data File : P52847.D
Acq On : 14 Oct 2010 8:16 am
Operator : ninap
Sample : cc2265-50
Misc : op46061,ep2277
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 14 08:41:30 2010
Quant Method : C:\MSDCHEM\1\METHODS\MP2264.M
Quant Title : SEMI-VOA METHOD. ColumnZB-5ms 30mX0.25mmIDX0.25u
QLast Update : Tue Oct 12 12:19:52 2010
Response via : Initial Calibration



Analyst Signature: DA

10-11-10

Standard Data

Lot #	Description	Conc.
10521-62	BUA	5µm
-80G	↓	2µm
-80H	↓	1µm
80915	IS	1000µm

Standard Data

Lot #	Description	Conc.
10521-62	BUA	50µm
-80A	BUA	100µm
-80B	↓	80µm
-80C	↓	50µm
-80D	↓	25µm
-80E	↓	10µm

Columns: 7B-Quasi (15m x 0.25mm x 0.25µm)

Method 8740

Initial Cal. Method W3E1331

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/22/10

Data File	Sample ID	Ext. Batch	Test	M T X	ALS #	Dilutio n.	L +	I S	S U	Status (Data)	Comments
3E 30083	8F1PP			W	1					OK	3:38µm
30084	1C1331-2				2					OK	
30085	1C1331-100				3					OK	
30086	1C1331-80				4					OK	
30087	1C1331-1				5					OK	
30088	1C1331-5				6					OK	
30089	1C1331-10				7					OK	
30090	1C1331-25				8					OK	
30091	1C1331-50				9					OK	

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

Rev. Date: 1/16/2006

Date: 10-11-10

 Analyst Signature: OA
Standard Data

Lot #	Description	Conc.
SV10524-97E	TCY2	10µg
-97F		5µg
-97G		2µg
-97H		1µg

Standard Data

Lot #	Description	Conc.
CF0915	IS	400µg
SV10524-67	QATPP	50µg
-97A	TCY2	100µg
-97B		80µg
-97C		50µg
-97D		25µg

 Columns: 2B - 0.25µm / 15m x 0.25mm x 0.25µm

 Method: 820

 Initial Cal. Method: M 3E 1331

 Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

 Supervisor Signature: [Signature]

 Date: 10/12/10

R	Data File	Sample ID	Ext. Batch	Test	M T X	ALS #	Dilutio n.	L +	I S	S U	Status (Data)	Comments
	3E30092	QATPP			W	1					OK	7:32 pm
	30093	1C1332-100		TCY2		10					OK	
	30094	1C1332-80				11					OK	
	30095	1C1332-50				12					OK	
	30096	1C1332-25				13					OK	
	30097	1C1332-10				14					OK	
	30098	1C1332-5				15					OK	
	30099	1C1332-2				16					OK	
	30100	1C1332-1				17					OK	
	30101	1CV1331-SD		acids		18					OK	SV10-521-27
	30102	1CV1331-SD		bns		19					OK	SV10-521-83
	30103	1CV1331-SD		3rd		20					OK	SV10-521-85
	30104	1CV1332-SD		benz		21					OK	SV10-521-88

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

Rev. Date: 1/16/2006

Date: 10-12-10

Analyst Signature: DA
Standard Data
Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
SV10521-62	DETPP	50 <u>ppm</u>
-802	BDA	25 <u>ppm</u>
-970	TC142	50 <u>ppm</u>
CA0915	IS	400 <u>ppm</u>

Columns: 2b-8u3 (15m x 0.25 mm x 0.25 μ m)

Method 820

Initial Cal. Method m 3E 1331

Injection Volume: 1 μ l

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/3/10

R	Data File	Sample ID	Ext. Batch	Test	M T X	ALS #	Dilutio n.	L +	I S	S U	Status (Data)	Comments
	3E 30105	DETPP			W	1					<u>OK</u>	9:28 am
	30106	CA1331-25				2					<u>OK</u>	
	30107	DE1332-SD		TC142		3					<u>OK</u>	
	30108	CP46062-MB1	46062-1	ABU	S	4		+	/	/	<u>OK</u>	
	30109	-151				5			/	/	<u>OK</u>	
	30110	-115				6			/	/	<u>OK</u>	
	30111	-115D				7			/	/	<u>OK</u>	
	30112	JA58117-4A		ABU cell+		8		+	/	/	<u>OK</u>	
	30113	-1A				9		+	/	/	<u>OK</u>	
	30114	-2A				10		+	/	/	<u>OK</u>	
	30115	-3A				11		+	/	/	<u>OK</u>	
	30116	-5A				12		+	/	/	<u>OK</u>	
	30117	-6A				13		+	/	/	<u>OK</u>	
	30118	-7A				14		+	/	/	<u>OK</u>	
	30119	-11A				15		+	/	/	<u>OK</u>	
	30120	-12A				16		+	/	/	<u>OK</u>	
	30121	-13A				17		+	/	/	<u>OK</u>	

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

29

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

Rev. Date: 1/16/2006

Batch ID: E3E1333

Date: 10-12-10

Analyst Signature: DA

[illegible]

Standard Data		
Lot #	Description	Conc.
C60915	IS	4000/4

Columns: ZBTHSI / 15TH KO. & 14TH KO.

Method 8272

Initial Cal. Method *WJE 1331*

Injection Volume: 1 ml

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature:

Date: 10-13-70

Supervisor Signature: _____												
R	Data File	Sample ID	Ext. Batch	Test	M T X	ALS #	Dilution n.	L +	I S	S U	Status (Data)	Comments
	3E30122	JA58117-8A	46062-1	ALSTC111+	S	18		+	/	/	OK	
	30120	-10A				19		+	/	/	OK	
	30124	-9A				20		+	/	/	OK	
	30125	-14A				21		+	/	/	OK	
	30126	-15A				22		+	/	/	OK	
	30127	JA58113-2		ALSTC1		23			/	/	OK	9:12 pm
	30128	-3				24			/	/	PR	outside 12:45 PR 1:5 9:37 pm
	30129	-4				25			/	/	PR	PR 1:10 10:01 pm
	30130	OP46111-MB1	46111-1	ALSN		26		+	/	/	OK	Row after 3E30115
	30131	-B31				27			/	/	OK	
	30132	JA58505-2A		ALSTC111+		28		+	/	/	OK	
	30133	-3A				29		+	/	/	OK	
	30134	-4A				30		+	/	/	OK	
	30135	-5A				31		+	/	/	OK	
	30136	-6A				32		+	/	/	OK	

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

ev, Date: 1/16/2006



ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E 1334

Date: 10-13-10

Analyst Signature: DA

Standard Data

Standard Data

Lot #	Description	Conc.

Lot #	Description	Conc.
SV1052-67	DETH	50ppm
-802	BWA	25ppm
-97C	TC142	50ppm
CF0915	IS	1000ppm

Columns: 25m SDB (15m 20.25m 20.25m)

Method 8270

Initial Cal. Method M3E1331

Injection Volume: 1 µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/14/10

R	Data File	Sample ID	Ext. Batch	Test	M T X	ALS #	Dilutio n.	L +	I S	S U	Status (Data)	Comments
	3E30137	DETH			W	1					OK	9:09 OK
	30138	CE 1331-25				2					OK	
	30139	CE 1332-50		TC142		3					OK	
	30140	OP46092-MB1	460924	ABN	S	4		+	/	/	OK	
	30141	-B31				5			/	/	OK	
	30142	OP46111-MS	46111-1	ABN		6			/	/	OK	
	30143	-M140				7			/	/	OK	
	30144	JA585057A		BTC111+		8		+	/	/	OK	
	30145	JA58315-1	460924	Star		9			/	/	OK	
	30146	-2				10			/	/	OK	
	30147	-4				11			/	/	OK	
	30148	JA58416-1		Star		12			/	/	OK	
	30149	-2				13			/	/	OK	
	30150	-3				14			/	/	OK	
	30151	-4				15			/	/	OK	
	30152	-5				16			/	/	OK	
	30153	JA58315-3		Star		17			/	/	OK	

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

33

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

Rev Date: 1/16/2006

Date: 10-13-10

Analyst Signature: QA

Standard Data

[illegible]

Standard Data

Lot #	Description	Conc.
FC915	IS	4000pp
RC433	new HW	—

Column: 2B-sub; (15m x 0.25m x 0.25m)

Method 8240

Initial Cal. Method 243E 1331

Injection Volume: 1 ml

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature:

Date: 10-11-10

[illegible]

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

ev. Date: 1/16/2006

35

Batch ID: EP2264

Date: 9/30/10

Analyst Signature: [Signature]

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
44052117	DEAPP	80ppm
CF0915	J.S.	100ppm
DC347	Merk (Honeywell)	

Columns: 78 cm; (30m x 25mm x 25

Method 8270/1625

Initial Cal. Method MP2264

Injection Volume: 1.24

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 05-20-20

[illegible]

TX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

153

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

ev. Date: 1/16/2006

Batch ID: EP2265

Date: 9/30/10

Analyst Signature: Re

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
9W10-Q147	DE-10P	50ppm
CF0915	I.S.	100ppm
DC347	NeelChonyuall	

Columns: 2mm i.d. (30m x 25mm x 2)

Method: 8270/625

Initial Cal. Method: MP2264

Injection Volume: 1ul

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 09/30/10

R	Data File	Sample ID	Ext. Batch	Test	M T X	ALS #	Dilution n.	L +	I S	S U	Status (Data)	Comments
	P52541	DF-10P				1					all	12-33 PM
	P52542	ICV2265-50		TEL42		2					all	SV10-521-26C
	P52543	ICV2265-1				3					all	SV10-521-26 H
	P52544	-2				4					all	SV10-521-26 C
	P52545	-5				5					all	SV10-521-26 F
	P52546	-10				6					all	SV10-521-26 E
	P52547	-25				7					all	SV10-521-26 D
	P52548	-80				8					all	SV10-521-26 B
	P52549	-100				9					all	SV10-521-26 A
	P52550	ICV2264-50				10					all	SV10-521-27 (Acid)
	P52551	ICV2264-50				11					all	SV10-521-83 (Bul+2)
	P52552	ICV2264-50				12					all	SV10-521-85 (3rd Sand)
	P52553	ICV2265-50				13					all	SV10-521-88 (3rd Sand)
	P52554	ICV2264-50				14					not needed	SV10-521-89

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

155

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

Rev. Date: 1/16/2006

Date: 10/14/10

Analyst Signature: slu

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
52767	DF4PP	50ppm
90	BAW SW	25ppm
93	TL242	50ppm
1E0915	I.S.	1000ppm
DL362	Mech/Choregraph	

Columns: 205ms (30m x 0.25mm x 0.25)

Method: 8270/625

Initial Cal. Method: MP 2264

Injection Volume: 1.0u

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: [Signature]

Date: 10/15/10

R	Data File	Sample ID	Ext. Batch	Test	M T X	ALS #	Dilution	L +	I S	S U	Status (Data)	Comments
	P52845	DF4PP				1					all	7:32 am
	P52846	CL2264-25				2					all	
	P52847	CL2265-50		TL242		3					all	
	P52848	BAW spike #2		test		4			✓	-	all	OP10-420-140 separate only
	P52849	OP46138-MBI	46138-1	ABW	W	5		-	✓	✓	all	Surrogate at spiked
	P52850	-BS1				6			✓	✓	all	↓
	P52851	JA58624-1		BT121		7			✓	✓	all	↓
	P52852	-3				8			✓	✓	all	↓
	P52853	JA58043-5		AB712		9			✓	✓	all	↓
	P52854	JA58499-1		AB52		10			✓	✓	all	↓
	P52855	OP46138-MB		ABW		11			✓	✓	all	↓
	P52856	-MUD				12			✓	✓	all	↓
	P52857	JA58499-2		AB52		13			✓	✓	all	↓
	P52858	-3				14			✓	✓	all	↓
	P52859	JA58204-100		AB52		15			✓	✓	all	↓
	P52860	JA58244-2A	46079-1	AB712114	S	16			✓	✓	all	
	P52861	-6A				17			✓	✓	all	Send to R&D NO for Surrogate

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

Rev. Date: 1/16/2006

Batch ID: EP2277Cont

Date: 10/14/10

Analyst Signature: [Signature]

Standard Data

[illegible]

Standard Data

[illegible]

Columns: 703 mg, C_{25H₃₆} ^{20m x .25mm x .25}
9/11/14

Method 92-10 / 635

Initial Cal. Method MP2264

Injection Volume: 1.0 ml

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

Supervisor Signature: _____

Date: 12/5/20[illegible]

TX = Matrix. Designate W for water, S for soil, O for oil. L+ = Library Search. IS = Internal Standard Area. SU = Surrogate.

Sample volume/weight used and final volumes refer to extraction log.

All strikeouts must be initialed, dated and reason code applied as follows:

1 = reviewer correction error; 2 = transcription error; 3 = computer miscalculation; 4 = analyst's correction error

Form: OR015-05

Rev. Date: 1/16/2006

OS-1X3

BAL ID

6-3


ACCUTEST.
ACCUTEST.
ACCUTEST.

ACCUTEST.

ACCUTEST. **SOLID.**

ACCUTEST:

SOLID/LIQUID

ACCUTEST: SOLID/LIQUID EX

ACCUTEST: **SOLID/LIQUID EXTRACT**

ACCUTEST:  **SOLID/LIQUID EXTRACTION**

ACCUTEST:

SOLID/LIQUID EXTRACTION

ACCUTEST.
SOLID/LIQUID EXTRACTION

ACCUTEST: **SOLID/LIQUID EXTRACTION** **BAP**

ACCUTEST:  **SOLID/LIQUID EXTRACTION** BATCH # 15460

ACCUTEST:  SOLID/LIQUID EXTRACTION

 ACCUTEST:	SOLID/LIQUID EXTRACTION	BATCH #	RACK# A-17
		<i>P346062-1</i>	

 ACCUTEST:	SOLID/LIQUID EXTRACTION	BATCH # <i>1546062-1</i>	RACK # <i>A-2</i>

ACCUTEST.

LIQUID/LIQUID EXTRACTION

For ABS/M

1

BATCH #	2011/4/38	RACK#	016

EXTRACTION TIME: 3:09:46

Separatory Funnel

Continuous Liquid Liquid

EXTRACT METHOD (circle one)

SW846 3510C / EPA 600 series / EPA 500 series / CIB / other

COMMINGLES Liquid Equid

EXTRACTION DATE: 10/13/91

ANALYST: *EEA* METHOD: *AL877* WATER B

30040 33200 / CLF / buffer

Parameter	Method	Unit	Adjusted	Final	Water
...	...	...	...	...	...

4-10	Nitrogen Evap
100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

MEMORANDUM FOR FILE										NITROGEN EVAP (Temp(C))		Date				
Sample #	Sample Bottle #	Analysis Type	Sample Description	Sample Vol (ml)	Oil Wt. (g)	pH Adjust (ml)		Final Extract	Extract Cleanup			Comments	SURROGATE SPIKE DATA			
						>11 NaOH	H2SO4		Vol(ml)	Color	GPC		H2SO4	Florisil	Cu	LOT #
MB 1		ABN	Diluted	1000	1000	4	1	1	cur				BASE	10420124	100	5
BS 1			Diluted	1000	1000	1	1	1	cur				ACID	10420125	100	5
JAS8499-1 MS	6	↓	LXW	485	485	↓	↓	↓	YW				PCB			
MSD	3	↓	LXW	485	485	↓	↓	↓	YW				HERB			
MS		ABSIM	Diluted	1000	1000	4	1	1	LXW			SIM	WITNESS SIGN: 207 EOP			
MSD													MATRIX SPIKE DATA			
JAS8043-SPB	1	ABN	cur	960	960	4	1	1	cur				BASE 1	10420134	100	5
JAS8499-1	7		LXW	1000	1000	↓	↓	↓	LXW			ABSIM	ACID	10420115	100	5
-2	2	↓	↓	1000	1000	↓	↓	↓	LXW			↓	PEST BASE 2	10420100	100	5
-3	1	↓	cur	960	960	↓	↓	↓	cur			SIM	PCB			
JAS8624-1	6	↓	cur	960	960	↓	↓	↓	cur			↓	HERB			
-3	6	↓	cur	960	960	4	1	1	cur				BSIM	10420106	1	1
JAS8204-1M8	8	ABN	cur	970	970								WITNESS SIGN: 207 EOP			
													SOLVENT DATA			
													METH CHLOR	DC433	W/L	6/10
													HEXANE			
													ACETONE			
													ETH ETHER			
													REAGENT/FILTER MEDIA			
													LOT #	BRAND		
													SODIUM SULF	6010-28	Fisher	
													FILTER PAPER	W712120	Fisher	
													1:1 H2SO4	3702511	RCCA	
													10N NaOH	103360	Fisher	
													COPPER			
													FLORISIL			
													SULFURIC ACID			
COMMENTS:																

See back for instructions

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[illegible]

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Page 1 of 1

Job Number: JA58043
Account: FLSNYYY Fleming-Lee Shue, Inc.
Project: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Sample: JA58043-1 **Analyzed:** 15-OCT-10 by KH **Method:** SM18 2540G
ClientID: MW-6 (2-4)

Wet Weight (Total)	31.86	g
Tare Weight	24.85	g
Dry Weight (Total)	31.17	g
Solids, Percent	90.2	%

Sample: JA58043-2 **Analyzed:** 14-OCT-10 by DK **Method:** SM18 2540G
ClientID: MW-6 (3-5)

Wet Weight (Total)	29.67	g
Tare Weight	21.11	g
Dry Weight (Total)	28.13	g
Solids, Percent	82	%

Sample: JA58043-3 **Analyzed:** 13-OCT-10 by KH **Method:** SM18 2540G
ClientID: MW-4 (0-2)

Wet Weight (Total)	30.28	g
Tare Weight	23.01	g
Dry Weight (Total)	28.93	g
Solids, Percent	81.4	%

Sample: JA58043-4 **Analyzed:** 13-OCT-10 by KH **Method:** SM18 2540G
ClientID: MW-5 (0-2)

Wet Weight (Total)	31.85	g
Tare Weight	24.35	g
Dry Weight (Total)	30.77	g
Solids, Percent	85.6	%

9.1
9



11/11/10

Technical Report for

Fleming-Lee Shue, Inc.

Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

10073

Accutest Job Number: JA59346

Sampling Date: 10/20/10

Report to:

Fleming-Lee Shue, Inc.

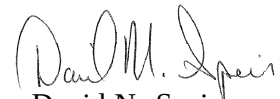
alana@flemingleeshue.com

ATTN: Alana Brannon

Total number of pages in report: **46**



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


David N. Speis
VP, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA59346

Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Project No: 10073

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA59346-1	10/20/10	09:00 BM	10/21/10	AQ	Ground Water	MW-4
JA59346-2	10/20/10	09:40 BM	10/21/10	AQ	Ground Water	MW-5
JA59346-3	10/20/10	10:25 BM	10/21/10	AQ	Ground Water	MW-6
JA59346-4	10/20/10	11:25 BM	10/21/10	AQ	Ground Water	MW-1
JA59346-5	10/20/10	12:10 BM	10/21/10	AQ	Ground Water	MW-2
JA59346-6	10/20/10	12:40 BM	10/21/10	AQ	Ground Water	MW-3
JA59346-7	10/20/10	13:00 BM	10/21/10	AQ	Field Blank Water	FB102010
JA59346-8	10/20/10	13:00 BM	10/21/10	AQ	Trip Blank Water	TRIP BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA59346

Site: Surf Avenue, 1709 Surf Avenue, Brooklyn, NY

Report Date 11/5/2010 6:46:48 PM

On 10/21/2010, 6 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 4.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA59346 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V2C3450

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA59346-2MS, JA59346-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: V3B2965

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA59342-10MS, JA59342-10MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,2-Dichloroethene (total) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for 1,2-Dichloroethene (total) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethene, Trichloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP46327

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA59326-1MS, JA59326-1MSD were used as the QC samples indicated.
- OP46327-MS for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP46327-MSD for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.

Matrix: AQ

Batch ID: OP46392

- All method blanks for this batch meet method specific criteria.
- Sample(s) JA59427-5MS, JA59427-5MSD were used as the QC samples indicated.
- The following samples were extracted outside of holding time for method SW846 8270C: JA59346-4
- Blank Spike Recovery(s) for 3,3'-Dichlorobenzidine are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- Matrix Spike Recovery(s) for 3,3'-Dichlorobenzidine are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 3,3'-Dichlorobenzidine are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 4-Chloroaniline, 4-Nitrophenol are outside control limits for sample OP46392-MSD. Analytical precision exceeds standard laboratory control limits.
- OP46392-MS for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP46392-MS for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-4	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-1	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B63575.D	1	10/24/10	TLR	n/a	n/a	V3B2965
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.0	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.0	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-4	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-1	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	107%		64-135%
2037-26-5	Toluene-D8	101%		76-117%
460-00-4	4-Bromofluorobenzene	94%		72-122%

ND = Not detected MDL - Method Detection Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-4	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-1	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F92607.D	1	10/26/10	NAP	10/23/10	OP46327	EF4336
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	MW-4	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-1	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		13-68%
4165-62-2	Phenol-d5	24%		10-49%
118-79-6	2,4,6-Tribromophenol	86%		37-130%
4165-60-0	Nitrobenzene-d5	89%		25-112%
321-60-8	2-Fluorobiphenyl	86%		31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4		
Lab Sample ID:	JA59346-1	Date Sampled:	10/20/10
Matrix:	AQ - Ground Water	Date Received:	10/21/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	91%		14-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-5	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-2	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C75660.D	1	10/25/10	TLR	n/a	n/a	V2C3450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.4	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	1.4	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.31	1.0	0.23	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	0.58	1.0	0.27	ug/l	J
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-5	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-2	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	113%		64-135%
2037-26-5	Toluene-D8	97%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-5	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-2	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F92608.D	1	10/26/10	NAP	10/23/10	OP46327	EF4336
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	MW-5	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-2	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	1.5	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		13-68%
4165-62-2	Phenol-d5	21%		10-49%
118-79-6	2,4,6-Tribromophenol	57%		37-130%
4165-60-0	Nitrobenzene-d5	95%		25-112%
321-60-8	2-Fluorobiphenyl	87%		31-106%

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	MW-5	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-2	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	90%		14-122%

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

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-6	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-3	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C75661.D	1	10/25/10	TLR	n/a	n/a	V2C3450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.6	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	2.6	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	85.6	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-6	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-3	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	4.4	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	115%		64-135%
2037-26-5	Toluene-D8	97%		76-117%
460-00-4	4-Bromofluorobenzene	99%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-6	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-3	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F92609.D	1	10/26/10	NAP	10/23/10	OP46327	EF4336
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-3	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		13-68%
4165-62-2	Phenol-d5	27%		10-49%
118-79-6	2,4,6-Tribromophenol	109%		37-130%
4165-60-0	Nitrobenzene-d5	90%		25-112%
321-60-8	2-Fluorobiphenyl	88%		31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-6	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-3	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%		14-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-1	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-4	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C75662.D	1	10/25/10	TLR	n/a	n/a	V2C3450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-1	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-4	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	117%		64-135%
2037-26-5	Toluene-D8	98%		76-117%
460-00-4	4-Bromofluorobenzene	99%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-1	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-4	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P2294.D	1	11/03/10	KP	10/28/10	OP46392	E2P128
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	0.96	1.0	0.37	ug/l	J
208-96-8	Acenaphthylene	1.1	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	0.60	1.0	0.12	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	0.45	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	MW-1	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-4	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	1.2	2.0	0.19	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	0.46	1.0	0.17	ug/l	J
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	0.48	1.0	0.21	ug/l	J
129-00-0	Pyrene	0.86	1.0	0.16	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		13-68%
4165-62-2	Phenol-d5	20%		10-49%
118-79-6	2,4,6-Tribromophenol	76%		37-130%
4165-60-0	Nitrobenzene-d5	91%		25-112%
321-60-8	2-Fluorobiphenyl	86%		31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JA59346-4	Date Sampled:	10/20/10
Matrix:	AQ - Ground Water	Date Received:	10/21/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	106%		14-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-2	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-5	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C75673.D	1	10/25/10	TLR	n/a	n/a	V2C3450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	MW-2	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-5	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	117%		64-135%
2037-26-5	Toluene-D8	98%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-2	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-5	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F92611.D	1	10/26/10	NAP	10/23/10	OP46327	EF4336
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-2	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-5	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		13-68%
4165-62-2	Phenol-d5	30%		10-49%
118-79-6	2,4,6-Tribromophenol	94%		37-130%
4165-60-0	Nitrobenzene-d5	95%		25-112%
321-60-8	2-Fluorobiphenyl	91%		31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JA59346-5	Date Sampled:	10/20/10
Matrix:	AQ - Ground Water	Date Received:	10/21/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	89%		14-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-3	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-6	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2C75674.D	1	10/25/10	TLR	n/a	n/a	V2C3450
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-3	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-6	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		76-120%
17060-07-0	1,2-Dichloroethane-D4	117%		64-135%
2037-26-5	Toluene-D8	97%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-3	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-6	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F92612.D	1	10/26/10	NAP	10/23/10	OP46327	EF4336
Run #2							

Run #	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	0.77	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.53	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.2	ug/l	
	3&4-Methylphenol	ND	2.1	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.86	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.83	ug/l	
108-95-2	Phenol	ND	2.1	0.60	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.38	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.17	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.13	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.099	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.26	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.43	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.26	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.32	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.37	ug/l	

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	MW-3	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-6	Date Received:	10/21/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.44	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.37	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.40	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.23	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.34	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.31	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.16	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.32	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.20	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.41	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	4.8	2.1	0.34	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.18	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.28	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.25	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.14	ug/l	
78-59-1	Isophorone	ND	2.1	0.26	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.69	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.30	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.19	ug/l	
91-20-3	Naphthalene	ND	1.0	0.44	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.26	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.22	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.45	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		13-68%
4165-62-2	Phenol-d5	26%		10-49%
118-79-6	2,4,6-Tribromophenol	65%		37-130%
4165-60-0	Nitrobenzene-d5	89%		25-112%
321-60-8	2-Fluorobiphenyl	83%		31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JA59346-6	Date Sampled:	10/20/10
Matrix:	AQ - Ground Water	Date Received:	10/21/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		14-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FB102010	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-7	Date Received:	10/21/10
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B63563.D	1	10/24/10	TLR	n/a	n/a	V3B2965
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FB102010	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-7	Date Received:	10/21/10
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	101%		76-117%
460-00-4	4-Bromofluorobenzene	94%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FB102010	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-7	Date Received:	10/21/10
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F92613.D	1	10/26/10	NAP	10/23/10	OP46327	EF4336
Run #2							

Run #	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	1.2	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.4	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	1.8	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	0.79	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	0.55	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.2	ug/l	
	3&4-Methylphenol	ND	2.2	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.4	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	11	0.89	ug/l	
87-86-5	Pentachlorophenol	ND	11	0.86	ug/l	
108-95-2	Phenol	ND	2.2	0.62	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.39	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.29	ug/l	
120-12-7	Anthracene	ND	1.1	0.17	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.13	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.26	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.13	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.41	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.45	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.27	ug/l	
86-74-8	Carbazole	ND	1.1	0.18	ug/l	
218-01-9	Chrysene	ND	1.1	0.12	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.33	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.42	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	FB102010	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-7	Date Received:	10/21/10
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.45	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.38	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.42	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.24	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.35	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.32	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.16	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.33	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.21	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.42	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.18	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.24	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.35	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.18	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.28	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.14	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	22	0.26	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.14	ug/l	
78-59-1	Isophorone	ND	2.2	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.71	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	0.25	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	0.31	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	0.19	ug/l	
91-20-3	Naphthalene	ND	1.1	0.46	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.27	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.23	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.23	ug/l	
129-00-0	Pyrene	ND	1.1	0.17	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.1	0.47	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		13-68%
4165-62-2	Phenol-d5	33%		10-49%
118-79-6	2,4,6-Tribromophenol	113%		37-130%
4165-60-0	Nitrobenzene-d5	103%		25-112%
321-60-8	2-Fluorobiphenyl	94%		31-106%

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Report of Analysis

Page 3 of 3

Client Sample ID:	FB102010	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-7	Date Received:	10/21/10
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	101%		14-122%

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Report of Analysis

Page 1 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-8	Date Received:	10/21/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B63564.D	1	10/24/10	TLR	n/a	n/a	V3B2965
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	10/20/10
Lab Sample ID:	JA59346-8	Date Received:	10/21/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Surf Avenue, 1709 Surf Avenue, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	100%		76-117%
460-00-4	4-Bromofluorobenzene	94%		72-122%

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

ACCUSET Laboratories						2215 Rowle 130, Dayton, NJ 08810 TEL: 732-329-0200 FAX: 732-329-3499/3480 www.acctest.com		FED-EX Tracking #	Bottle Order Control #										
Client / Reporting Information						Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes	
Company Name FLS						Project Name: 1709 Surf Avenue													
Street Address 158 W 29th St. Fl 9						Street Surf Ave													
City State Zip NY NY 10001						Billing Information (If different from Report to) City State Company Name Brooklyn NY													
Project Contact abrahamson						Project # 10073													
Phone # 212.675.3225						Fax #													
Samplers(s) Name(s) AB/BM						Project Manager Mohamed Elmed													
Field ID / Point of Collection						MEOH/DI Val #													
Date Time Sampled by Matrix # of bottles HCL NaOH HI/O3 H2SO4 NH4E DI Water MEOH ENCORE						Collection													
Turnaround Time (Business days)						Data Deliverable Information													
☐ Std. 15 Business Days ☒ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY						Approved By (Accutest PM) : Date:		☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 2+4) ☐ NJ Reduced ☐ Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + GC Summary NJ Reduced = Results + GC Summary + Partial Raw data										Comments / Special Instructions * NATE TOS 1/21/10	
Emergency & Rush TIA data available VIA Lablink						Sample Custody must be documented below each time samples change possession, including courier delivery.													
Relinquished by Sampler: [Signature] Date Time: 12/21/10 1110						Received By: Priority													
Relinquished by Sampler: [Signature]						Received By: [Signature]													
Relinquished by: [Signature]						Received By: [Signature]													
Relinquished by: [Signature]						Received By: [Signature]													
Cooler Temp. 36.46°																			

JA59346: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: 00000000

Client:

Immediate Client Services Action Required: No

Date / Time Received: 00/00/0000

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers:

0

Airbill #'s:

Cooler Security

Y or N

☐ Custody seals present ☒

☐ Custody seals intact ☒

Y or N

☐ Seals present ☒

☐ Impl dates/time ☒

Cooler Temperature

Y or N

☐ Temp criteria achieved ☒

☐ Cooler temp verification ☐ Infrared ☐ Sun

☐ Cooler media ☐ Ice ☐ Ba

Quality Control Preservation

Y or N

N/A

☐ Trip blank present ☐ cooler ☒

☐ Trip blank listed on ☐ ☒

☐ Samples preserved properly ☒

☐ Headspace free ☒

Sample Integrity - Documentation

Y or N

☐ Sample labels present on bottles ☒

☐ Container label in ☐ complete ☒

☐ Sample container label ☐ a tree ☒

Sample Integrity - Condition

Y or N

☐ Sample recvd within ☐ ☒

☐ All containers accounted for ☒

☐ Condition of sample ☐ intact

Sample Integrity - Instructions

Y or N N/A

☐ Analysis requested is clear ☒

☐ Bottles received for unspecified tests ☐ ☒

☐ Sufficient volume recvd for analysis ☒

☐ Composition instructions clear ☐ ☐ ☒

☐ Filter instructions clear ☐ ☐ ☒

Comments

Accutest Laboratories
0000000000

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000000000000

Wayton, New Jersey
www.accutest.com

JA59346: Chain of Custody

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