New Jersey
ACCUTEST LABORATORIES

09/18/14



Technical Report for

Langan Engineering & Environmental

Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

100287501, 365 Bond St.

Accutest Job Number: JB69926

Sampling Dates: 06/19/14 - 06/20/14

Report to:

Langan Engineering & Environmental

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Total number of pages in report: **1757**

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

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Sample Summary

Langan Engineering & Environmental

Job No: JB69926

Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Project No: 100287501, 365 Bond St.

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB69926-1	06/19/14	13:36	CBM	06/20/14	SO	Soil	389-UST-6-PE-1
JB69926-2	06/19/14	13:35	CBM	06/20/14	SO	Soil	390-UST-6-PE-2
JB69926-3	06/19/14	13:40	CBM	06/20/14	SO	Soil	391-UST-6-PE-3
JB69926-4	06/19/14	13:45	CBM	06/20/14	SO	Soil	392-UST-6-PE-4
JB69926-5	06/19/14	14:30	CBM	06/20/14	SO	Soil	393-UST-6-PE-5
JB69926-6	06/19/14	14:40	CBM	06/20/14	SO	Soil	394-UST-4-PE-1
JB69926-7	06/19/14	14:45	CBM	06/20/14	SO	Soil	395-UST-4-PE-2
JB69926-8	06/19/14	14:50	CBM	06/20/14	SO	Soil	396-UST-4-PE-3
JB69926-9	06/19/14	15:00	CBM	06/20/14	SO	Soil	397-UST-4-PE-4
JB69926-10	06/19/14	15:05	CBM	06/20/14	SO	Soil	398-UST-4-PE-5
JB69926-11	06/19/14	17:15	CBM	06/20/14	AQ	Field Blank Soil	387-FB-17
JB69926-12	06/20/14	10:45	CBM	06/20/14	AQ	Trip Blank Soil	388-TB-16
JB69926-13	06/19/14	16:20	CBM	06/20/14	SO	Soil	334-PE-100

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

Sample Summary
(continued)

Langan Engineering & Environmental

Job No: JB69926

Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Project No: 100287501, 365 Bond St.

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB69926-14	06/19/14	16:45	CBM	06/20/14	SO	Soil	335-PE-101
JB69926-15	06/19/14	16:10	CBM	06/20/14	SO	Soil	336-PE-102
JB69926-16	06/19/14	16:15	CBM	06/20/14	SO	Soil	337-PE-103
JB69926-17	06/19/14	16:05	CBM	06/20/14	SO	Soil	338-PE-104
JB69926-18	06/20/14	10:45	CBM	06/20/14	SO	Soil	399-PE-17

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Langan Engineering & Environmental	**Job No**	JB69926
Site:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY	**Report Date**	7/11/2014 9:04:08 AM

On 06/20/2014, 16 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 2.1 C and 3.2C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB69926 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 8260C

Matrix: AQ **Batch ID:** V2B5478

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB69725-1MS, JB69725-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** VY6378

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB70081-1DUP, JB70081-2MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** VY6380

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69968-1MS, JB69968-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** VY6381

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69905-6DUP, JB69905-7MS were used as the QC samples indicated.

Matrix: SO **Batch ID:** VY6383

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB70415-1MS, JB70415-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP75936

- All samples were extracted within the recommended method holding time.
- Sample(s) JB69864-1MS, JB69864-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for N-Nitrosodiphenylamine are outside control limits for sample OP75936-MSD. Analytical precision exceeds in-house control limits.

Matrix: SO **Batch ID:** OP75897

- All samples were extracted within the recommended method holding time.
- Sample(s) JB69716-5MS, JB69716-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP75898

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69926-10MS, JB69926-10MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, 4-Nitrophenol, Anthracene, Benzo(a)pyrene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene, N-Nitrosodiphenylamine, Naphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dimethylphenol, 2,4-Dinitrotoluene, 4-Nitrophenol, Benzo(a)pyrene, Isophorone, N-Nitroso-di-n-propylamine, Naphthalene, Nitrobenzene, 2,6-Dinitrotoluene, Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, N-Nitrosodiphenylamine, Phenanthrene, Pyrene are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Fluoranthene, Phenanthrene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for 2,6-Dinitrotoluene, 4,6-Dinitro-o-cresol, Benzo(a)anthracene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, N-Nitrosodiphenylamine, Phenanthrene, Pyrene are outside control limits for sample OP75898-MSD. Analytical precision exceeds in-house control limits.
- OP75898-MS for N-Nitrosodiphenylamine: Outside control limits due to matrix interference.
- OP75898-MS for Benzo(k)fluoranthene: Outside control limits due to matrix interference.
- OP75898-MS for Benzo(a)pyrene: Outside control limits due to matrix interference.
- OP75898-MS for Benzo(g,h,i)perylene: Outside control limits due to matrix interference.
- OP75898-MSD for Nitrobenzene-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP75898-MS for Naphthalene: Outside control limits due to matrix interference.
- OP75898-MS for Anthracene: Outside control limits due to matrix interference.
- OP75898-MS for 4-Nitrophenol: Outside control limits due to matrix interference.
- OP75898-MS for Indeno(1,2,3-cd)pyrene: Outside control limits due to matrix interference.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP80218

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** MP80276

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69784-1MS, JB69784-1MSD, JB69784-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Cobalt are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Chromium, Iron, Potassium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Chromium, Iron, Cobalt, Cadmium, Copper, Lead, Selenium, Silver, Antimony are outside control limits for sample MP80276-SD1. High rpd due to possible sample nonhomogeneity.
- MP80276-SD1 for Antimony: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80276-SD1 for Lead: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80276-S2 for Silver: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-SD1 for Nickel: Elevated detection limit due to dilution required for high interfering element.
- MP80276-SD1 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-SD1 for Copper: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80276-SD1 for Selenium: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80276-SD1 for Silver: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80276-SD1 for Cadmium: Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP80276-S1 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S1 for Cadmium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S1 for Copper: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S1 for Lead: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S1 for Nickel: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S1 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S1 for Silver: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Nickel: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Cadmium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Chromium: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Copper: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Iron: Elevated detection limit due to dilution required for high interfering element.
- MP80276-S2 for Lead: Elevated detection limit due to dilution required for high interfering element.

Metals By Method SW846 7470A

Matrix: AQ **Batch ID:** MP80331

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69806-3MS, JB69806-3MSD were used as the QC samples for metals.

Metals By Method SW846 7471B

Matrix:	SO	Batch ID:	MP80382

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB69784-1MS, JB69784-1MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix:	SO	Batch ID:	GN7242

- The data for SM2540 G-97 meets quality control requirements.

Matrix:	SO	Batch ID:	GN7254

- The data for SM2540 G-97 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

Summary of Hits

Job Number: JB69926
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/19/14 thru 06/20/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB69926-1	**389-UST-6-PE-1**					
Benzo(a)anthracene		0.0213 J	0.037	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0209 J	0.037	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0276 J	0.037	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0174 J	0.037	0.014	mg/kg	SW846 8270D
Chrysene		0.0214 J	0.037	0.012	mg/kg	SW846 8270D
Fluoranthene		0.0255 J	0.037	0.016	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0146 J	0.037	0.013	mg/kg	SW846 8270D
Pyrene		0.0243 J	0.037	0.014	mg/kg	SW846 8270D
JB69926-2	**390-UST-6-PE-2**					
Acenaphthene		0.0190 J	0.035	0.010	mg/kg	SW846 8270D
Anthracene		0.0315 J	0.035	0.012	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0848	0.035	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0853	0.035	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0975	0.035	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0606	0.035	0.013	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0406	0.035	0.013	mg/kg	SW846 8270D
Chrysene		0.100	0.035	0.012	mg/kg	SW846 8270D
Fluoranthene		0.183	0.035	0.015	mg/kg	SW846 8270D
Fluorene		0.0194 J	0.035	0.011	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0490	0.035	0.012	mg/kg	SW846 8270D
Phenanthrene		0.137	0.035	0.016	mg/kg	SW846 8270D
Pyrene		0.159	0.035	0.013	mg/kg	SW846 8270D
JB69926-3	**391-UST-6-PE-3**					
No hits reported in this sample.						
JB69926-4	**392-UST-6-PE-4**					
Benzo(a)anthracene		0.0380 J	0.041	0.013	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0408 J	0.041	0.012	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0506	0.041	0.014	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0328 J	0.041	0.015	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0180 J	0.041	0.015	mg/kg	SW846 8270D
Chrysene		0.0356 J	0.041	0.014	mg/kg	SW846 8270D
Fluoranthene		0.0526	0.041	0.018	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0312 J	0.041	0.014	mg/kg	SW846 8270D
Phenanthrene		0.0190 J	0.041	0.018	mg/kg	SW846 8270D
Pyrene		0.0469	0.041	0.016	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB69926
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/19/14 thru 06/20/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB69926-5	**393-UST-6-PE-5**					
Benzo(a)anthracene		0.0310 J	0.037	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0280 J	0.037	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0296 J	0.037	0.013	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0195 J	0.037	0.014	mg/kg	SW846 8270D
Chrysene		0.0319 J	0.037	0.013	mg/kg	SW846 8270D
Fluoranthene		0.0499	0.037	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0167 J	0.037	0.013	mg/kg	SW846 8270D
Phenanthrene		0.0259 J	0.037	0.017	mg/kg	SW846 8270D
Pyrene		0.0428	0.037	0.014	mg/kg	SW846 8270D
JB69926-6	**394-UST-4-PE-1**					
Ethylbenzene		0.00018 J	0.00099	0.00017	mg/kg	SW846 8260C
Naphthalene		0.0028 J	0.0050	0.00018	mg/kg	SW846 8260C
Toluene		0.00037 J	0.00099	0.00014	mg/kg	SW846 8260C
1,2,4-Trimethylbenzene		0.0011 J	0.0050	0.00016	mg/kg	SW846 8260C
1,3,5-Trimethylbenzene		0.00041 J	0.0050	0.00022	mg/kg	SW846 8260C
m,p-Xylene		0.00076 J	0.00099	0.00048	mg/kg	SW846 8260C
o-Xylene		0.00039 J	0.00099	0.00018	mg/kg	SW846 8260C
Xylene (total)		0.0011	0.00099	0.00018	mg/kg	SW846 8260C
Acenaphthene		0.0473	0.034	0.0097	mg/kg	SW846 8270D
Anthracene		0.0506	0.034	0.012	mg/kg	SW846 8270D
Benzo(a)anthracene		0.150	0.034	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		0.145	0.034	0.010	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.165	0.034	0.011	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0830	0.034	0.012	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0702	0.034	0.013	mg/kg	SW846 8270D
Chrysene		0.168	0.034	0.011	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0243 J	0.034	0.011	mg/kg	SW846 8270D
Fluoranthene		0.329	0.034	0.015	mg/kg	SW846 8270D
Fluorene		0.0585	0.034	0.011	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0819	0.034	0.012	mg/kg	SW846 8270D
Naphthalene		0.0575	0.034	0.0092	mg/kg	SW846 8270D
Phenanthrene		0.185	0.034	0.015	mg/kg	SW846 8270D
Pyrene		0.269	0.034	0.013	mg/kg	SW846 8270D
JB69926-7	**395-UST-4-PE-2**					
Acenaphthene		0.509	0.035	0.010	mg/kg	SW846 8270D
Anthracene		0.650	0.035	0.012	mg/kg	SW846 8270D
Benzo(a)anthracene		1.38	0.035	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		1.18	0.035	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.39	0.035	0.012	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB69926
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/19/14 thru 06/20/14

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Benzo(g,h,i)perylene	0.601	0.035	0.013	mg/kg	SW846 8270D
Benzo(k)fluoranthene	0.503	0.035	0.013	mg/kg	SW846 8270D
Chrysene	1.51	0.035	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene	0.184	0.035	0.012	mg/kg	SW846 8270D
Fluoranthene	3.25	0.035	0.016	mg/kg	SW846 8270D
Fluorene	0.471	0.035	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	0.595	0.035	0.012	mg/kg	SW846 8270D
Naphthalene	0.612	0.035	0.0096	mg/kg	SW846 8270D
Phenanthrene	3.09	0.035	0.016	mg/kg	SW846 8270D
Pyrene	2.76	0.035	0.014	mg/kg	SW846 8270D
JB69926-8 396-UST-4-PE-3					
n-Butylbenzene	0.0024 J	0.0052	0.00099	mg/kg	SW846 8260C
sec-Butylbenzene	0.0021 J	0.0052	0.00019	mg/kg	SW846 8260C
Isopropylbenzene	0.00089 J	0.0052	0.00015	mg/kg	SW846 8260C
Naphthalene	0.0019 J	0.0052	0.00019	mg/kg	SW846 8260C
n-Propylbenzene	0.00095 J	0.0052	0.00017	mg/kg	SW846 8260C
Acenaphthene	0.232	0.036	0.010	mg/kg	SW846 8270D
Anthracene	0.147	0.036	0.012	mg/kg	SW846 8270D
Benzo(a)anthracene	0.266	0.036	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene	0.228	0.036	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene	0.271	0.036	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene	0.140	0.036	0.013	mg/kg	SW846 8270D
Benzo(k)fluoranthene	0.105	0.036	0.013	mg/kg	SW846 8270D
Chrysene	0.307	0.036	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene	0.0385	0.036	0.012	mg/kg	SW846 8270D
Fluoranthene	0.633	0.036	0.016	mg/kg	SW846 8270D
Fluorene	0.337	0.036	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	0.130	0.036	0.012	mg/kg	SW846 8270D
Phenanthrene	0.507	0.036	0.016	mg/kg	SW846 8270D
Pyrene	0.504	0.036	0.014	mg/kg	SW846 8270D
JB69926-9 397-UST-4-PE-4					
sec-Butylbenzene	0.0022 J	0.0046	0.00017	mg/kg	SW846 8260C
Isopropylbenzene	0.0016 J	0.0046	0.00014	mg/kg	SW846 8260C
Naphthalene	0.0018 J	0.0046	0.00017	mg/kg	SW846 8260C
n-Propylbenzene	0.0022 J	0.0046	0.00016	mg/kg	SW846 8260C
Acenaphthene	0.100	0.037	0.011	mg/kg	SW846 8270D
Anthracene	0.0427	0.037	0.013	mg/kg	SW846 8270D
Benzo(a)anthracene	0.0498	0.037	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene	0.0646	0.037	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene	0.0405	0.037	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene	0.0885	0.037	0.014	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB69926
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/19/14 thru 06/20/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene		0.0562	0.037	0.013	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0158 J	0.037	0.013	mg/kg	SW846 8270D
Fluoranthene		0.0929	0.037	0.016	mg/kg	SW846 8270D
Fluorene		0.156	0.037	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0330 J	0.037	0.013	mg/kg	SW846 8270D
Phenanthrene		0.259	0.037	0.017	mg/kg	SW846 8270D
Pyrene		0.0807	0.037	0.014	mg/kg	SW846 8270D
JB69926-10	**398-UST-4-PE-5**					
sec-Butylbenzene		0.00057 J	0.0055	0.00020	mg/kg	SW846 8260C
Naphthalene		0.0010 J	0.0055	0.00020	mg/kg	SW846 8260C
Acenaphthene		0.853	0.036	0.010	mg/kg	SW846 8270D
Acenaphthylene		0.311	0.036	0.011	mg/kg	SW846 8270D
Anthracene		1.42	0.036	0.012	mg/kg	SW846 8270D
Benzo(a)anthracene		4.12	0.18	0.058	mg/kg	SW846 8270D
Benzo(a)pyrene		2.85	0.036	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		3.85	0.18	0.059	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.36	0.036	0.013	mg/kg	SW846 8270D
Benzo(k)fluoranthene		1.21	0.036	0.013	mg/kg	SW846 8270D
Chrysene		4.45	0.18	0.060	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.501	0.036	0.012	mg/kg	SW846 8270D
Fluoranthene		8.57	0.18	0.078	mg/kg	SW846 8270D
Fluorene		1.22	0.036	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		1.21	0.036	0.012	mg/kg	SW846 8270D
Naphthalene		2.33	0.036	0.0097	mg/kg	SW846 8270D
Phenanthrene		7.13	0.18	0.081	mg/kg	SW846 8270D
Pyrene		7.51	0.18	0.068	mg/kg	SW846 8270D
JB69926-11	**387-FB-17**					
Calcium		32.2 B	5000	19	ug/l	SW846 6010C
Mercury		0.070 B	0.20	0.064	ug/l	SW846 7470A
Sodium		77.0 B	10000	19	ug/l	SW846 6010C
JB69926-12	**388-TB-16**					
No hits reported in this sample.						
JB69926-13	**334-PE-100**					
Acetone		0.0052 J	0.0087	0.0040	mg/kg	SW846 8260C
Carbon disulfide		0.00071 J	0.0044	0.00012	mg/kg	SW846 8260C
Methylcyclohexane		0.00054 J	0.0044	0.00014	mg/kg	SW846 8260C

Summary of Hits

Job Number: JB69926
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/19/14 thru 06/20/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB69926-14	**335-PE-101**					
Acetone		0.0200	0.0095	0.0043	mg/kg	SW846 8260C
Cyclohexane		0.0053	0.0047	0.00024	mg/kg	SW846 8260C
Isopropylbenzene		0.0017 J	0.0047	0.00014	mg/kg	SW846 8260C
Methylcyclohexane		0.0339	0.0047	0.00016	mg/kg	SW846 8260C
Acenaphthene		0.0455	0.036	0.011	mg/kg	SW846 8270D
Anthracene		0.0242 J	0.036	0.013	mg/kg	SW846 8270D
Benzo(a)anthracene		0.0988	0.036	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.113	0.036	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0442	0.036	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.118	0.036	0.014	mg/kg	SW846 8270D
Chrysene		0.134	0.036	0.012	mg/kg	SW846 8270D
Fluoranthene		0.0265 J	0.036	0.016	mg/kg	SW846 8270D
Fluorene		0.0973	0.036	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0376	0.036	0.013	mg/kg	SW846 8270D
Phenanthrene		0.136	0.036	0.017	mg/kg	SW846 8270D
Pyrene		0.114	0.036	0.014	mg/kg	SW846 8270D
JB69926-15	**336-PE-102**					
Acetone		0.0375	0.0092	0.0042	mg/kg	SW846 8260C
2-Butanone (MEK)		0.0051 J	0.0092	0.0040	mg/kg	SW846 8260C
Carbon disulfide		0.0010 J	0.0046	0.00013	mg/kg	SW846 8260C
Benzo(a)anthracene		0.0832	0.037	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.0823	0.037	0.011	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.0302 J	0.037	0.012	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0670	0.037	0.014	mg/kg	SW846 8270D
Chrysene		0.109	0.037	0.012	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0198 J	0.037	0.013	mg/kg	SW846 8270D
Phenanthrene		0.0386	0.037	0.017	mg/kg	SW846 8270D
Pyrene		0.0678	0.037	0.014	mg/kg	SW846 8270D
JB69926-16	**337-PE-103**					
Acetone		0.0067 J	0.0087	0.0040	mg/kg	SW846 8260C
Carbon disulfide		0.00081 J	0.0044	0.00012	mg/kg	SW846 8260C
JB69926-17	**338-PE-104**					
Acetone		0.0079 J	0.0085	0.0039	mg/kg	SW846 8260C
Methylcyclohexane		0.00028 J	0.0042	0.00014	mg/kg	SW846 8260C
Pyrene		0.0139 J	0.034	0.013	mg/kg	SW846 8270D

Summary of Hits

Job Number: JB69926
Account: Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Collected: 06/19/14 thru 06/20/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB69926-18	**399-PE-17**					
Acetone		0.0222	0.015	0.0067	mg/kg	SW846 8260C
Carbon disulfide		0.0058 J	0.0074	0.00021	mg/kg	SW846 8260C
Cyclohexane		0.0183	0.0074	0.00038	mg/kg	SW846 8260C
Isopropylbenzene		0.00058 J	0.0074	0.00022	mg/kg	SW846 8260C
Methylcyclohexane		0.0490	0.0074	0.00024	mg/kg	SW846 8260C
m,p-Xylene		0.0014 J	0.0015	0.00072	mg/kg	SW846 8260C
o-Xylene		0.0026	0.0015	0.00026	mg/kg	SW846 8260C
Xylene (total)		0.0040	0.0015	0.00026	mg/kg	SW846 8260C
Aluminum		18300	86	2.3	mg/kg	SW846 6010C
Arsenic		11.0	3.4	0.50	mg/kg	SW846 6010C
Barium		41.5	34	0.14	mg/kg	SW846 6010C
Beryllium		1.1	0.34	0.034	mg/kg	SW846 6010C
Cadmium		0.24 B	0.86	0.086	mg/kg	SW846 6010C
Calcium		2470	860	5.2	mg/kg	SW846 6010C
Chromium		32.7	1.7	0.12	mg/kg	SW846 6010C
Cobalt		11.0	8.6	0.10	mg/kg	SW846 6010C
Copper		18.5	4.3	0.26	mg/kg	SW846 6010C
Iron		36100	86	1.6	mg/kg	SW846 6010C
Lead		33.5	3.4	0.36	mg/kg	SW846 6010C
Magnesium		7460	860	5.8	mg/kg	SW846 6010C
Manganese		438	2.6	0.10	mg/kg	SW846 6010C
Mercury		0.041 B	0.052	0.012	mg/kg	SW846 7471B
Nickel		33.5	6.9	0.17	mg/kg	SW846 6010C
Potassium		3740	1700	6.8	mg/kg	SW846 6010C
Silver		0.72 B	0.86	0.24	mg/kg	SW846 6010C
Sodium		1510 B	1700	3.2	mg/kg	SW846 6010C
Vanadium		36.9	8.6	0.15	mg/kg	SW846 6010C
Zinc		90.4	3.4	0.65	mg/kg	SW846 6010C

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	389-UST-6-PE-1		
Lab Sample ID:	JB69926-1	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	81.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146772.D	1	06/25/14	PS	n/a	n/a	VY6378
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00013	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0051	0.00098	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0051	0.00018	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0051	0.00017	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00018	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0051	0.00015	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0051	0.00019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00035	mg/kg	
91-20-3	Naphthalene	ND	0.0051	0.00019	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0051	0.00017	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00015	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0051	0.00016	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0051	0.00023	mg/kg	
	m,p-Xylene	ND	0.0010	0.00049	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		59-130%
17060-07-0	1,2-Dichloroethane-D4	91%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	97%		71-132%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	389-UST-6-PE-1		
Lab Sample ID:	JB69926-1	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	81.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33600.D	1	07/09/14	SP	06/24/14	OP75897	E3P1436
Run #2							

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.037	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.012	mg/kg	
120-12-7	Anthracene	ND	0.037	0.013	mg/kg	
56-55-3	Benzo(a)anthracene	0.0213	0.037	0.012	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0209	0.037	0.011	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0276	0.037	0.012	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	0.0174	0.037	0.014	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.037	0.014	mg/kg	
218-01-9	Chrysene	0.0214	0.037	0.012	mg/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.037	0.013	mg/kg	
206-44-0	Fluoranthene	0.0255	0.037	0.016	mg/kg	J
86-73-7	Fluorene	ND	0.037	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0146	0.037	0.013	mg/kg	J
91-20-3	Naphthalene	ND	0.037	0.010	mg/kg	
85-01-8	Phenanthrene	ND	0.037	0.017	mg/kg	
129-00-0	Pyrene	0.0243	0.037	0.014	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		10-110%
321-60-8	2-Fluorobiphenyl	86%		17-110%
1718-51-0	Terphenyl-d14	98%		30-124%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	390-UST-6-PE-2		
Lab Sample ID:	JB69926-2	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	87.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146773.D	1	06/26/14	PS	n/a	n/a	VY6378
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00014	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0056	0.0011	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0056	0.00020	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0056	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00020	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0056	0.00016	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0056	0.00021	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00038	mg/kg	
91-20-3	Naphthalene	ND	0.0056	0.00020	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0056	0.00019	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00016	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0056	0.00018	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0056	0.00025	mg/kg	
	m,p-Xylene	ND	0.0011	0.00054	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00020	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		59-130%
17060-07-0	1,2-Dichloroethane-D4	93%		65-123%
2037-26-5	Toluene-D8	106%		77-125%
460-00-4	4-Bromofluorobenzene	97%		71-132%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	390-UST-6-PE-2		
Lab Sample ID:	JB69926-2	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	87.8
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33712.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	32.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.0190	0.035	0.010	mg/kg	J
208-96-8	Acenaphthylene	ND	0.035	0.011	mg/kg	
120-12-7	Anthracene	0.0315	0.035	0.012	mg/kg	J
56-55-3	Benzo(a)anthracene	0.0848	0.035	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	0.0853	0.035	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0975	0.035	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0606	0.035	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0406	0.035	0.013	mg/kg	
218-01-9	Chrysene	0.100	0.035	0.012	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.012	mg/kg	
206-44-0	Fluoranthene	0.183	0.035	0.015	mg/kg	
86-73-7	Fluorene	0.0194	0.035	0.011	mg/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.0490	0.035	0.012	mg/kg	
91-20-3	Naphthalene	ND	0.035	0.0096	mg/kg	
85-01-8	Phenanthrene	0.137	0.035	0.016	mg/kg	
129-00-0	Pyrene	0.159	0.035	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		10-110%
321-60-8	2-Fluorobiphenyl	89%		17-110%
1718-51-0	Terphenyl-d14	97%		30-124%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	391-UST-6-PE-3		
Lab Sample ID:	JB69926-3	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	89.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146843.D	1	06/27/14	PS	n/a	n/a	VY6381
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00013	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0052	0.0010	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0052	0.00019	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0052	0.00017	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00018	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0052	0.00015	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0052	0.00020	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00036	mg/kg	
91-20-3	Naphthalene	ND	0.0052	0.00019	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0052	0.00017	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00015	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0052	0.00017	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0052	0.00023	mg/kg	
	m,p-Xylene	ND	0.0010	0.00050	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		59-130%
17060-07-0	1,2-Dichloroethane-D4	93%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	96%		71-132%

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

Client Sample ID:	391-UST-6-PE-3		
Lab Sample ID:	JB69926-3	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.1
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33713.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.036	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.011	mg/kg	
120-12-7	Anthracene	ND	0.036	0.013	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.013	mg/kg	
218-01-9	Chrysene	ND	0.036	0.012	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
206-44-0	Fluoranthene	ND	0.036	0.016	mg/kg	
86-73-7	Fluorene	ND	0.036	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.036	0.012	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0098	mg/kg	
85-01-8	Phenanthrene	ND	0.036	0.016	mg/kg	
129-00-0	Pyrene	ND	0.036	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		10-110%
321-60-8	2-Fluorobiphenyl	81%		17-110%
1718-51-0	Terphenyl-d14	79%		30-124%

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

Client Sample ID:	392-UST-6-PE-4		
Lab Sample ID:	JB69926-4	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	80.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146846.D	1	06/27/14	PS	n/a	n/a	VY6381
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00014	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0056	0.0011	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0056	0.00020	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0056	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00020	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0056	0.00017	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0056	0.00021	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00039	mg/kg	
91-20-3	Naphthalene	ND	0.0056	0.00020	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0056	0.00019	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00016	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0056	0.00018	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0056	0.00025	mg/kg	
	m,p-Xylene	ND	0.0011	0.00054	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00020	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		59-130%
17060-07-0	1,2-Dichloroethane-D4	91%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	98%		71-132%

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

Client Sample ID:	392-UST-6-PE-4		
Lab Sample ID:	JB69926-4	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	80.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33714.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.041	0.012	mg/kg	
208-96-8	Acenaphthylene	ND	0.041	0.013	mg/kg	
120-12-7	Anthracene	ND	0.041	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	0.0380	0.041	0.013	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0408	0.041	0.012	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0506	0.041	0.014	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0328	0.041	0.015	mg/kg	J
207-08-9	Benzo(k)fluoranthene	0.0180	0.041	0.015	mg/kg	J
218-01-9	Chrysene	0.0356	0.041	0.014	mg/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.041	0.014	mg/kg	
206-44-0	Fluoranthene	0.0526	0.041	0.018	mg/kg	
86-73-7	Fluorene	ND	0.041	0.013	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0312	0.041	0.014	mg/kg	J
91-20-3	Naphthalene	ND	0.041	0.011	mg/kg	
85-01-8	Phenanthrene	0.0190	0.041	0.018	mg/kg	J
129-00-0	Pyrene	0.0469	0.041	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		10-110%
321-60-8	2-Fluorobiphenyl	85%		17-110%
1718-51-0	Terphenyl-d14	89%		30-124%

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

Client Sample ID:	393-UST-6-PE-5		
Lab Sample ID:	JB69926-5	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	87.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146847.D	1	06/27/14	PS	n/a	n/a	VY6381
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00013	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0051	0.00099	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0051	0.00018	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0051	0.00017	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00018	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0051	0.00015	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0051	0.00019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00035	mg/kg	
91-20-3	Naphthalene	ND	0.0051	0.00019	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0051	0.00017	mg/kg	
108-88-3	Toluene	ND	0.0010	0.00015	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0051	0.00016	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0051	0.00023	mg/kg	
	m,p-Xylene	ND	0.0010	0.00050	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		59-130%
17060-07-0	1,2-Dichloroethane-D4	89%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	97%		71-132%

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

Client Sample ID:	393-UST-6-PE-5		
Lab Sample ID:	JB69926-5	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	87.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33715.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.037	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.012	mg/kg	
120-12-7	Anthracene	ND	0.037	0.013	mg/kg	
56-55-3	Benzo(a)anthracene	0.0310	0.037	0.012	mg/kg	J
50-32-8	Benzo(a)pyrene	0.0280	0.037	0.011	mg/kg	J
205-99-2	Benzo(b)fluoranthene	0.0296	0.037	0.013	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	0.0195	0.037	0.014	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.037	0.014	mg/kg	
218-01-9	Chrysene	0.0319	0.037	0.013	mg/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.037	0.013	mg/kg	
206-44-0	Fluoranthene	0.0499	0.037	0.017	mg/kg	
86-73-7	Fluorene	ND	0.037	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0167	0.037	0.013	mg/kg	J
91-20-3	Naphthalene	ND	0.037	0.010	mg/kg	
85-01-8	Phenanthrene	0.0259	0.037	0.017	mg/kg	J
129-00-0	Pyrene	0.0428	0.037	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		10-110%
321-60-8	2-Fluorobiphenyl	88%		17-110%
1718-51-0	Terphenyl-d14	92%		30-124%

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

Client Sample ID:	394-UST-4-PE-1		
Lab Sample ID:	JB69926-6	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	88.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146845.D	1	06/27/14	PS	n/a	n/a	VY6381
Run #2							

	Initial Weight
Run #1	5.7 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00099	0.00012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0050	0.00095	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0050	0.00018	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0050	0.00016	mg/kg	
100-41-4	Ethylbenzene	0.00018	0.00099	0.00017	mg/kg	J
98-82-8	Isopropylbenzene	ND	0.0050	0.00015	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0050	0.00019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00099	0.00034	mg/kg	
91-20-3	Naphthalene	0.0028	0.0050	0.00018	mg/kg	J
103-65-1	n-Propylbenzene	ND	0.0050	0.00017	mg/kg	
108-88-3	Toluene	0.00037	0.00099	0.00014	mg/kg	J
95-63-6	1,2,4-Trimethylbenzene	0.0011	0.0050	0.00016	mg/kg	J
108-67-8	1,3,5-Trimethylbenzene	0.00041	0.0050	0.00022	mg/kg	J
	m,p-Xylene	0.00076	0.00099	0.00048	mg/kg	J
95-47-6	o-Xylene	0.00039	0.00099	0.00018	mg/kg	J
1330-20-7	Xylene (total)	0.0011	0.00099	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		59-130%
17060-07-0	1,2-Dichloroethane-D4	93%		65-123%
2037-26-5	Toluene-D8	106%		77-125%
460-00-4	4-Bromofluorobenzene	98%		71-132%

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

Client Sample ID:	394-UST-4-PE-1		
Lab Sample ID:	JB69926-6	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	88.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33716.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	33.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.0473	0.034	0.0097	mg/kg	
208-96-8	Acenaphthylene	ND	0.034	0.011	mg/kg	
120-12-7	Anthracene	0.0506	0.034	0.012	mg/kg	
56-55-3	Benzo(a)anthracene	0.150	0.034	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	0.145	0.034	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.165	0.034	0.011	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0830	0.034	0.012	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0702	0.034	0.013	mg/kg	
218-01-9	Chrysene	0.168	0.034	0.011	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0243	0.034	0.011	mg/kg	J
206-44-0	Fluoranthene	0.329	0.034	0.015	mg/kg	
86-73-7	Fluorene	0.0585	0.034	0.011	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0819	0.034	0.012	mg/kg	
91-20-3	Naphthalene	0.0575	0.034	0.0092	mg/kg	
85-01-8	Phenanthrene	0.185	0.034	0.015	mg/kg	
129-00-0	Pyrene	0.269	0.034	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		10-110%
321-60-8	2-Fluorobiphenyl	72%		17-110%
1718-51-0	Terphenyl-d14	87%		30-124%

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

Client Sample ID:	395-UST-4-PE-2		
Lab Sample ID:	JB69926-7	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146844.D	1	06/27/14	PS	n/a	n/a	VY6381
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00098	0.00012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0049	0.00094	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0049	0.00018	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0049	0.00016	mg/kg	
100-41-4	Ethylbenzene	ND	0.00098	0.00017	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0049	0.00014	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0049	0.00019	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00098	0.00034	mg/kg	
91-20-3	Naphthalene	ND	0.0049	0.00018	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0049	0.00016	mg/kg	
108-88-3	Toluene	ND	0.00098	0.00014	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0049	0.00016	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0049	0.00022	mg/kg	
	m,p-Xylene	ND	0.00098	0.00047	mg/kg	
95-47-6	o-Xylene	ND	0.00098	0.00017	mg/kg	
1330-20-7	Xylene (total)	ND	0.00098	0.00017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		59-130%
17060-07-0	1,2-Dichloroethane-D4	93%		65-123%
2037-26-5	Toluene-D8	106%		77-125%
460-00-4	4-Bromofluorobenzene	96%		71-132%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	395-UST-4-PE-2		
Lab Sample ID:	JB69926-7	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	88.0
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33717.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.509	0.035	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.035	0.011	mg/kg	
120-12-7	Anthracene	0.650	0.035	0.012	mg/kg	
56-55-3	Benzo(a)anthracene	1.38	0.035	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	1.18	0.035	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.39	0.035	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.601	0.035	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.503	0.035	0.013	mg/kg	
218-01-9	Chrysene	1.51	0.035	0.012	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.184	0.035	0.012	mg/kg	
206-44-0	Fluoranthene	3.25	0.035	0.016	mg/kg	
86-73-7	Fluorene	0.471	0.035	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.595	0.035	0.012	mg/kg	
91-20-3	Naphthalene	0.612	0.035	0.0096	mg/kg	
85-01-8	Phenanthrene	3.09	0.035	0.016	mg/kg	
129-00-0	Pyrene	2.76	0.035	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		10-110%
321-60-8	2-Fluorobiphenyl	88%		17-110%
1718-51-0	Terphenyl-d14	91%		30-124%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	396-UST-4-PE-3		
Lab Sample ID:	JB69926-8	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	89.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146866.D	1	06/30/14	PS	n/a	n/a	VY6383
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00013	mg/kg	
104-51-8	n-Butylbenzene	0.0024	0.0052	0.00099	mg/kg	J
135-98-8	sec-Butylbenzene	0.0021	0.0052	0.00019	mg/kg	J
98-06-6	tert-Butylbenzene	ND	0.0052	0.00017	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00018	mg/kg	
98-82-8	Isopropylbenzene	0.00089	0.0052	0.00015	mg/kg	J
99-87-6	p-Isopropyltoluene	ND	0.0052	0.00020	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00035	mg/kg	
91-20-3	Naphthalene	0.0019	0.0052	0.00019	mg/kg	J
103-65-1	n-Propylbenzene	0.00095	0.0052	0.00017	mg/kg	J
108-88-3	Toluene	ND	0.0010	0.00015	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0052	0.00017	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0052	0.00023	mg/kg	
	m,p-Xylene	ND	0.0010	0.00050	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00018	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		59-130%
17060-07-0	1,2-Dichloroethane-D4	90%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	104%		71-132%

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

Client Sample ID:	396-UST-4-PE-3		
Lab Sample ID:	JB69926-8	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33718.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.232	0.036	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.011	mg/kg	
120-12-7	Anthracene	0.147	0.036	0.012	mg/kg	
56-55-3	Benzo(a)anthracene	0.266	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.228	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.271	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.140	0.036	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.105	0.036	0.013	mg/kg	
218-01-9	Chrysene	0.307	0.036	0.012	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0385	0.036	0.012	mg/kg	
206-44-0	Fluoranthene	0.633	0.036	0.016	mg/kg	
86-73-7	Fluorene	0.337	0.036	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.130	0.036	0.012	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0097	mg/kg	
85-01-8	Phenanthrene	0.507	0.036	0.016	mg/kg	
129-00-0	Pyrene	0.504	0.036	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		10-110%
321-60-8	2-Fluorobiphenyl	83%		17-110%
1718-51-0	Terphenyl-d14	89%		30-124%

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

Client Sample ID:	397-UST-4-PE-4		
Lab Sample ID:	JB69926-9	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	88.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146848.D	1	06/27/14	PS	n/a	n/a	VY6381
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00093	0.00012	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0046	0.00089	mg/kg	
135-98-8	sec-Butylbenzene	0.0022	0.0046	0.00017	mg/kg	J
98-06-6	tert-Butylbenzene	ND	0.0046	0.00015	mg/kg	
100-41-4	Ethylbenzene	ND	0.00093	0.00016	mg/kg	
98-82-8	Isopropylbenzene	0.0016	0.0046	0.00014	mg/kg	J
99-87-6	p-Isopropyltoluene	ND	0.0046	0.00018	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00093	0.00032	mg/kg	
91-20-3	Naphthalene	0.0018	0.0046	0.00017	mg/kg	J
103-65-1	n-Propylbenzene	0.0022	0.0046	0.00016	mg/kg	J
108-88-3	Toluene	ND	0.00093	0.00013	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0046	0.00015	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0046	0.00021	mg/kg	
	m,p-Xylene	ND	0.00093	0.00045	mg/kg	
95-47-6	o-Xylene	ND	0.00093	0.00017	mg/kg	
1330-20-7	Xylene (total)	ND	0.00093	0.00017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		59-130%
17060-07-0	1,2-Dichloroethane-D4	90%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	100%		71-132%

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

Client Sample ID:	397-UST-4-PE-4		
Lab Sample ID:	JB69926-9	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	88.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3P33719.D	1	07/11/14	FM	06/24/14	OP75897	E3P1441
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.100	0.037	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.012	mg/kg	
120-12-7	Anthracene	0.0427	0.037	0.013	mg/kg	
56-55-3	Benzo(a)anthracene	0.0498	0.037	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.0646	0.037	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0405	0.037	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0885	0.037	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.037	0.014	mg/kg	
218-01-9	Chrysene	0.0562	0.037	0.013	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.0158	0.037	0.013	mg/kg	J
206-44-0	Fluoranthene	0.0929	0.037	0.016	mg/kg	
86-73-7	Fluorene	0.156	0.037	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0330	0.037	0.013	mg/kg	J
91-20-3	Naphthalene	ND	0.037	0.010	mg/kg	
85-01-8	Phenanthrene	0.259	0.037	0.017	mg/kg	
129-00-0	Pyrene	0.0807	0.037	0.014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	88%		10-110%
321-60-8	2-Fluorobiphenyl	84%		17-110%
1718-51-0	Terphenyl-d14	91%		30-124%

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

Client Sample ID:	398-UST-4-PE-5		
Lab Sample ID:	JB69926-10	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	87.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146803.D	1	06/26/14	PS	n/a	n/a	VY6380
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00014	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0055	0.0011	mg/kg	
135-98-8	sec-Butylbenzene	0.00057	0.0055	0.00020	mg/kg	J
98-06-6	tert-Butylbenzene	ND	0.0055	0.00018	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00019	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0055	0.00016	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0055	0.00021	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00038	mg/kg	
91-20-3	Naphthalene	0.0010	0.0055	0.00020	mg/kg	J
103-65-1	n-Propylbenzene	ND	0.0055	0.00018	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00016	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0055	0.00018	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0055	0.00024	mg/kg	
	m,p-Xylene	ND	0.0011	0.00053	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00020	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		59-130%
17060-07-0	1,2-Dichloroethane-D4	91%		65-123%
2037-26-5	Toluene-D8	107%		77-125%
460-00-4	4-Bromofluorobenzene	98%		71-132%

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

Client Sample ID:	398-UST-4-PE-5		
Lab Sample ID:	JB69926-10	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	87.4
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86851.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
Run #2	P86873.D	5	06/30/14	HK	06/24/14	OP75898	EP3699

	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2	32.2 g	1.0 ml

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.853	0.036	0.010	mg/kg	
208-96-8	Acenaphthylene	0.311	0.036	0.011	mg/kg	
120-12-7	Anthracene	1.42	0.036	0.012	mg/kg	
56-55-3	Benzo(a)anthracene	4.12 [a]	0.18	0.058	mg/kg	
50-32-8	Benzo(a)pyrene	2.85	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	3.85 [a]	0.18	0.059	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.36	0.036	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.21	0.036	0.013	mg/kg	
218-01-9	Chrysene	4.45 [a]	0.18	0.060	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.501	0.036	0.012	mg/kg	
206-44-0	Fluoranthene	8.57 [a]	0.18	0.078	mg/kg	
86-73-7	Fluorene	1.22	0.036	0.012	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.21	0.036	0.012	mg/kg	
91-20-3	Naphthalene	2.33	0.036	0.0097	mg/kg	
85-01-8	Phenanthrene	7.13 [a]	0.18	0.081	mg/kg	
129-00-0	Pyrene	7.51 [a]	0.18	0.068	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	105%	98%	10-110%
321-60-8	2-Fluorobiphenyl	83%	77%	17-110%
1718-51-0	Terphenyl-d14	91%	86%	30-124%

(a) Result is from Run# 2

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

Client Sample ID:	387-FB-17		
Lab Sample ID:	JB69926-11	**Date Sampled:**	06/19/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B120716.D	1	06/28/14	PR	n/a	n/a	V2B5478
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	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.28	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.30	ug/l	
74-83-9	Bromomethane	ND	2.0	0.56	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	3.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.23	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.35	ug/l	
75-00-3	Chloroethane	ND	1.0	0.39	ug/l	
67-66-3	Chloroform	ND	1.0	0.25	ug/l	
74-87-3	Chloromethane	ND	1.0	0.36	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.18	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.19	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.16	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.31	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.38	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
76-13-1	Freon 113	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	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:	387-FB-17		
Lab Sample ID:	JB69926-11	**Date Sampled:**	06/19/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.22	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.29	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.5	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.86	ug/l	
100-42-5	Styrene	ND	5.0	0.30	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.44	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.24	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	1.0	0.40	ug/l	
95-47-6	o-Xylene	ND	1.0	0.19	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		79-120%
17060-07-0	1,2-Dichloroethane-D4	91%		72-123%
2037-26-5	Toluene-D8	101%		78-119%
460-00-4	4-Bromofluorobenzene	96%		74-119%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	387-FB-17		
Lab Sample ID:	JB69926-11	**Date Sampled:**	06/19/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M105998.D	1	07/03/14	SP	06/25/14	OP75936	EM4334
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	1.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	1.4	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.2	1.7	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	7.0	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.4	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.4	ug/l	
	3&4-Methylphenol	ND	2.2	1.2	ug/l	
88-75-5	2-Nitrophenol	ND	5.4	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	11	0.98	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	0.59	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.4	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	1.7	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.32	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.22	ug/l	
98-86-2	Acetophenone	ND	2.2	0.39	ug/l	
120-12-7	Anthracene	ND	1.1	0.20	ug/l	
1912-24-9	Atrazine	ND	2.2	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.4	0.72	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.26	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.24	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.24	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.27	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.24	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.29	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.37	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.32	ug/l	
86-74-8	Carbazole	ND	1.1	0.18	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:	387-FB-17		
Lab Sample ID:	JB69926-11	**Date Sampled:**	06/19/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.44	ug/l	
218-01-9	Chrysene	ND	1.1	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.45	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.47	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.44	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.41	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.1	0.35	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.1	0.27	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.2	0.60	ug/l	
123-91-1	1,4-Dioxane	ND	1.1	0.77	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.30	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.25	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.62	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.27	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.25	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.60	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.17	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.49	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.42	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	0.52	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.31	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.43	ug/l	
78-59-1	Isophorone	ND	2.2	0.36	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.31	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	0.34	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	0.28	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	0.32	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.56	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.41	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.20	ug/l	
129-00-0	Pyrene	ND	1.1	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		10-110%

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:	387-FB-17		
Lab Sample ID:	JB69926-11	**Date Sampled:**	06/19/14
Matrix:	AQ - Field Blank Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	36%		10-110%
118-79-6	2,4,6-Tribromophenol	88%		29-139%
4165-60-0	Nitrobenzene-d5	78%		28-131%
321-60-8	2-Fluorobiphenyl	75%		30-121%
1718-51-0	Terphenyl-d14	83%		16-147%

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: 387-FB-17
Lab Sample ID: JB69926-11
Matrix: AQ - Field Blank Soil
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Date Sampled: 06/19/14
Date Received: 06/20/14
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11 U	200	11	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Antimony	2.6 U	6.0	2.6	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Arsenic	2.6 U	3.0	2.6	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Barium	1.0 U	200	1.0	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Beryllium	0.40 U	1.0	0.40	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Cadmium	0.70 U	3.0	0.70	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Calcium	32.2 B	5000	19	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Chromium	0.89 U	10	0.89	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Cobalt	0.83 U	50	0.83	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Copper	1.2 U	10	1.2	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Iron	12 U	100	12	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Lead	1.3 U	3.0	1.3	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Magnesium	41 U	5000	41	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Manganese	0.48 U	15	0.48	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Mercury	0.070 B	0.20	0.064	ug/l	1	06/27/14	06/27/14	JW	SW846 7470A [2]	SW846 7470A [4]
Nickel	0.75 U	10	0.75	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Potassium	50 U	10000	50	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Selenium	3.6 U	10	3.6	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Silver	1.2 U	10	1.2	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Sodium	77.0 B	10000	19	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Thallium	1.8 U	10	1.8	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Vanadium	0.87 U	50	0.87	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]
Zinc	7.6 U	20	7.6	ug/l	1	06/23/14	06/23/14	ND	SW846 6010C [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA34296
(2) Instrument QC Batch: MA34338
(3) Prep QC Batch: MP80218
(4) Prep QC Batch: MP80331

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

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Report of Analysis

Client Sample ID:	388-TB-16		
Lab Sample ID:	JB69926-12	**Date Sampled:**	06/20/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B120717.D	1	06/28/14	PR	n/a	n/a	V2B5478
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	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.28	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.30	ug/l	
74-83-9	Bromomethane	ND	2.0	0.56	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	3.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.23	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.35	ug/l	
75-00-3	Chloroethane	ND	1.0	0.39	ug/l	
67-66-3	Chloroform	ND	1.0	0.25	ug/l	
74-87-3	Chloromethane	ND	1.0	0.36	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.18	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.19	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.16	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.31	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.38	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
76-13-1	Freon 113	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	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:	388-TB-16		
Lab Sample ID:	JB69926-12	**Date Sampled:**	06/20/14
Matrix:	AQ - Trip Blank Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	0.22	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.29	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.5	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.86	ug/l	
100-42-5	Styrene	ND	5.0	0.30	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.44	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.24	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	1.0	0.40	ug/l	
95-47-6	o-Xylene	ND	1.0	0.19	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-120%
17060-07-0	1,2-Dichloroethane-D4	92%		72-123%
2037-26-5	Toluene-D8	101%		78-119%
460-00-4	4-Bromofluorobenzene	95%		74-119%

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

Client Sample ID:	334-PE-100		
Lab Sample ID:	JB69926-13	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146804.D	1	06/26/14	PS	n/a	n/a	VY6380
Run #2							

	Initial Weight
Run #1	6.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0052	0.0087	0.0040	mg/kg	J
71-43-2	Benzene	ND	0.00087	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0044	0.00045	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0044	0.00025	mg/kg	
75-25-2	Bromoform	ND	0.0044	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0044	0.00042	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0087	0.0038	mg/kg	
75-15-0	Carbon disulfide	0.00071	0.0044	0.00012	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0044	0.00022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0044	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0044	0.00087	mg/kg	
67-66-3	Chloroform	ND	0.0044	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0044	0.00030	mg/kg	
110-82-7	Cyclohexane	ND	0.0044	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0087	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0044	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00087	0.00048	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0044	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0044	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0044	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0044	0.00031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0044	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00087	0.00028	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0044	0.00025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0044	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0044	0.00037	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0044	0.00038	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0044	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0044	0.00024	mg/kg	
100-41-4	Ethylbenzene	ND	0.00087	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0044	0.00038	mg/kg	
591-78-6	2-Hexanone	ND	0.0044	0.0016	mg/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:	334-PE-100		
Lab Sample ID:	JB69926-13	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0044	0.00013	mg/kg	
79-20-9	Methyl Acetate	ND	0.0044	0.0015	mg/kg	
108-87-2	Methylcyclohexane	0.00054	0.0044	0.00014	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00087	0.00030	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0044	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0044	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0044	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0044	0.00030	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0044	0.00036	mg/kg	
108-88-3	Toluene	ND	0.00087	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0044	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0044	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0044	0.00025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0044	0.00072	mg/kg	
79-01-6	Trichloroethene	ND	0.0044	0.00031	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0044	0.00020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0044	0.00030	mg/kg	
	m,p-Xylene	ND	0.00087	0.00042	mg/kg	
95-47-6	o-Xylene	ND	0.00087	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00087	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		59-130%
17060-07-0	1,2-Dichloroethane-D4	90%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	98%		71-132%

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

Client Sample ID:	334-PE-100		
Lab Sample ID:	JB69926-13	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62861.D	1	07/05/14	HK	06/24/14	OP75898	E3E2692
Run #2							

	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.072	0.036	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.058	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.060	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.72	0.044	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.72	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.072	0.041	mg/kg	
	3&4-Methylphenol	ND	0.072	0.045	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.038	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.060	mg/kg	
87-86-5	Pentachlorophenol	ND	0.36	0.061	mg/kg	
108-95-2	Phenol	ND	0.072	0.038	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.037	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.041	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.034	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0063	mg/kg	
120-12-7	Anthracene	ND	0.036	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.072	0.0070	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.072	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.072	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.072	0.0041	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0082	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.072	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.011	mg/kg	
86-74-8	Carbazole	ND	0.072	0.017	mg/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:	334-PE-100		
Lab Sample ID:	JB69926-13	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.072	0.011	mg/kg	
218-01-9	Chrysene	ND	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.072	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.072	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.072	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.072	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.072	0.0091	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.072	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.072	0.0079	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.072	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.072	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.072	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.072	0.032	mg/kg	
206-44-0	Fluoranthene	ND	0.036	0.016	mg/kg	
86-73-7	Fluorene	ND	0.036	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.072	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.0099	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.036	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.0099	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.036	0.012	mg/kg	
78-59-1	Isophorone	ND	0.072	0.0096	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.072	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0098	mg/kg	
98-95-3	Nitrobenzene	ND	0.072	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.072	0.0087	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.021	mg/kg	
85-01-8	Phenanthrene	ND	0.036	0.016	mg/kg	
129-00-0	Pyrene	ND	0.036	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		13-110%

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:	334-PE-100		
Lab Sample ID:	JB69926-13	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	89.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	77%		15-110%
118-79-6	2,4,6-Tribromophenol	103%		20-123%
4165-60-0	Nitrobenzene-d5	89%		10-110%
321-60-8	2-Fluorobiphenyl	84%		17-110%
1718-51-0	Terphenyl-d14	92%		30-124%

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

Client Sample ID:	335-PE-101		
Lab Sample ID:	JB69926-14	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	86.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146814.D	1	06/26/14	PS	n/a	n/a	VY6380
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0200	0.0095	0.0043	mg/kg	
71-43-2	Benzene	ND	0.00095	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0047	0.00049	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0047	0.00027	mg/kg	
75-25-2	Bromoform	ND	0.0047	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0047	0.00046	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0095	0.0042	mg/kg	
75-15-0	Carbon disulfide	ND	0.0047	0.00013	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0047	0.00024	mg/kg	
108-90-7	Chlorobenzene	ND	0.0047	0.00019	mg/kg	
75-00-3	Chloroethane	ND	0.0047	0.00094	mg/kg	
67-66-3	Chloroform	ND	0.0047	0.00024	mg/kg	
74-87-3	Chloromethane	ND	0.0047	0.00033	mg/kg	
110-82-7	Cyclohexane	0.0053	0.0047	0.00024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0095	0.0013	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0047	0.00023	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00095	0.00052	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0047	0.00032	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0047	0.00021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0047	0.00024	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0047	0.00033	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0047	0.00030	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00095	0.00030	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0047	0.00027	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0047	0.00020	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0047	0.00040	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0047	0.00041	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0047	0.00022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0047	0.00026	mg/kg	
100-41-4	Ethylbenzene	ND	0.00095	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0047	0.00041	mg/kg	
591-78-6	2-Hexanone	ND	0.0047	0.0017	mg/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:	335-PE-101		
Lab Sample ID:	JB69926-14	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	86.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0017	0.0047	0.00014	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0047	0.0016	mg/kg	
108-87-2	Methylcyclohexane	0.0339	0.0047	0.00016	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00095	0.00033	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0047	0.0013	mg/kg	
75-09-2	Methylene chloride	ND	0.0047	0.0016	mg/kg	
100-42-5	Styrene	ND	0.0047	0.00022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0047	0.00032	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0047	0.00039	mg/kg	
108-88-3	Toluene	ND	0.00095	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0047	0.00020	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0047	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0047	0.00027	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0047	0.00078	mg/kg	
79-01-6	Trichloroethene	ND	0.0047	0.00033	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0047	0.00021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0047	0.00032	mg/kg	
	m,p-Xylene	ND	0.00095	0.00046	mg/kg	
95-47-6	o-Xylene	ND	0.00095	0.00017	mg/kg	
1330-20-7	Xylene (total)	ND	0.00095	0.00017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		59-130%
17060-07-0	1,2-Dichloroethane-D4	91%		65-123%
2037-26-5	Toluene-D8	106%		77-125%
460-00-4	4-Bromofluorobenzene	98%		71-132%

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

Client Sample ID:	335-PE-101		
Lab Sample ID:	JB69926-14	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	86.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62864.D	1	07/05/14	HK	06/24/14	OP75898	E3E2692
Run #2							

	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.036	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.036	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.059	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.061	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.73	0.044	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.73	0.044	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.041	mg/kg	
	3&4-Methylphenol	ND	0.073	0.046	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.039	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.061	mg/kg	
87-86-5	Pentachlorophenol	ND	0.36	0.062	mg/kg	
108-95-2	Phenol	ND	0.073	0.038	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.037	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.042	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.034	mg/kg	
83-32-9	Acenaphthene	0.0455	0.036	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0064	mg/kg	
120-12-7	Anthracene	0.0242	0.036	0.013	mg/kg	J
1912-24-9	Atrazine	ND	0.073	0.0072	mg/kg	
56-55-3	Benzo(a)anthracene	0.0988	0.036	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.113	0.036	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0442	0.036	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.118	0.036	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.014	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.073	0.0042	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0084	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.012	mg/kg	
86-74-8	Carbazole	ND	0.073	0.017	mg/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:	335-PE-101		
Lab Sample ID:	JB69926-14	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	86.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.073	0.011	mg/kg	
218-01-9	Chrysene	0.134	0.036	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.073	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.0092	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.036	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.073	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0081	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.073	0.032	mg/kg	
206-44-0	Fluoranthene	0.0265	0.036	0.016	mg/kg	J
86-73-7	Fluorene	0.0973	0.036	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.073	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.037	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0376	0.036	0.013	mg/kg	
78-59-1	Isophorone	ND	0.073	0.0098	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.073	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.036	0.0099	mg/kg	
98-95-3	Nitrobenzene	ND	0.073	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	0.0089	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.022	mg/kg	
85-01-8	Phenanthrene	0.136	0.036	0.017	mg/kg	
129-00-0	Pyrene	0.114	0.036	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		13-110%

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:	335-PE-101		
Lab Sample ID:	JB69926-14	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	86.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	68%		15-110%
118-79-6	2,4,6-Tribromophenol	106%		20-123%
4165-60-0	Nitrobenzene-d5	80%		10-110%
321-60-8	2-Fluorobiphenyl	81%		17-110%
1718-51-0	Terphenyl-d14	94%		30-124%

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

Client Sample ID:	336-PE-102		
Lab Sample ID:	JB69926-15	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	87.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146805.D	1	06/26/14	PS	n/a	n/a	VY6380
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0375	0.0092	0.0042	mg/kg	
71-43-2	Benzene	ND	0.00092	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0046	0.00048	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0046	0.00026	mg/kg	
75-25-2	Bromoform	ND	0.0046	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0046	0.00044	mg/kg	
78-93-3	2-Butanone (MEK)	0.0051	0.0092	0.0040	mg/kg	J
75-15-0	Carbon disulfide	0.0010	0.0046	0.00013	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0046	0.00023	mg/kg	
108-90-7	Chlorobenzene	ND	0.0046	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0046	0.00091	mg/kg	
67-66-3	Chloroform	ND	0.0046	0.00023	mg/kg	
74-87-3	Chloromethane	ND	0.0046	0.00031	mg/kg	
110-82-7	Cyclohexane	ND	0.0046	0.00024	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0092	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0046	0.00022	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00092	0.00050	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0046	0.00031	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0046	0.00020	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0046	0.00023	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0046	0.00032	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0046	0.00029	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00092	0.00029	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0046	0.00026	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0046	0.00019	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0046	0.00039	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0046	0.00040	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0046	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0046	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.00092	0.00016	mg/kg	
76-13-1	Freon 113	ND	0.0046	0.00040	mg/kg	
591-78-6	2-Hexanone	ND	0.0046	0.0016	mg/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:	336-PE-102		
Lab Sample ID:	JB69926-15	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	87.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0046	0.00013	mg/kg	
79-20-9	Methyl Acetate	ND	0.0046	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0046	0.00015	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00092	0.00031	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0046	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0046	0.0016	mg/kg	
100-42-5	Styrene	ND	0.0046	0.00021	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0046	0.00031	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0046	0.00038	mg/kg	
108-88-3	Toluene	ND	0.00092	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0046	0.00019	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0046	0.00017	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0046	0.00026	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0046	0.00075	mg/kg	
79-01-6	Trichloroethene	ND	0.0046	0.00032	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0046	0.00021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0046	0.00031	mg/kg	
	m,p-Xylene	ND	0.00092	0.00044	mg/kg	
95-47-6	o-Xylene	ND	0.00092	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00092	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		59-130%
17060-07-0	1,2-Dichloroethane-D4	90%		65-123%
2037-26-5	Toluene-D8	106%		77-125%
460-00-4	4-Bromofluorobenzene	98%		71-132%

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

Client Sample ID:	336-PE-102		
Lab Sample ID:	JB69926-15	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	87.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62865.D	1	07/05/14	HK	06/24/14	OP75898	E3E2692
Run #2							

	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.037	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.037	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.059	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.061	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.73	0.045	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.73	0.045	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.042	mg/kg	
	3&4-Methylphenol	ND	0.073	0.046	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.039	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.062	mg/kg	
87-86-5	Pentachlorophenol	ND	0.37	0.063	mg/kg	
108-95-2	Phenol	ND	0.073	0.038	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.038	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.042	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.034	mg/kg	
83-32-9	Acenaphthene	ND	0.037	0.011	mg/kg	
208-96-8	Acenaphthylene	ND	0.037	0.012	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0064	mg/kg	
120-12-7	Anthracene	ND	0.037	0.013	mg/kg	
1912-24-9	Atrazine	ND	0.073	0.0072	mg/kg	
56-55-3	Benzo(a)anthracene	0.0832	0.037	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.0823	0.037	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.0302	0.037	0.012	mg/kg	J
191-24-2	Benzo(g,h,i)perylene	0.0670	0.037	0.014	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.037	0.014	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.021	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.073	0.0042	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0084	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.012	mg/kg	
86-74-8	Carbazole	ND	0.073	0.017	mg/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:	336-PE-102		
Lab Sample ID:	JB69926-15	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	87.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.073	0.012	mg/kg	
218-01-9	Chrysene	0.109	0.037	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.015	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.073	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.016	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.014	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.0093	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.037	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.073	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0081	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.018	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.013	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.073	0.032	mg/kg	
206-44-0	Fluoranthene	ND	0.037	0.016	mg/kg	
86-73-7	Fluorene	ND	0.037	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.073	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.010	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.037	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0198	0.037	0.013	mg/kg	J
78-59-1	Isophorone	ND	0.073	0.0098	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.073	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.015	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.037	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.073	0.011	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	0.0089	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.022	mg/kg	
85-01-8	Phenanthrene	0.0386	0.037	0.017	mg/kg	
129-00-0	Pyrene	0.0678	0.037	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		13-110%

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:	336-PE-102		
Lab Sample ID:	JB69926-15	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	87.9
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	57%		15-110%
118-79-6	2,4,6-Tribromophenol	101%		20-123%
4165-60-0	Nitrobenzene-d5	65%		10-110%
321-60-8	2-Fluorobiphenyl	65%		17-110%
1718-51-0	Terphenyl-d14	87%		30-124%

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

Client Sample ID:	337-PE-103		
Lab Sample ID:	JB69926-16	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	85.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146806.D	1	06/26/14	PS	n/a	n/a	VY6380
Run #2							

	Initial Weight
Run #1	6.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0067	0.0087	0.0040	mg/kg	J
71-43-2	Benzene	ND	0.00087	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0044	0.00045	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0044	0.00024	mg/kg	
75-25-2	Bromoform	ND	0.0044	0.00023	mg/kg	
74-83-9	Bromomethane	ND	0.0044	0.00042	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0087	0.0038	mg/kg	
75-15-0	Carbon disulfide	0.00081	0.0044	0.00012	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0044	0.00022	mg/kg	
108-90-7	Chlorobenzene	ND	0.0044	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0044	0.00087	mg/kg	
67-66-3	Chloroform	ND	0.0044	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0044	0.00030	mg/kg	
110-82-7	Cyclohexane	ND	0.0044	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0087	0.0012	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0044	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00087	0.00048	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0044	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0044	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0044	0.00022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0044	0.00031	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0044	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00087	0.00028	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0044	0.00025	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0044	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0044	0.00037	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0044	0.00038	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0044	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0044	0.00024	mg/kg	
100-41-4	Ethylbenzene	ND	0.00087	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0044	0.00038	mg/kg	
591-78-6	2-Hexanone	ND	0.0044	0.0016	mg/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:	337-PE-103		
Lab Sample ID:	JB69926-16	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	85.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0044	0.00013	mg/kg	
79-20-9	Methyl Acetate	ND	0.0044	0.0015	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0044	0.00014	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00087	0.00030	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0044	0.0012	mg/kg	
75-09-2	Methylene chloride	ND	0.0044	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0044	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0044	0.00030	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0044	0.00036	mg/kg	
108-88-3	Toluene	ND	0.00087	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0044	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0044	0.00016	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0044	0.00025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0044	0.00072	mg/kg	
79-01-6	Trichloroethene	ND	0.0044	0.00031	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0044	0.00020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0044	0.00030	mg/kg	
	m,p-Xylene	ND	0.00087	0.00042	mg/kg	
95-47-6	o-Xylene	ND	0.00087	0.00016	mg/kg	
1330-20-7	Xylene (total)	ND	0.00087	0.00016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		59-130%
17060-07-0	1,2-Dichloroethane-D4	89%		65-123%
2037-26-5	Toluene-D8	106%		77-125%
460-00-4	4-Bromofluorobenzene	96%		71-132%

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

Client Sample ID:	337-PE-103		
Lab Sample ID:	JB69926-16	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	85.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62866.D	1	07/05/14	HK	06/24/14	OP75898	E3E2692
Run #2							

	Initial Weight	Final Volume
Run #1	33.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.071	0.035	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.035	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.057	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.059	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.71	0.043	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.71	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.071	0.040	mg/kg	
	3&4-Methylphenol	ND	0.071	0.045	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.038	mg/kg	
100-02-7	4-Nitrophenol	ND	0.35	0.060	mg/kg	
87-86-5	Pentachlorophenol	ND	0.35	0.061	mg/kg	
108-95-2	Phenol	ND	0.071	0.037	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.036	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.041	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.033	mg/kg	
83-32-9	Acenaphthene	ND	0.035	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.035	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0062	mg/kg	
120-12-7	Anthracene	ND	0.035	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.071	0.0070	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.035	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.035	0.011	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.035	0.012	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.035	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.035	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.071	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.071	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.071	0.0041	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0081	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.071	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.011	mg/kg	
86-74-8	Carbazole	ND	0.071	0.016	mg/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:	337-PE-103		
Lab Sample ID:	JB69926-16	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	85.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.071	0.011	mg/kg	
218-01-9	Chrysene	ND	0.035	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.071	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.071	0.011	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.071	0.011	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.071	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.035	0.015	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.035	0.013	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.071	0.0090	mg/kg	
123-91-1	1,4-Dioxane	ND	0.035	0.023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.035	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.071	0.011	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.071	0.0079	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.071	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.071	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.071	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.071	0.031	mg/kg	
206-44-0	Fluoranthene	ND	0.035	0.016	mg/kg	
86-73-7	Fluorene	ND	0.035	0.012	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.071	0.012	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.035	0.0098	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.35	0.036	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.0098	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.035	0.012	mg/kg	
78-59-1	Isophorone	ND	0.071	0.0095	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.071	0.020	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.016	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.014	mg/kg	
91-20-3	Naphthalene	ND	0.035	0.0097	mg/kg	
98-95-3	Nitrobenzene	ND	0.071	0.010	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.071	0.0086	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.021	mg/kg	
85-01-8	Phenanthrene	ND	0.035	0.016	mg/kg	
129-00-0	Pyrene	ND	0.035	0.014	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		13-110%

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:	337-PE-103		
Lab Sample ID:	JB69926-16	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	85.6
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	72%		15-110%
118-79-6	2,4,6-Tribromophenol	106%		20-123%
4165-60-0	Nitrobenzene-d5	78%		10-110%
321-60-8	2-Fluorobiphenyl	74%		17-110%
1718-51-0	Terphenyl-d14	92%		30-124%

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

Client Sample ID:	338-PE-104		
Lab Sample ID:	JB69926-17	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	90.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146807.D	1	06/26/14	PS	n/a	n/a	VY6380
Run #2							

	Initial Weight
Run #1	6.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0079	0.0085	0.0039	mg/kg	J
71-43-2	Benzene	ND	0.00085	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0042	0.00044	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0042	0.00024	mg/kg	
75-25-2	Bromoform	ND	0.0042	0.00022	mg/kg	
74-83-9	Bromomethane	ND	0.0042	0.00041	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0085	0.0037	mg/kg	
75-15-0	Carbon disulfide	ND	0.0042	0.00012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0042	0.00021	mg/kg	
108-90-7	Chlorobenzene	ND	0.0042	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0042	0.00085	mg/kg	
67-66-3	Chloroform	ND	0.0042	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0042	0.00029	mg/kg	
110-82-7	Cyclohexane	ND	0.0042	0.00022	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0085	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0042	0.00021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00085	0.00047	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0042	0.00029	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0042	0.00019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0042	0.00021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0042	0.00030	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0042	0.00027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00085	0.00027	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0042	0.00024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0042	0.00018	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0042	0.00036	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0042	0.00037	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0042	0.00019	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0042	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.00085	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0042	0.00037	mg/kg	
591-78-6	2-Hexanone	ND	0.0042	0.0015	mg/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:	338-PE-104		
Lab Sample ID:	JB69926-17	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	90.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0042	0.00012	mg/kg	
79-20-9	Methyl Acetate	ND	0.0042	0.0014	mg/kg	
108-87-2	Methylcyclohexane	0.00028	0.0042	0.00014	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.00085	0.00029	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0042	0.0011	mg/kg	
75-09-2	Methylene chloride	ND	0.0042	0.0014	mg/kg	
100-42-5	Styrene	ND	0.0042	0.00020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0042	0.00029	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0042	0.00035	mg/kg	
108-88-3	Toluene	ND	0.00085	0.00012	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0042	0.00018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0042	0.00015	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0042	0.00024	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0042	0.00070	mg/kg	
79-01-6	Trichloroethene	ND	0.0042	0.00030	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0042	0.00019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0042	0.00029	mg/kg	
	m,p-Xylene	ND	0.00085	0.00041	mg/kg	
95-47-6	o-Xylene	ND	0.00085	0.00015	mg/kg	
1330-20-7	Xylene (total)	ND	0.00085	0.00015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		59-130%
17060-07-0	1,2-Dichloroethane-D4	90%		65-123%
2037-26-5	Toluene-D8	106%		77-125%
460-00-4	4-Bromofluorobenzene	95%		71-132%

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

Client Sample ID:	338-PE-104		
Lab Sample ID:	JB69926-17	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	90.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62862.D	1	07/05/14	HK	06/24/14	OP75898	E3E2692
Run #2							

	Initial Weight	Final Volume
Run #1	32.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.068	0.034	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.034	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.055	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.057	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.68	0.042	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.68	0.042	mg/kg	
95-48-7	2-Methylphenol	ND	0.068	0.039	mg/kg	
	3&4-Methylphenol	ND	0.068	0.043	mg/kg	
88-75-5	2-Nitrophenol	ND	0.17	0.036	mg/kg	
100-02-7	4-Nitrophenol	ND	0.34	0.058	mg/kg	
87-86-5	Pentachlorophenol	ND	0.34	0.058	mg/kg	
108-95-2	Phenol	ND	0.068	0.036	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.035	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.040	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.032	mg/kg	
83-32-9	Acenaphthene	ND	0.034	0.0099	mg/kg	
208-96-8	Acenaphthylene	ND	0.034	0.011	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0060	mg/kg	
120-12-7	Anthracene	ND	0.034	0.012	mg/kg	
1912-24-9	Atrazine	ND	0.068	0.0067	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.034	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.034	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.034	0.011	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.034	0.013	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.034	0.013	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.068	0.012	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.068	0.020	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.068	0.0040	mg/kg	
100-52-7	Benzaldehyde	ND	0.17	0.0079	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.068	0.011	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.011	mg/kg	
86-74-8	Carbazole	ND	0.068	0.016	mg/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:	338-PE-104		
Lab Sample ID:	JB69926-17	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	90.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.068	0.011	mg/kg	
218-01-9	Chrysene	ND	0.034	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.068	0.014	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.068	0.010	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.068	0.010	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.068	0.010	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.034	0.015	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.034	0.013	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.068	0.0087	mg/kg	
123-91-1	1,4-Dioxane	ND	0.034	0.022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.034	0.012	mg/kg	
132-64-9	Dibenzofuran	ND	0.068	0.010	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.068	0.0076	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.068	0.017	mg/kg	
84-66-2	Diethyl phthalate	ND	0.068	0.012	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.068	0.012	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.068	0.030	mg/kg	
206-44-0	Fluoranthene	ND	0.034	0.015	mg/kg	
86-73-7	Fluorene	ND	0.034	0.011	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.068	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.034	0.0095	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.34	0.035	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.0095	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.034	0.012	mg/kg	
78-59-1	Isophorone	ND	0.068	0.0092	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.068	0.019	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.015	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.014	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.013	mg/kg	
91-20-3	Naphthalene	ND	0.034	0.0093	mg/kg	
98-95-3	Nitrobenzene	ND	0.068	0.0099	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.068	0.0083	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.020	mg/kg	
85-01-8	Phenanthrene	ND	0.034	0.016	mg/kg	
129-00-0	Pyrene	0.0139	0.034	0.013	mg/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%		13-110%

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:	338-PE-104		
Lab Sample ID:	JB69926-17	**Date Sampled:**	06/19/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	90.5
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	72%		15-110%
118-79-6	2,4,6-Tribromophenol	81%		20-123%
4165-60-0	Nitrobenzene-d5	79%		10-110%
321-60-8	2-Fluorobiphenyl	74%		17-110%
1718-51-0	Terphenyl-d14	75%		30-124%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	399-PE-17		
Lab Sample ID:	JB69926-18	**Date Sampled:**	06/20/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	58.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y146813.D	1	06/26/14	PS	n/a	n/a	VY6380
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0222	0.015	0.0067	mg/kg	
71-43-2	Benzene	ND	0.0015	0.00019	mg/kg	
74-97-5	Bromochloromethane	ND	0.0074	0.00077	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0074	0.00042	mg/kg	
75-25-2	Bromoform	ND	0.0074	0.00039	mg/kg	
74-83-9	Bromomethane	ND	0.0074	0.00071	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.015	0.0065	mg/kg	
75-15-0	Carbon disulfide	0.0058	0.0074	0.00021	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0074	0.00037	mg/kg	
108-90-7	Chlorobenzene	ND	0.0074	0.00029	mg/kg	
75-00-3	Chloroethane	ND	0.0074	0.0015	mg/kg	
67-66-3	Chloroform	ND	0.0074	0.00038	mg/kg	
74-87-3	Chloromethane	ND	0.0074	0.00051	mg/kg	
110-82-7	Cyclohexane	0.0183	0.0074	0.00038	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.015	0.0020	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0074	0.00036	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0015	0.00081	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0074	0.00050	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0074	0.00032	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0074	0.00037	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0074	0.00052	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0074	0.00046	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0015	0.00047	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0074	0.00042	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0074	0.00031	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0074	0.00063	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0074	0.00064	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0074	0.00034	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0074	0.00040	mg/kg	
100-41-4	Ethylbenzene	ND	0.0015	0.00026	mg/kg	
76-13-1	Freon 113	ND	0.0074	0.00064	mg/kg	
591-78-6	2-Hexanone	ND	0.0074	0.0026	mg/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:	399-PE-17		
Lab Sample ID:	JB69926-18	**Date Sampled:**	06/20/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8260C	**Percent Solids:**	58.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00058	0.0074	0.00022	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0074	0.0025	mg/kg	
108-87-2	Methylcyclohexane	0.0490	0.0074	0.00024	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0015	0.00051	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0074	0.0020	mg/kg	
75-09-2	Methylene chloride	ND	0.0074	0.0025	mg/kg	
100-42-5	Styrene	ND	0.0074	0.00034	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0074	0.00051	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0074	0.00061	mg/kg	
108-88-3	Toluene	ND	0.0015	0.00021	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0074	0.00031	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0074	0.00027	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0074	0.00042	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0074	0.0012	mg/kg	
79-01-6	Trichloroethene	ND	0.0074	0.00052	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0074	0.00033	mg/kg	
75-01-4	Vinyl chloride	ND	0.0074	0.00051	mg/kg	
	m,p-Xylene	0.0014	0.0015	0.00072	mg/kg	J
95-47-6	o-Xylene	0.0026	0.0015	0.00026	mg/kg	
1330-20-7	Xylene (total)	0.0040	0.0015	0.00026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		59-130%
17060-07-0	1,2-Dichloroethane-D4	100%		65-123%
2037-26-5	Toluene-D8	105%		77-125%
460-00-4	4-Bromofluorobenzene	98%		71-132%

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 LabLink@815166 15:18 18-Sep-2014

Report of Analysis

Client Sample ID:	399-PE-17		
Lab Sample ID:	JB69926-18	**Date Sampled:**	06/20/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	58.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E62863.D	1	07/05/14	HK	06/24/14	OP75898	E3E2692
Run #2							

	Initial Weight	Final Volume
Run #1	32.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.11	0.053	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.27	0.053	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.27	0.085	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.27	0.089	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.065	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1.1	0.065	mg/kg	
95-48-7	2-Methylphenol	ND	0.11	0.061	mg/kg	
	3&4-Methylphenol	ND	0.11	0.067	mg/kg	
88-75-5	2-Nitrophenol	ND	0.27	0.056	mg/kg	
100-02-7	4-Nitrophenol	ND	0.53	0.090	mg/kg	
87-86-5	Pentachlorophenol	ND	0.53	0.091	mg/kg	
108-95-2	Phenol	ND	0.11	0.056	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.27	0.055	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.27	0.062	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.27	0.050	mg/kg	
83-32-9	Acenaphthene	ND	0.053	0.015	mg/kg	
208-96-8	Acenaphthylene	ND	0.053	0.017	mg/kg	
98-86-2	Acetophenone	ND	0.27	0.0093	mg/kg	
120-12-7	Anthracene	ND	0.053	0.019	mg/kg	
1912-24-9	Atrazine	ND	0.11	0.010	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.053	0.017	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.053	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.053	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.053	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.053	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.11	0.019	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.11	0.031	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.11	0.0062	mg/kg	
100-52-7	Benzaldehyde	ND	0.27	0.012	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.11	0.016	mg/kg	
106-47-8	4-Chloroaniline	ND	0.27	0.017	mg/kg	
86-74-8	Carbazole	ND	0.11	0.025	mg/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:	399-PE-17		
Lab Sample ID:	JB69926-18	**Date Sampled:**	06/20/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	58.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.11	0.017	mg/kg	
218-01-9	Chrysene	ND	0.053	0.018	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.11	0.021	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.11	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.11	0.016	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.11	0.016	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.053	0.023	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.053	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.11	0.013	mg/kg	
123-91-1	1,4-Dioxane	ND	0.053	0.035	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.053	0.018	mg/kg	
132-64-9	Dibenzofuran	ND	0.11	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.11	0.012	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.11	0.026	mg/kg	
84-66-2	Diethyl phthalate	ND	0.11	0.018	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.11	0.019	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.11	0.047	mg/kg	
206-44-0	Fluoranthene	ND	0.053	0.023	mg/kg	
86-73-7	Fluorene	ND	0.053	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.11	0.017	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.053	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.53	0.054	mg/kg	
67-72-1	Hexachloroethane	ND	0.27	0.015	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.053	0.018	mg/kg	
78-59-1	Isophorone	ND	0.11	0.014	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.11	0.030	mg/kg	
88-74-4	2-Nitroaniline	ND	0.27	0.023	mg/kg	
99-09-2	3-Nitroaniline	ND	0.27	0.021	mg/kg	
100-01-6	4-Nitroaniline	ND	0.27	0.021	mg/kg	
91-20-3	Naphthalene	ND	0.053	0.014	mg/kg	
98-95-3	Nitrobenzene	ND	0.11	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.11	0.013	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.27	0.032	mg/kg	
85-01-8	Phenanthrene	ND	0.053	0.024	mg/kg	
129-00-0	Pyrene	ND	0.053	0.020	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.27	0.016	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		13-110%

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:	399-PE-17		
Lab Sample ID:	JB69926-18	**Date Sampled:**	06/20/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	58.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	61%		15-110%
118-79-6	2,4,6-Tribromophenol	84%		20-123%
4165-60-0	Nitrobenzene-d5	75%		10-110%
321-60-8	2-Fluorobiphenyl	67%		17-110%
1718-51-0	Terphenyl-d14	74%		30-124%

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:	399-PE-17		
Lab Sample ID:	JB69926-18	**Date Sampled:**	06/20/14
Matrix:	SO - Soil	**Date Received:**	06/20/14
		Percent Solids:	58.3
Project:	Carroll Gardens, 363-365 Bond Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	18300	86	2.3	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Antimony	0.46 U	3.4	0.46	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Arsenic	11.0	3.4	0.50	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Barium	41.5	34	0.14	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Beryllium	1.1	0.34	0.034	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Cadmium	0.24 B	0.86	0.086	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Calcium	2470	860	5.2	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Chromium	32.7	1.7	0.12	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Cobalt	11.0	8.6	0.10	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Copper	18.5	4.3	0.26	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Iron	36100	86	1.6	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Lead	33.5	3.4	0.36	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Magnesium	7460	860	5.8	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Manganese	438	2.6	0.10	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Mercury	0.041 B	0.052	0.012	mg/kg	1	06/30/14	06/30/14	DP	SW846 7471B [2]	SW846 7471B [4]
Nickel	33.5	6.9	0.17	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Potassium	3740	1700	6.8	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Selenium	0.57 U	3.4	0.57	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Silver	0.72 B	0.86	0.24	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Sodium	1510 B	1700	3.2	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Thallium	0.70 U	1.7	0.70	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Vanadium	36.9	8.6	0.15	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]
Zinc	90.4	3.4	0.65	mg/kg	1	06/25/14	06/26/14	MET	SW846 6010C [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA34319
(2) Instrument QC Batch: MA34346
(3) Prep QC Batch: MP80276
(4) Prep QC Batch: MP80382

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
B = Indicates a result > = MDL but < RL

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

SLL
FB
STB

CHAIN OF CUSTODY

PAGE 1 OF 1

ACCUTEST LABORATORIES

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

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JB69926

Client / Reporting Information

Company Name: Langan
Street Address: 619 River Drive
City: Elmwood Park State: NJ Zip: 07407
Project Contact: McMahon, Deckard E-mail:
Phone #: 201-794-6900 Fax #:
Sampler(s) Name(s): Christine B Madsen Phone #:

Project Information

Project Name: Bond St Redevelopment
Street: 365 Bond St
City: Brooklyn State: NY
Project #: 100287501
Client Purchase Order #:
Project Manager: McCloskey

Billing Information (if different from Report to)

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

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	CP-51 VOCs	CP-51 SVOCs	VOCs	SVOCs	Metals	LAB USE ONLY
1	389-UST-6-PE-1	—	6/19/2014	1336	CBM	S	4					1	2	1		X	X				E71
2	390-UST-6-PE-2	—	6/19/2014	1335	CBM	S	4					1	2	1		X	X				A28
3	391-UST-6-PE-3	—	6/19/2014	1340	CBM	S	4					1	2	1		X	X				V867
4	392-UST-6-PE-4	—	6/19/2014	1345	CBM	S	4					1	2	1		X	X				
5	393-UST-6-PE-5	—	6/19/2014	1430	CBM	S	4					1	2	1		X	X				D55
6	394-UST-4-PE-1	—	6/19/2014	1440	CBM	S	4					1	2	1		X	X				14R3
7	395-UST-4-PE-2	—	6/19/2014	1445	CBM	S	4					1	2	1		X	X				4966
8	396-UST-4-PE-3	—	6/19/2014	1450	CBM	S	4					1	2	1		X	X				
9	397-UST-4-PE-4	—	6/19/2014	1500	CBM	S	4					1	2	1		X	X				
10	398-UST-4-PE-5	—	6/19/2014	1505	CBM	S	4					1	2	1		X	X				
11	387-FB-17	—	6/19/2014	1715	CBM	FB	5	2	1			2				X	X	X	X	X	
12	388-TB-16	—	6/19/2014	1726	CBM	TB	2										X				

D.I. slurry voc vials frozen storage
Date: 6/20/14 Time: Initials: GK

Matrix Codes

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

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [X] EDD Format EQuIS
- [ ] Other Excel

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

electronic copies only
report to µg/kg to MDL

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		20JUN14 1340	1 Hai'Meen Johnson	2 Hai'Meen Johnson		2 NKthomas 6/20/14 1750
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # 992 & 994 [X] Intact [ ] Not intact	Preserved where applicable [ ]	On Ice [X] Cooler Temp. 2: 1, 3.2 °C

RF

JB69926: Chain of Custody
Page 1 of 5

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 2 OF ___

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

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job # JB69926

Client / Reporting Information

Company Name: Langan
Street Address: 619 River Drive
City: Elmwood Park State: NJ Zip: 07407
Project Contact: McMahon, Declan E-mail:
Phone #: Fax #:
Sampler(s) Name(s): Christine B Madsen Phone #:

Project Information

Project Name: Bond St Redevelopment
Street: 365 Bond St
City: Brooklyn State: NY
Project #: 100287501
Client Purchase Order #:
Project Manager: McCloskey

Billing Information (if different from Report to)

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

Requested Analysis (see TEST CODE sheet)

VOCs | SVOCs | Metals

Matrix Codes

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

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs	SVOCs	Metals	LAB USE ONLY
13	334 - PE-100	—	6/19/14	1620	CBM	S	4					1	2	1		X	X		
14	335 - PE-101	—	6/19/14	1645	CBM	S	4					1	2	1		X	X		
15	336 - PE-102	—	6/19/14	1610	CBM	S	4					1	2	1		X	X		
16	337 - PE-103	—	6/19/14	1615	CBM	S	4					1	2	1		X	X		
17	338 - PE-104	—	6/19/14	1605	CBM	S	4					1	2	1		X	X		
18	399 - PE-17	—	6/20/14	1045	CBM	S	4					1	2	1		X	X	X	

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [X] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other ____

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms EQUIS
- [X] EDD Format BRUNO FIELD
- [ ] Other ____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

electronic copies only
report to µg/kg + MDL

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		20JUN14 1340	1 Ha'Neen Johnson	2 Ha'Neen Johnson		2 [redacted] 6/20/14 1750
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal # 992 & 944 ☐ Intact ☐ Not intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp.

JB69926: Chain of Custody
Page 2 of 5

JB69926

SAMPLE #	MEOH VIAL	D.I. VIAL	D.I. VIAL
51	2844	2807	2808
52	2843	2805	2806
53	2849	2811	2818
54	2832	2783	2784
55	2839	2797	2798
56	2827	2777	2778
57	2824	2767	2768
58	2842	2803	2804
59	2837	2793	2794
60	2829	2773	5921
61	4502	5920	5937
62	4510	5936	5905
63	4490	5908	5913
64	4498	5912	5947
65	4516	5944	2810
66	2845	2809	
67			
68			
69			
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100			

JB69926: Chain of Custody
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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB69926 **Client:** LANGAN **Project:** BOND STREET REDEVELOPMENT

Date / Time Received: 6/20/2014 1750 **Delivery Method:** Other Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.1/1.8); #2: (3.2/2.9); 0

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

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No, Coolers	2	

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

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

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

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

Comments -10 Collection times on labels 15:10, not 15:05. ID and date ok

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB69926: Chain of Custody
Page 4 of 5

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB69926 **Initiator:** ANDREWS

CSR: Sasha May **Response Date:** 6/23/2014

Response: -10. The sample collection time is 1510 per Christine Madsen

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB69926: Chain of Custody
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Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69926

Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Project No: 100287501, 365 Bond St.

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69926-1 Collected: 19-JUN-14 13:36 By: CBM Received: 20-JUN-14 By: AS 389-UST-6-PE-1						
JB69926-1	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-1	SW846 8260C	25-JUN-14 23:57	PS			VC8260STAR
JB69926-1	SW846 8270D	09-JUL-14 21:30	SP	24-JUN-14	AQ	B8270PAH
JB69926-2 Collected: 19-JUN-14 13:35 By: CBM Received: 20-JUN-14 By: AS 390-UST-6-PE-2						
JB69926-2	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-2	SW846 8260C	26-JUN-14 00:26	PS			VC8260STAR
JB69926-2	SW846 8270D	11-JUL-14 20:22	FM	24-JUN-14	AQ	B8270PAH
JB69926-3 Collected: 19-JUN-14 13:40 By: CBM Received: 20-JUN-14 By: AS 391-UST-6-PE-3						
JB69926-3	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-3	SW846 8260C	27-JUN-14 18:01	PS			VC8260STAR
JB69926-3	SW846 8270D	11-JUL-14 20:48	FM	24-JUN-14	AQ	B8270PAH
JB69926-4 Collected: 19-JUN-14 13:45 By: CBM Received: 20-JUN-14 By: AS 392-UST-6-PE-4						
JB69926-4	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-4	SW846 8260C	27-JUN-14 19:28	PS			VC8260STAR
JB69926-4	SW846 8270D	11-JUL-14 21:13	FM	24-JUN-14	AQ	B8270PAH
JB69926-5 Collected: 19-JUN-14 14:30 By: CBM Received: 20-JUN-14 By: AS 393-UST-6-PE-5						
JB69926-5	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-5	SW846 8260C	27-JUN-14 19:56	PS			VC8260STAR
JB69926-5	SW846 8270D	11-JUL-14 21:38	FM	24-JUN-14	AQ	B8270PAH
JB69926-6 Collected: 19-JUN-14 14:40 By: CBM Received: 20-JUN-14 By: AS 394-UST-4-PE-1						
JB69926-6	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-6	SW846 8260C	27-JUN-14 18:59	PS			VC8260STAR

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69926

Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Project No: 100287501, 365 Bond St.

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69926-6	SW846 8270D	11-JUL-14 22:03	FM	24-JUN-14	AQ	B8270PAH
JB69926-7	Collected: 19-JUN-14 14:45 By: CBM	Received: 20-JUN-14 By: AS				
	395-UST-4-PE-2					
JB69926-7	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-7	SW846 8260C	27-JUN-14 18:30	PS			VC8260STAR
JB69926-7	SW846 8270D	11-JUL-14 22:28	FM	24-JUN-14	AQ	B8270PAH
JB69926-8	Collected: 19-JUN-14 14:50 By: CBM	Received: 20-JUN-14 By: AS				
	396-UST-4-PE-3					
JB69926-8	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-8	SW846 8260C	30-JUN-14 14:49	PS			VC8260STAR
JB69926-8	SW846 8270D	11-JUL-14 22:53	FM	24-JUN-14	AQ	B8270PAH
JB69926-9	Collected: 19-JUN-14 15:00 By: CBM	Received: 20-JUN-14 By: AS				
	397-UST-4-PE-4					
JB69926-9	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-9	SW846 8260C	27-JUN-14 20:25	PS			VC8260STAR
JB69926-9	SW846 8270D	11-JUL-14 23:18	FM	24-JUN-14	AQ	B8270PAH
JB69926-10	Collected: 19-JUN-14 15:05 By: CBM	Received: 20-JUN-14 By: AS				
	398-UST-4-PE-5					
JB69926-10	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-10	SW846 8260C	26-JUN-14 15:36	PS			VC8260STAR
JB69926-10	SW846 8270D	29-JUN-14 22:54	AD	24-JUN-14	AQ	B8270PAH
JB69926-10	SW846 8270D	30-JUN-14 17:27	HK	24-JUN-14	AQ	B8270PAH
JB69926-11	Collected: 19-JUN-14 17:15 By: CBM	Received: 20-JUN-14 By: AS				
	387-FB-17					
JB69926-11	SW846 6010C	23-JUN-14 18:46	ND	23-JUN-14	AH	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB69926-11	SW846 7470A	27-JUN-14 14:23	JW	27-JUN-14	JW	HG
JB69926-11	SW846 8260C	28-JUN-14 01:56	PR			VC8260TCL20
JB69926-11	SW846 8270D	03-JUL-14 18:31	SP	25-JUN-14	VP	AB8270TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69926

Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Project No: 100287501, 365 Bond St.

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69926-12	Collected: 20-JUN-14 10:45 By: CBM		Received: 20-JUN-14 By: AS			
388-TB-16						
JB69926-12	SW846 8260C	28-JUN-14 02:27	PR			VC8260TCL20
JB69926-13	Collected: 19-JUN-14 16:20 By: CBM		Received: 20-JUN-14 By: AS			
334-PE-100						
JB69926-13	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-13	SW846 8260C	26-JUN-14 16:04	PS			VC8260TCL20
JB69926-13	SW846 8270D	05-JUL-14 14:32	HK	24-JUN-14	AQ	AB8270TCL20
JB69926-14	Collected: 19-JUN-14 16:45 By: CBM		Received: 20-JUN-14 By: AS			
335-PE-101						
JB69926-14	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-14	SW846 8260C	26-JUN-14 20:51	PS			VC8260TCL20
JB69926-14	SW846 8270D	05-JUL-14 16:19	HK	24-JUN-14	AQ	AB8270TCL20
JB69926-15	Collected: 19-JUN-14 16:10 By: CBM		Received: 20-JUN-14 By: AS			
336-PE-102						
JB69926-15	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-15	SW846 8260C	26-JUN-14 16:33	PS			VC8260TCL20
JB69926-15	SW846 8270D	05-JUL-14 16:45	HK	24-JUN-14	AQ	AB8270TCL20
JB69926-16	Collected: 19-JUN-14 16:15 By: CBM		Received: 20-JUN-14 By: AS			
337-PE-103						
JB69926-16	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-16	SW846 8260C	26-JUN-14 17:01	PS			VC8260TCL20
JB69926-16	SW846 8270D	05-JUL-14 17:12	HK	24-JUN-14	AQ	AB8270TCL20
JB69926-17	Collected: 19-JUN-14 16:05 By: CBM		Received: 20-JUN-14 By: AS			
338-PE-104						
JB69926-17	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-17	SW846 8260C	26-JUN-14 17:30	PS			VC8260TCL20
JB69926-17	SW846 8270D	05-JUL-14 14:58	HK	24-JUN-14	AQ	AB8270TCL20

Internal Sample Tracking Chronicle

Langan Engineering & Environmental

Job No: JB69926

Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Project No: 100287501, 365 Bond St.

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB69926-18	Collected: 20-JUN-14 10:45 By: CBM		Received: 20-JUN-14 By: AS			
399-PE-17						
JB69926-18	SM2540 G-97	25-JUN-14 11:30	NR			%SOL
JB69926-18	SW846 6010C	26-JUN-14 04:23	MET	25-JUN-14	GM	AG,AL,AS,BA,BE,CA,CD,CO,CR, CU,FE,K,MG,MN,NA,NI,PB,SB, SE,TL,V,ZN
JB69926-18	SW846 8260C	26-JUN-14 20:22	PS			VC8260TCL20
JB69926-18	SW846 7471B	30-JUN-14 14:32	DP	30-JUN-14	DP	HG
JB69926-18	SW846 8270D	05-JUL-14 15:25	HK	24-JUN-14	AQ	AB8270TCL20

Accutest Internal Chain of Custody

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/20/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-1.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-1.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-1.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-1.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-1.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-1.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-1.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-1.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-1.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-1.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-1.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-1.1
JB69926-1.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-1.1
JB69926-1.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-1.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-1.4	Secured Storage	Prashant Shukla	06/25/14 18:01	Retrieve from Storage
JB69926-1.4	Prashant Shukla	GCMSY	06/25/14 18:01	Load on Instrument
JB69926-1.4	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-1.4	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-2.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-2.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-2.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-2.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-2.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-2.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-2.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-2.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-2.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-2.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-2.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-2.1
JB69926-2.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-2.1
JB69926-2.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-2.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-2.3	Secured Storage	Prashant Shukla	06/25/14 18:01	Retrieve from Storage
JB69926-2.3	Prashant Shukla	GCMSY	06/25/14 18:01	Load on Instrument
JB69926-2.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-2.3	Prashant Shukla		06/27/14 09:20	Depleted

Accutest Internal Chain of Custody

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/20/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-3.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-3.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-3.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-3.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-3.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-3.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-3.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-3.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-3.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-3.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-3.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-3.1
JB69926-3.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-3.1
JB69926-3.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-3.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-3.3	Secured Storage	Prashant Shukla	06/25/14 18:21	Retrieve from Storage
JB69926-3.3	Prashant Shukla	GCMSY	06/25/14 18:21	Load on Instrument
JB69926-3.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-3.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-3.4	Secured Storage	Prashant Shukla	06/27/14 15:01	Retrieve from Storage
JB69926-3.4	Prashant Shukla	GCMSY	06/27/14 15:01	Load on Instrument
JB69926-3.4	GCMSY	Prashant Shukla	06/29/14 09:57	Unload from Instrument
JB69926-3.4	Prashant Shukla		06/29/14 09:58	Depleted
JB69926-4.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-4.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-4.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-4.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-4.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-4.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-4.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-4.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-4.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-4.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-4.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-4.1
JB69926-4.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-4.1
JB69926-4.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-4.1.1	Extract Storage		08/04/14 09:00	Disposed

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Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-4.3	Secured Storage	Prashant Shukla	06/25/14 18:21	Retrieve from Storage
JB69926-4.3	Prashant Shukla	GCMSY	06/25/14 18:21	Load on Instrument
JB69926-4.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-4.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-4.4	Secured Storage	Prashant Shukla	06/27/14 15:01	Retrieve from Storage
JB69926-4.4	Prashant Shukla	GCMSY	06/27/14 15:01	Load on Instrument
JB69926-4.4	GCMSY	Prashant Shukla	06/29/14 09:57	Unload from Instrument
JB69926-4.4	Prashant Shukla		06/29/14 09:58	Depleted
JB69926-5.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-5.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-5.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-5.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-5.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-5.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-5.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-5.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-5.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-5.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-5.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-5.1
JB69926-5.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-5.1
JB69926-5.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-5.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-5.3	Secured Storage	Prashant Shukla	06/25/14 18:21	Retrieve from Storage
JB69926-5.3	Prashant Shukla	GCMSY	06/25/14 18:21	Load on Instrument
JB69926-5.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-5.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-5.4	Secured Storage	Prashant Shukla	06/27/14 15:01	Retrieve from Storage
JB69926-5.4	Prashant Shukla	GCMSY	06/27/14 15:01	Load on Instrument
JB69926-5.4	GCMSY	Prashant Shukla	06/29/14 09:57	Unload from Instrument
JB69926-5.4	Prashant Shukla		06/29/14 09:58	Depleted
JB69926-6.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-6.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-6.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-6.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-6.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-6.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-6.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-6.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-6.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-6.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-6.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-6.1
JB69926-6.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-6.1
JB69926-6.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-6.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-6.3	Secured Storage	Prashant Shukla	06/25/14 18:21	Retrieve from Storage
JB69926-6.3	Prashant Shukla	GCMSY	06/25/14 18:21	Load on Instrument
JB69926-6.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-6.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-6.4	Secured Storage	Prashant Shukla	06/27/14 15:01	Retrieve from Storage
JB69926-6.4	Prashant Shukla	GCMSY	06/27/14 15:01	Load on Instrument
JB69926-6.4	GCMSY	Prashant Shukla	06/29/14 09:57	Unload from Instrument
JB69926-6.4	Prashant Shukla		06/29/14 09:58	Depleted
JB69926-7.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-7.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-7.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-7.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-7.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-7.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-7.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-7.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-7.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-7.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-7.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-7.1
JB69926-7.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-7.1
JB69926-7.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-7.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-7.3	Secured Storage	Prashant Shukla	06/25/14 18:21	Retrieve from Storage
JB69926-7.3	Prashant Shukla	GCMSY	06/25/14 18:21	Load on Instrument
JB69926-7.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-7.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-7.4	Secured Storage	Prashant Shukla	06/27/14 15:01	Retrieve from Storage
JB69926-7.4	Prashant Shukla	GCMSY	06/27/14 15:01	Load on Instrument

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-7.4	GCMSY	Prashant Shukla	06/29/14 09:57	Unload from Instrument
JB69926-7.4	Prashant Shukla		06/29/14 09:58	Depleted
JB69926-8.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-8.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-8.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-8.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-8.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-8.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-8.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-8.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-8.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-8.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-8.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-8.1
JB69926-8.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-8.1
JB69926-8.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage
JB69926-8.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-8.3	Secured Storage	Prashant Shukla	06/25/14 18:21	Retrieve from Storage
JB69926-8.3	Prashant Shukla	GCMSY	06/25/14 18:21	Load on Instrument
JB69926-8.3	GCMSY	Prashant Shukla	06/27/14 08:10	Unload from Instrument
JB69926-8.3	Prashant Shukla	Secured Storage	06/27/14 08:11	Return to Storage
JB69926-8.3	Secured Storage	Prashant Shukla	06/30/14 13:12	Retrieve from Storage
JB69926-8.3	Prashant Shukla	GCMSY	06/30/14 13:12	Load on Instrument
JB69926-8.3	GCMSY	Prashant Shukla	07/01/14 09:13	Unload from Instrument
JB69926-8.3	Prashant Shukla		07/01/14 09:13	Depleted
JB69926-9.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-9.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-9.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-9.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-9.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-9.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-9.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-9.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-9.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-9.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-9.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:36	Extract from JB69926-9.1
JB69926-9.1.1	Organics Prep	Ashley Dye	06/24/14 21:44	Extract from JB69926-9.1
JB69926-9.1.1	Ashley Dye	Extract Storage	06/24/14 21:44	Return to Storage

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Job Number: JB69926
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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-9.1.1	Extract Storage		08/04/14 09:00	Disposed
JB69926-9.3	Secured Storage	Prashant Shukla	06/25/14 18:21	Retrieve from Storage
JB69926-9.3	Prashant Shukla	GCMSY	06/25/14 18:21	Load on Instrument
JB69926-9.3	GCMSY	Prashant Shukla	06/27/14 08:10	Unload from Instrument
JB69926-9.3	Prashant Shukla	Secured Storage	06/27/14 08:11	Return to Storage
JB69926-9.3	Secured Storage	Prashant Shukla	06/27/14 15:01	Retrieve from Storage
JB69926-9.3	Prashant Shukla	GCMSY	06/27/14 15:01	Load on Instrument
JB69926-9.3	GCMSY	Prashant Shukla	06/29/14 09:57	Unload from Instrument
JB69926-9.3	Prashant Shukla		06/29/14 09:58	Depleted
JB69926-10.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-10.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-10.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-10.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-10.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-10.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-10.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-10.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-10.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-10.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-10.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:37	Extract from JB69926-10.1
JB69926-10.1.1	Organics Prep	Ashley Dye	06/24/14 21:08	Extract from JB69926-10.1
JB69926-10.1.1	Ashley Dye	Extract Storage	06/24/14 21:08	Return to Storage
JB69926-10.1.1	Extract Storage	Kristi Schollenberger	06/29/14 16:33	Retrieve from Storage
JB69926-10.1.1	Kristi Schollenberger	GCMSP	06/29/14 16:33	Load on Instrument
JB69926-10.1.1	GCMSP	Kristi Schollenberger	07/02/14 12:54	Unload from Instrument
JB69926-10.1.1	Kristi Schollenberger	Extract Freezer	07/02/14 12:54	Return to Storage
JB69926-10.1.1	Extract Freezer		08/04/14 09:00	Disposed
JB69926-10.3	Secured Storage	Prashant Shukla	06/25/14 19:12	Retrieve from Storage
JB69926-10.3	Prashant Shukla	GCMSY	06/25/14 19:12	Load on Instrument
JB69926-10.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-10.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-11.2	Secured Storage	Shanice Grant	06/25/14 03:57	Retrieve from Storage
JB69926-11.2	Shanice Grant		06/27/14 05:16	Depleted
JB69926-11.2.1	Shanice Grant	Organics Prep	06/25/14 07:24	Extract from JB69926-11.2
JB69926-11.2.1	Organics Prep	Vlad Petrache	06/25/14 16:40	Extract from JB69926-11.2
JB69926-11.2.1	Vlad Petrache	Extract Storage	06/25/14 16:40	Return to Storage
JB69926-11.2.1	Extract Storage	Andrew Lee Smith	07/03/14 23:50	Retrieve from Storage

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JB69926-11.2.1	Andrew Lee Smith	GCMSM	07/03/14 23:50	Load on Instrument
JB69926-11.2.1	GCMSM	Saumil Patel	07/07/14 09:44	Unload from Instrument
JB69926-11.2.1	Saumil Patel	Extract Freezer	07/07/14 09:44	Return to Storage
JB69926-11.2.1	Extract Freezer		08/05/14 09:00	Disposed
JB69926-11.3	Secured Storage	Alfredo Crespo	06/23/14 09:35	Retrieve from Storage
JB69926-11.3	Alfredo Crespo	Secured Staging Area	06/23/14 09:35	Return to Storage
JB69926-11.3	Secured Staging Area	Amirah Hillman	06/23/14 09:57	Retrieve from Storage
JB69926-11.3	Amirah Hillman	Secured Storage	06/23/14 12:01	Return to Storage
JB69926-11.3	Secured Storage	Alfredo Crespo	06/27/14 07:42	Retrieve from Storage
JB69926-11.3	Alfredo Crespo	Secured Staging Area	06/27/14 07:42	Return to Storage
JB69926-11.3	Secured Staging Area	Jieyu Wang	06/27/14 09:23	Retrieve from Storage
JB69926-11.3	Jieyu Wang	Secured Storage	06/27/14 14:38	Return to Storage
JB69926-11.3	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-11.3.1	Amirah Hillman	Metals Digestion	06/23/14 11:56	Digestate from JB69926-11.3
JB69926-11.3.1	Amirah Hillman	Metals Digestate Storage	06/23/14 11:59	Return to Storage
JB69926-11.3.1	Metals Digestion	Amirah Hillman	06/23/14 11:59	Digestate from JB69926-11.3
JB69926-11.3.1	Metals Digestate Storage	Nancy Duan	06/23/14 15:37	Retrieve from Storage
JB69926-11.3.1	Nancy Duan	Metals Digestate Storage	06/23/14 15:38	Return to Storage
JB69926-11.3.1	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69926-13.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-13.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-13.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-13.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-13.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-13.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-13.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-13.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-13.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-13.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-13.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:37	Extract from JB69926-13.1
JB69926-13.1.1	Organics Prep	Ashley Dye	06/24/14 21:08	Extract from JB69926-13.1
JB69926-13.1.1	Ashley Dye	Extract Storage	06/24/14 21:08	Return to Storage
JB69926-13.1.1	Extract Storage	Harpreet Kaur	07/03/14 16:55	Retrieve from Storage
JB69926-13.1.1	Harpreet Kaur	GCMS3E	07/03/14 16:55	Load on Instrument
JB69926-13.1.1	GCMS3E	Kristi Schollenberger	07/05/14 11:05	Unload from Instrument
JB69926-13.1.1	Kristi Schollenberger	Extract Freezer	07/05/14 11:05	Return to Storage
JB69926-13.1.1	Extract Freezer		08/04/14 09:00	Disposed
JB69926-13.3	Secured Storage	Prashant Shukla	06/25/14 19:12	Retrieve from Storage

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Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-13.3	Prashant Shukla	GCMSY	06/25/14 19:12	Load on Instrument
JB69926-13.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-13.3	Prashant Shukla	Secured Storage	06/27/14 10:47	Return to Storage
JB69926-13.3	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-14.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-14.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-14.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-14.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-14.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-14.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-14.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-14.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-14.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-14.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-14.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:37	Extract from JB69926-14.1
JB69926-14.1.1	Organics Prep	Ashley Dye	06/24/14 21:08	Extract from JB69926-14.1
JB69926-14.1.1	Ashley Dye	Extract Storage	06/24/14 21:08	Return to Storage
JB69926-14.1.1	Extract Storage	Harpreet Kaur	07/03/14 16:55	Retrieve from Storage
JB69926-14.1.1	Harpreet Kaur	GCMS3E	07/03/14 16:55	Load on Instrument
JB69926-14.1.1	GCMS3E	Kristi Schollenberger	07/05/14 11:05	Unload from Instrument
JB69926-14.1.1	Kristi Schollenberger	Extract Freezer	07/05/14 11:05	Return to Storage
JB69926-14.1.1	Extract Freezer		08/04/14 09:00	Disposed
JB69926-14.3	Secured Storage	Prashant Shukla	06/25/14 19:12	Retrieve from Storage
JB69926-14.3	Prashant Shukla	GCMSY	06/25/14 19:12	Load on Instrument
JB69926-14.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-14.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-15.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-15.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-15.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-15.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-15.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-15.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-15.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-15.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-15.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-15.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-15.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:37	Extract from JB69926-15.1

Accutest Internal Chain of Custody

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/20/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-15.1.1	Organics Prep	Ashley Dye	06/24/14 21:08	Extract from JB69926-15.1
JB69926-15.1.1	Ashley Dye	Extract Storage	06/24/14 21:08	Return to Storage
JB69926-15.1.1	Extract Storage	Harpreet Kaur	07/03/14 16:55	Retrieve from Storage
JB69926-15.1.1	Harpreet Kaur	GCMS3E	07/03/14 16:55	Load on Instrument
JB69926-15.1.1	GCMS3E	Kristi Schollenberger	07/05/14 11:05	Unload from Instrument
JB69926-15.1.1	Kristi Schollenberger	Extract Freezer	07/05/14 11:05	Return to Storage
JB69926-15.1.1	Extract Freezer		08/04/14 09:00	Disposed
JB69926-15.3	Secured Storage	Prashant Shukla	06/25/14 19:12	Retrieve from Storage
JB69926-15.3	Prashant Shukla	GCMSY	06/25/14 19:12	Load on Instrument
JB69926-15.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-15.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-16.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-16.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-16.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-16.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-16.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-16.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-16.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-16.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-16.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-16.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-16.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:37	Extract from JB69926-16.1
JB69926-16.1.1	Organics Prep	Ashley Dye	06/24/14 21:08	Extract from JB69926-16.1
JB69926-16.1.1	Ashley Dye	Extract Storage	06/24/14 21:08	Return to Storage
JB69926-16.1.1	Extract Storage	Harpreet Kaur	07/03/14 16:55	Retrieve from Storage
JB69926-16.1.1	Harpreet Kaur	GCMS3E	07/03/14 16:55	Load on Instrument
JB69926-16.1.1	GCMS3E	Kristi Schollenberger	07/05/14 11:05	Unload from Instrument
JB69926-16.1.1	Kristi Schollenberger	Extract Freezer	07/05/14 11:05	Return to Storage
JB69926-16.1.1	Extract Freezer		08/04/14 09:00	Disposed
JB69926-16.3	Secured Storage	Prashant Shukla	06/25/14 19:12	Retrieve from Storage
JB69926-16.3	Prashant Shukla	GCMSY	06/25/14 19:12	Load on Instrument
JB69926-16.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-16.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-17.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-17.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-17.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-17.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/20/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-17.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-17.1	Secured Storage	Todd Shoemaker	06/25/14 09:26	Retrieve from Storage
JB69926-17.1	Todd Shoemaker	Secured Staging Area	06/25/14 09:27	Return to Storage
JB69926-17.1	Secured Staging Area	Nicole Reiff	06/25/14 10:17	Retrieve from Storage
JB69926-17.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-17.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-17.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:37	Extract from JB69926-17.1
JB69926-17.1.1	Organics Prep	Ashley Dye	06/24/14 21:08	Extract from JB69926-17.1
JB69926-17.1.1	Ashley Dye	Extract Storage	06/24/14 21:08	Return to Storage
JB69926-17.1.1	Extract Storage	Harpreet Kaur	07/03/14 16:55	Retrieve from Storage
JB69926-17.1.1	Harpreet Kaur	GCMS3E	07/03/14 16:55	Load on Instrument
JB69926-17.1.1	GCMS3E	Kristi Schollenberger	07/05/14 11:05	Unload from Instrument
JB69926-17.1.1	Kristi Schollenberger	Extract Freezer	07/05/14 11:05	Return to Storage
JB69926-17.1.1	Extract Freezer		08/04/14 09:00	Disposed
JB69926-17.3	Secured Storage	Prashant Shukla	06/25/14 19:12	Retrieve from Storage
JB69926-17.3	Prashant Shukla	GCMSY	06/25/14 19:12	Load on Instrument
JB69926-17.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-17.3	Prashant Shukla		06/27/14 09:20	Depleted
JB69926-18.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
Bottle was returned to secure storage, but inadvertently not scanned.				
JB69926-18.1	Secured Storage	Todd Shoemaker	06/23/14 13:21	Retrieve from Storage
JB69926-18.1	Todd Shoemaker	Secured Staging Area	06/23/14 13:22	Return to Storage
JB69926-18.1	Secured Staging Area	Mike Sikorsky	06/24/14 06:33	Retrieve from Storage
JB69926-18.1	Mike Sikorsky	Secured Storage	06/24/14 14:40	Return to Storage
JB69926-18.1	Secured Storage	Alfredo Crespo	06/25/14 07:40	Retrieve from Storage
JB69926-18.1	Alfredo Crespo	Secured Staging Area	06/25/14 07:40	Return to Storage
JB69926-18.1	Secured Staging Area	Gina Montenegro	06/25/14 08:14	Retrieve from Storage
JB69926-18.1	Gina Montenegro	Secured Storage	06/25/14 09:48	Return to Storage
JB69926-18.1	Secured Storage	Nicole Reiff	06/25/14 11:02	Retrieve from Storage
JB69926-18.1	Nicole Reiff	Secured Storage	06/25/14 11:26	Return to Storage
JB69926-18.1	Secured Storage	Alfredo Crespo	06/30/14 07:29	Retrieve from Storage
JB69926-18.1	Alfredo Crespo	Secured Staging Area	06/30/14 07:30	Return to Storage
JB69926-18.1	Secured Staging Area	Darshananben Patel	06/30/14 08:49	Retrieve from Storage
JB69926-18.1	Darshananben Patel	Secured Storage	06/30/14 14:30	Return to Storage
JB69926-18.1	Shirley Grzybowski		08/04/14 08:05	Disposed
JB69926-18.1.1	Mike Sikorsky	Organics Prep	06/24/14 06:37	Extract from JB69926-18.1
JB69926-18.1.1	Organics Prep	Ashley Dye	06/24/14 21:08	Extract from JB69926-18.1
JB69926-18.1.1	Ashley Dye	Extract Storage	06/24/14 21:08	Return to Storage
JB69926-18.1.1	Extract Storage	Harpreet Kaur	07/03/14 16:55	Retrieve from Storage
JB69926-18.1.1	Harpreet Kaur	GCMS3E	07/03/14 16:55	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY
Received: 06/20/14

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB69926-18.1.1	GCMS3E	Kristi Schollenberger	07/05/14 11:05	Unload from Instrument
JB69926-18.1.1	Kristi Schollenberger	Extract Freezer	07/05/14 11:05	Return to Storage
JB69926-18.1.1	Extract Freezer		08/04/14 09:00	Disposed
JB69926-18.1.2	Gina Montenegro	Metals Digestion	06/25/14 09:38	Digestate from JB69926-18.1
JB69926-18.1.2	Metals Digestion	Gina Montenegro	06/25/14 09:39	Digestate from JB69926-18.1
JB69926-18.1.2	Gina Montenegro	Metals Digestate Storage	06/25/14 09:39	Return to Storage
JB69926-18.1.2	Metals Digestate Storage	Ryan Rebo	06/25/14 16:49	Retrieve from Storage
JB69926-18.1.2	Ryan Rebo	Metals Digestate Storage	06/25/14 16:50	Return to Storage
JB69926-18.1.2	Metals Digestate Storage	Ryan Rebo	06/26/14 16:37	Retrieve from Storage
JB69926-18.1.2	Ryan Rebo	Metals Digestate Storage	06/26/14 16:38	Return to Storage
JB69926-18.1.2	Metals Digestate Storage		09/01/14 09:00	Disposed
JB69926-18.3	Secured Storage	Prashant Shukla	06/25/14 19:12	Retrieve from Storage
JB69926-18.3	Prashant Shukla	GCMSY	06/25/14 19:12	Load on Instrument
JB69926-18.3	GCMSY	Prashant Shukla	06/27/14 09:16	Unload from Instrument
JB69926-18.3	Prashant Shukla		06/27/14 09:20	Depleted

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

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: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6378-MB	Y146754.D	1	06/25/14	PS	n/a	n/a	VY6378

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

JB69926-1, JB69926-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.13	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.96	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.18	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.16	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.15	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.0	0.14	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.16	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.22	ug/kg	
	m,p-Xylene	ND	1.0	0.48	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	59-130%
17060-07-0	1,2-Dichloroethane-D4	89%	65-123%
2037-26-5	Toluene-D8	104%	77-125%
460-00-4	4-Bromofluorobenzene	96%	71-132%

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

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6380-MB	Y146796.D	1	06/26/14	PS	n/a	n/a	VY6380

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

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.6	ug/kg	
71-43-2	Benzene	ND	1.0	0.13	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.28	ug/kg	
75-25-2	Bromoform	ND	5.0	0.26	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	4.4	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.96	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.18	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.16	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.14	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.25	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.20	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.0	ug/kg	
67-66-3	Chloroform	ND	5.0	0.25	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.34	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.26	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.24	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.55	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.25	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.35	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.31	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.32	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.29	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.42	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.23	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.27	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/kg	
76-13-1	Freon 113	ND	5.0	0.44	ug/kg	
591-78-6	2-Hexanone	ND	5.0	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.15	ug/kg	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6380-MB	Y146796.D	1	06/26/14	PS	n/a	n/a	VY6380

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

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Result	RL	MDL	Units	Q
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.16	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	1.7	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/kg	
100-42-5	Styrene	ND	5.0	0.23	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.0	0.41	ug/kg	
108-88-3	Toluene	ND	1.0	0.14	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.29	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.82	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.35	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.23	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.16	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.22	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.34	ug/kg	
	m,p-Xylene	ND	1.0	0.48	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	59-130%
17060-07-0	1,2-Dichloroethane-D4	86%	65-123%
2037-26-5	Toluene-D8	106%	77-125%
460-00-4	4-Bromofluorobenzene	96%	71-132%

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6381-MB	Y146828.D	1	06/27/14	PS	n/a	n/a	VY6381

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

JB69926-3, JB69926-4, JB69926-5, JB69926-6, JB69926-7, JB69926-9

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.13	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.96	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.18	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.16	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.15	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.0	0.14	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.16	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.22	ug/kg	
	m,p-Xylene	ND	1.0	0.48	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	59-130%
17060-07-0	1,2-Dichloroethane-D4	93%	65-123%
2037-26-5	Toluene-D8	106%	77-125%
460-00-4	4-Bromofluorobenzene	95%	71-132%

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B5478-MB	2B120711.D	1	06/27/14	PR	n/a	n/a	V2B5478

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

JB69926-11, JB69926-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.28	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.30	ug/l	
74-83-9	Bromomethane	ND	2.0	0.56	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	3.2	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.18	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.23	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.35	ug/l	
75-00-3	Chloroethane	ND	1.0	0.39	ug/l	
67-66-3	Chloroform	ND	1.0	0.25	ug/l	
74-87-3	Chloromethane	ND	1.0	0.36	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.18	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.3	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.19	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.16	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.20	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.31	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.38	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.15	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
76-13-1	Freon 113	ND	5.0	0.77	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.7	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.22	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.29	ug/l	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B5478-MB	2B120711.D	1	06/27/14	PR	n/a	n/a	V2B5478

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

JB69926-11, JB69926-12

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.5	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.86	ug/l	
100-42-5	Styrene	ND	5.0	0.30	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.44	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.24	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.22	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.21	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.33	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.41	ug/l	
	m,p-Xylene	ND	1.0	0.40	ug/l	
95-47-6	o-Xylene	ND	1.0	0.19	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.19	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	79-120%
17060-07-0	1,2-Dichloroethane-D4	92%	72-123%
2037-26-5	Toluene-D8	99%	78-119%
460-00-4	4-Bromofluorobenzene	97%	74-119%

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

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6383-MB	Y146861.D	1	06/30/14	PS	n/a	n/a	VY6383

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

JB69926-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.13	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.96	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.18	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.16	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.18	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.15	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.19	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.18	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.0	0.14	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.16	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.22	ug/kg	
	m,p-Xylene	ND	1.0	0.48	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	59-130%
17060-07-0	1,2-Dichloroethane-D4	90%	65-123%
2037-26-5	Toluene-D8	105%	77-125%
460-00-4	4-Bromofluorobenzene	98%	71-132%

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6378-BS	Y146755.D	1	06/25/14	PS	n/a	n/a	VY6378

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

JB69926-1, JB69926-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	42.9	86	75-122
104-51-8	n-Butylbenzene	50	43.3	87	69-127
135-98-8	sec-Butylbenzene	50	43.3	87	72-123
98-06-6	tert-Butylbenzene	50	44.3	89	72-125
100-41-4	Ethylbenzene	50	43.5	87	75-122
98-82-8	Isopropylbenzene	50	42.2	84	73-123
99-87-6	p-Isopropyltoluene	50	44.0	88	75-128
1634-04-4	Methyl Tert Butyl Ether	100	90.5	91	75-122
91-20-3	Naphthalene	50	52.2	104	67-131
103-65-1	n-Propylbenzene	50	43.1	86	73-125
108-88-3	Toluene	50	42.0	84	75-122
95-63-6	1,2,4-Trimethylbenzene	50	43.6	87	75-120
108-67-8	1,3,5-Trimethylbenzene	50	44.0	88	74-120
	m,p-Xylene	100	86.9	87	75-122
95-47-6	o-Xylene	50	44.1	88	75-121
1330-20-7	Xylene (total)	150	131	87	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	59-130%
17060-07-0	1,2-Dichloroethane-D4	89%	65-123%
2037-26-5	Toluene-D8	105%	77-125%
460-00-4	4-Bromofluorobenzene	93%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6380-BS	Y146797.D	1	06/26/14	PS	n/a	n/a	VY6380

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

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	50	28.7	57	50-147
71-43-2	Benzene	50	49.0	98	75-122
74-97-5	Bromochloromethane	50	50.2	100	77-127
75-27-4	Bromodichloromethane	50	50.9	102	79-132
75-25-2	Bromoform	50	50.9	102	76-134
74-83-9	Bromomethane	50	53.1	106	56-151
78-93-3	2-Butanone (MEK)	50	43.1	86	68-137
104-51-8	n-Butylbenzene	50	48.9	98	69-127
135-98-8	sec-Butylbenzene	50	47.4	95	72-123
98-06-6	tert-Butylbenzene	50	48.9	98	72-125
75-15-0	Carbon disulfide	50	49.3	99	70-129
56-23-5	Carbon tetrachloride	50	50.5	101	71-148
108-90-7	Chlorobenzene	50	49.5	99	78-120
75-00-3	Chloroethane	50	53.7	107	64-145
67-66-3	Chloroform	50	48.8	98	75-124
74-87-3	Chloromethane	50	50.3	101	51-139
110-82-7	Cyclohexane	50	48.2	96	67-133
96-12-8	1,2-Dibromo-3-chloropropane	50	49.9	100	69-134
124-48-1	Dibromochloromethane	50	50.1	100	79-130
106-93-4	1,2-Dibromoethane	50	51.2	102	80-122
95-50-1	1,2-Dichlorobenzene	50	49.0	98	76-118
541-73-1	1,3-Dichlorobenzene	50	49.0	98	75-120
106-46-7	1,4-Dichlorobenzene	50	48.4	97	73-116
75-71-8	Dichlorodifluoromethane	50	55.4	111	34-161
75-34-3	1,1-Dichloroethane	50	49.8	100	78-128
107-06-2	1,2-Dichloroethane	50	52.0	104	75-139
75-35-4	1,1-Dichloroethene	50	50.6	101	73-128
156-59-2	cis-1,2-Dichloroethene	50	48.3	97	76-123
156-60-5	trans-1,2-Dichloroethene	50	49.2	98	74-123
78-87-5	1,2-Dichloropropane	50	49.5	99	78-125
10061-01-5	cis-1,3-Dichloropropene	50	49.5	99	75-115
10061-02-6	trans-1,3-Dichloropropene	50	49.5	99	80-125
100-41-4	Ethylbenzene	50	48.2	96	75-122
76-13-1	Freon 113	50	52.0	104	60-155
591-78-6	2-Hexanone	50	48.0	96	69-134
98-82-8	Isopropylbenzene	50	46.8	94	73-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6380-BS	Y146797.D	1	06/26/14	PS	n/a	n/a	VY6380

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

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
99-87-6	p-Isopropyltoluene	50	49.1	98	75-128
79-20-9	Methyl Acetate	50	48.4	97	59-133
108-87-2	Methylcyclohexane	50	45.1	90	63-142
1634-04-4	Methyl Tert Butyl Ether	100	95.8	96	75-122
108-10-1	4-Methyl-2-pentanone(MIBK)	50	51.3	103	72-130
75-09-2	Methylene chloride	50	43.7	87	72-122
91-20-3	Naphthalene	50	50.9	102	67-131
103-65-1	n-Propylbenzene	50	50.3	101	73-125
100-42-5	Styrene	50	51.6	103	79-123
79-34-5	1,1,2,2-Tetrachloroethane	50	46.1	92	70-117
127-18-4	Tetrachloroethene	50	49.3	99	70-136
108-88-3	Toluene	50	47.3	95	75-122
87-61-6	1,2,3-Trichlorobenzene	50	50.7	101	67-135
120-82-1	1,2,4-Trichlorobenzene	50	51.8	104	64-137
71-55-6	1,1,1-Trichloroethane	50	49.8	100	78-136
79-00-5	1,1,2-Trichloroethane	50	51.0	102	75-123
79-01-6	Trichloroethene	50	49.9	100	81-130
75-69-4	Trichlorofluoromethane	50	51.7	103	57-146
95-63-6	1,2,4-Trimethylbenzene	50	50.1	100	75-120
108-67-8	1,3,5-Trimethylbenzene	50	47.2	94	74-120
75-01-4	Vinyl chloride	50	52.2	104	55-133
	m,p-Xylene	100	96.9	97	75-122
95-47-6	o-Xylene	50	48.5	97	75-121
1330-20-7	Xylene (total)	150	145	97	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	59-130%
17060-07-0	1,2-Dichloroethane-D4	94%	65-123%
2037-26-5	Toluene-D8	106%	77-125%
460-00-4	4-Bromofluorobenzene	94%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6381-BS	Y146829.D	1	06/27/14	PS	n/a	n/a	VY6381

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

JB69926-3, JB69926-4, JB69926-5, JB69926-6, JB69926-7, JB69926-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	46.6	93	75-122
104-51-8	n-Butylbenzene	50	46.6	93	69-127
135-98-8	sec-Butylbenzene	50	45.5	91	72-123
98-06-6	tert-Butylbenzene	50	46.6	93	72-125
100-41-4	Ethylbenzene	50	45.4	91	75-122
98-82-8	Isopropylbenzene	50	44.7	89	73-123
99-87-6	p-Isopropyltoluene	50	46.9	94	75-128
1634-04-4	Methyl Tert Butyl Ether	100	90.4	90	75-122
91-20-3	Naphthalene	50	50.3	101	67-131
103-65-1	n-Propylbenzene	50	48.5	97	73-125
108-88-3	Toluene	50	44.2	88	75-122
95-63-6	1,2,4-Trimethylbenzene	50	48.0	96	75-120
108-67-8	1,3,5-Trimethylbenzene	50	45.5	91	74-120
	m,p-Xylene	100	91.7	92	75-122
95-47-6	o-Xylene	50	45.8	92	75-121
1330-20-7	Xylene (total)	150	138	92	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	59-130%
17060-07-0	1,2-Dichloroethane-D4	91%	65-123%
2037-26-5	Toluene-D8	106%	77-125%
460-00-4	4-Bromofluorobenzene	95%	71-132%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B5478-BS	2B120712.D	1	06/27/14	PR	n/a	n/a	V2B5478

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

JB69926-11, JB69926-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	45.2	90	52-152
71-43-2	Benzene	50	48.4	97	80-121
74-97-5	Bromochloromethane	50	51.7	103	82-125
75-27-4	Bromodichloromethane	50	52.3	105	83-127
75-25-2	Bromoform	50	49.5	99	74-131
74-83-9	Bromomethane	50	47.3	95	45-155
78-93-3	2-Butanone (MEK)	50	51.3	103	67-136
75-15-0	Carbon disulfide	50	53.0	106	69-129
56-23-5	Carbon tetrachloride	50	49.2	98	77-138
108-90-7	Chlorobenzene	50	52.2	104	82-119
75-00-3	Chloroethane	50	58.3	117	61-151
67-66-3	Chloroform	50	48.7	97	79-124
74-87-3	Chloromethane	50	49.0	98	48-148
110-82-7	Cyclohexane	50	53.0	106	72-129
96-12-8	1,2-Dibromo-3-chloropropane	50	46.2	92	66-137
124-48-1	Dibromochloromethane	50	51.5	103	81-127
106-93-4	1,2-Dibromoethane	50	52.0	104	79-122
95-50-1	1,2-Dichlorobenzene	50	50.4	101	81-121
541-73-1	1,3-Dichlorobenzene	50	49.4	99	81-119
106-46-7	1,4-Dichlorobenzene	50	49.0	98	80-116
75-71-8	Dichlorodifluoromethane	50	42.9	86	33-161
75-34-3	1,1-Dichloroethane	50	50.5	101	78-129
107-06-2	1,2-Dichloroethane	50	48.5	97	75-133
75-35-4	1,1-Dichloroethene	50	50.1	100	74-128
156-59-2	cis-1,2-Dichloroethene	50	49.9	100	78-123
156-60-5	trans-1,2-Dichloroethene	50	47.2	94	75-122
78-87-5	1,2-Dichloropropane	50	51.8	104	80-124
10061-01-5	cis-1,3-Dichloropropene	50	51.2	102	75-114
10061-02-6	trans-1,3-Dichloropropene	50	48.7	97	78-123
100-41-4	Ethylbenzene	50	52.4	105	82-120
76-13-1	Freon 113	50	53.5	107	65-150
591-78-6	2-Hexanone	50	48.8	98	65-135
98-82-8	Isopropylbenzene	50	59.0	118	80-124
79-20-9	Methyl Acetate	50	45.4	91	53-137
108-87-2	Methylcyclohexane	50	44.7	89	62-142
1634-04-4	Methyl Tert Butyl Ether	100	96.5	97	74-123

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2B5478-BS	2B120712.D	1	06/27/14	PR	n/a	n/a	V2B5478

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

JB69926-11, JB69926-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	50	47.0	94	68-135
75-09-2	Methylene chloride	50	47.9	96	75-121
100-42-5	Styrene	50	53.5	107	81-123
79-34-5	1,1,2,2-Tetrachloroethane	50	49.2	98	71-123
127-18-4	Tetrachloroethene	50	53.2	106	69-141
108-88-3	Toluene	50	53.6	107	80-122
87-61-6	1,2,3-Trichlorobenzene	50	50.8	102	71-138
120-82-1	1,2,4-Trichlorobenzene	50	51.3	103	77-132
71-55-6	1,1,1-Trichloroethane	50	51.0	102	80-132
79-00-5	1,1,2-Trichloroethane	50	52.1	104	80-127
79-01-6	Trichloroethene	50	53.4	107	82-126
75-69-4	Trichlorofluoromethane	50	49.1	98	63-141
75-01-4	Vinyl chloride	50	50.3	101	53-135
	m,p-Xylene	100	108	108	81-121
95-47-6	o-Xylene	50	53.9	108	82-121
1330-20-7	Xylene (total)	150	162	108	82-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	79-120%
17060-07-0	1,2-Dichloroethane-D4	91%	72-123%
2037-26-5	Toluene-D8	103%	78-119%
460-00-4	4-Bromofluorobenzene	103%	74-119%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY6383-BS	Y146862.D	1	06/30/14	PS	n/a	n/a	VY6383

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

JB69926-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	52.0	104	75-122
104-51-8	n-Butylbenzene	50	50.9	102	69-127
135-98-8	sec-Butylbenzene	50	52.2	104	72-123
98-06-6	tert-Butylbenzene	50	53.4	107	72-125
100-41-4	Ethylbenzene	50	51.8	104	75-122
98-82-8	Isopropylbenzene	50	51.3	103	73-123
99-87-6	p-Isopropyltoluene	50	52.6	105	75-128
1634-04-4	Methyl Tert Butyl Ether	100	101	101	75-122
91-20-3	Naphthalene	50	55.3	111	67-131
103-65-1	n-Propylbenzene	50	52.9	106	73-125
108-88-3	Toluene	50	50.4	101	75-122
95-63-6	1,2,4-Trimethylbenzene	50	50.8	102	75-120
108-67-8	1,3,5-Trimethylbenzene	50	51.7	103	74-120
	m,p-Xylene	100	103	103	75-122
95-47-6	o-Xylene	50	52.0	104	75-121
1330-20-7	Xylene (total)	150	155	103	75-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	59-130%
17060-07-0	1,2-Dichloroethane-D4	91%	65-123%
2037-26-5	Toluene-D8	105%	77-125%
460-00-4	4-Bromofluorobenzene	96%	71-132%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB70081-2MS	Y146762.D	1	06/25/14	PS	n/a	n/a	VY6378
JB70081-2	Y146758.D	1	06/25/14	PS	n/a	n/a	VY6378

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

JB69926-1, JB69926-2

CAS No.	Compound	JB70081-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
71-43-2	Benzene	ND		54.8	54.2	99	45-131
104-51-8	n-Butylbenzene	ND		54.8	46.5	85	10-150
135-98-8	sec-Butylbenzene	ND		54.8	48.9	89	15-145
98-06-6	tert-Butylbenzene	ND		54.8	51.4	94	22-143
100-41-4	Ethylbenzene	ND		54.8	52.5	96	30-139
98-82-8	Isopropylbenzene	ND		54.8	51.1	93	26-141
99-87-6	p-Isopropyltoluene	ND		54.8	49.9	91	16-145
1634-04-4	Methyl Tert Butyl Ether	ND		54.8	48.1	88	45-130
91-20-3	Naphthalene	ND		54.8	45.0	82	10-159
103-65-1	n-Propylbenzene	ND		54.8	51.6	94	18-145
108-88-3	Toluene	0.45	J	54.8	52.1	94	38-135
95-63-6	1,2,4-Trimethylbenzene	ND		54.8	50.2	92	17-145
108-67-8	1,3,5-Trimethylbenzene	ND		54.8	50.8	93	20-144
	m,p-Xylene	ND		110	105	96	29-140
95-47-6	o-Xylene	1.2		54.8	52.3	93	31-140
1330-20-7	Xylene (total)	1.6		164	157	95	30-140

CAS No.	Surrogate Recoveries	MS	JB70081-2	Limits
1868-53-7	Dibromofluoromethane	97%	97%	59-130%
17060-07-0	1,2-Dichloroethane-D4	85%	89%	65-123%
2037-26-5	Toluene-D8	105%	106%	77-125%
460-00-4	4-Bromofluorobenzene	95%	96%	71-132%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB69905-7MS	Y146835.D	1	06/27/14	PS	n/a	n/a	VY6381
JB69905-7	Y146832.D	1	06/27/14	PS	n/a	n/a	VY6381

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

JB69926-3, JB69926-4, JB69926-5, JB69926-6, JB69926-7, JB69926-9

CAS No.	Compound	JB69905-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
71-43-2	Benzene	ND		46.6	44.9	96	45-131
104-51-8	n-Butylbenzene	ND		46.6	35.1	75	10-150
135-98-8	sec-Butylbenzene	ND		46.6	39.0	84	15-145
98-06-6	tert-Butylbenzene	ND		46.6	41.8	90	22-143
100-41-4	Ethylbenzene	ND		46.6	42.9	92	30-139
98-82-8	Isopropylbenzene	ND		46.6	41.4	89	26-141
99-87-6	p-Isopropyltoluene	ND		46.6	39.4	85	16-145
1634-04-4	Methyl Tert Butyl Ether	ND		46.6	39.6	85	45-130
91-20-3	Naphthalene	ND		46.6	33.7	72	10-159
103-65-1	n-Propylbenzene	ND		46.6	41.4	89	18-145
108-88-3	Toluene	0.31	J	46.6	43.0	92	38-135
95-63-6	1,2,4-Trimethylbenzene	ND		46.6	40.3	86	17-145
108-67-8	1,3,5-Trimethylbenzene	ND		46.6	41.1	88	20-144
	m,p-Xylene	ND		93.2	84.6	91	29-140
95-47-6	o-Xylene	ND		46.6	42.8	92	31-140
1330-20-7	Xylene (total)	ND		140	127	91	30-140

CAS No.	Surrogate Recoveries	MS	JB69905-7	Limits
1868-53-7	Dibromofluoromethane	99%	103%	59-130%
17060-07-0	1,2-Dichloroethane-D4	87%	95%	65-123%
2037-26-5	Toluene-D8	106%	106%	77-125%
460-00-4	4-Bromofluorobenzene	97%	97%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB69968-1MS	Y146798.D	1	06/26/14	PS	n/a	n/a	VY6380
JB69968-1MSD	Y146799.D	1	06/26/14	PS	n/a	n/a	VY6380
JB69968-1	Y146801.D	1	06/26/14	PS	n/a	n/a	VY6380

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

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	JB69968-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		66.7	27.8	42	66.7	25.8	39	7	10-181/30
71-43-2	Benzene	8.7		66.7	73.7	97	66.7	69.8	92	5	45-131/22
74-97-5	Bromochloromethane	ND		66.7	64.0	96	66.7	60.6	91	5	50-131/21
75-27-4	Bromodichloromethane	ND		66.7	67.0	100	66.7	62.8	94	6	44-138/22
75-25-2	Bromoform	ND		66.7	62.9	94	66.7	59.7	90	5	34-140/24
74-83-9	Bromomethane	ND		66.7	70.7	106	66.7	64.5	97	9	18-152/31
78-93-3	2-Butanone (MEK)	ND		66.7	45.8	69	66.7	42.0	63	9	25-156/27
104-51-8	n-Butylbenzene	ND		66.7	69.5	104	66.7	63.1	95	10	10-150/30
135-98-8	sec-Butylbenzene	ND		66.7	71.0	106	66.7	65.3	98	8	15-145/28
98-06-6	tert-Butylbenzene	ND		66.7	72.3	108	66.7	67.5	101	7	22-143/27
75-15-0	Carbon disulfide	ND		66.7	70.4	106	66.7	64.3	96	9	28-139/25
56-23-5	Carbon tetrachloride	ND		66.7	75.5	113	66.7	69.8	105	8	33-153/25
108-90-7	Chlorobenzene	ND		66.7	68.6	103	66.7	64.2	96	7	34-138/24
75-00-3	Chloroethane	ND		66.7	73.5	110	66.7	67.4	101	9	26-142/27
67-66-3	Chloroform	ND		66.7	66.6	100	66.7	61.5	92	8	51-129/21
74-87-3	Chloromethane	ND		66.7	68.1	102	66.7	61.9	93	10	34-134/24
110-82-7	Cyclohexane	ND		66.7	71.8	108	66.7	65.6	98	9	13-150/28
96-12-8	1,2-Dibromo-3-chloropropane	ND		66.7	59.4	89	66.7	56.4	85	5	22-145/29
124-48-1	Dibromochloromethane	ND		66.7	64.9	97	66.7	61.4	92	6	41-137/22
106-93-4	1,2-Dibromoethane	ND		66.7	62.9	94	66.7	60.2	90	4	41-133/22
95-50-1	1,2-Dichlorobenzene	ND		66.7	66.4	100	66.7	63.0	94	5	22-140/27
541-73-1	1,3-Dichlorobenzene	ND		66.7	69.4	104	66.7	65.3	98	6	21-141/27
106-46-7	1,4-Dichlorobenzene	ND		66.7	67.3	101	66.7	62.8	94	7	20-140/27
75-71-8	Dichlorodifluoromethane	ND		66.7	72.3	108	66.7	69.1	104	5	10-156/30
75-34-3	1,1-Dichloroethane	ND		66.7	69.0	103	66.7	63.2	95	9	50-130/22
107-06-2	1,2-Dichloroethane	ND		66.7	64.7	97	66.7	61.7	93	5	49-136/21
75-35-4	1,1-Dichloroethene	ND		66.7	73.7	111	66.7	66.4	100	10	32-143/23
156-59-2	cis-1,2-Dichloroethene	ND		66.7	66.2	99	66.7	61.7	93	7	46-129/22
156-60-5	trans-1,2-Dichloroethene	ND		66.7	71.7	108	66.7	65.2	98	9	41-131/22
78-87-5	1,2-Dichloropropane	ND		66.7	66.0	99	66.7	62.5	94	5	46-131/21
10061-01-5	cis-1,3-Dichloropropene	ND		66.7	64.9	97	66.7	61.5	92	5	40-134/23
10061-02-6	trans-1,3-Dichloropropene	ND		66.7	64.0	96	66.7	61.2	92	4	37-137/23
100-41-4	Ethylbenzene	ND		66.7	69.8	105	66.7	65.0	97	7	30-139/26
76-13-1	Freon 113	ND		66.7	76.7	115	66.7	69.5	104	10	16-157/27
591-78-6	2-Hexanone	ND		66.7	46.8	70	66.7	44.1	66	6	19-155/29
98-82-8	Isopropylbenzene	ND		66.7	70.5	106	66.7	65.2	98	8	26-141/26

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB69968-1MS	Y146798.D	1	06/26/14	PS	n/a	n/a	VY6380
JB69968-1MSD	Y146799.D	1	06/26/14	PS	n/a	n/a	VY6380
JB69968-1	Y146801.D	1	06/26/14	PS	n/a	n/a	VY6380

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

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	JB69968-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
99-87-6	p-Isopropyltoluene	ND		66.7	71.6	107	66.7	65.5	98	9	16-145/28
79-20-9	Methyl Acetate	ND		66.7	58.4	88	66.7	53.3	80	9	17-179/29
108-87-2	Methylcyclohexane	ND		66.7	74.3	111	66.7	68.1	102	9	10-150/30
1634-04-4	Methyl Tert Butyl Ether	76.8		66.7	116	59	66.7	124	71	7	45-130/21
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		66.7	58.6	88	66.7	55.7	84	5	31-140/25
75-09-2	Methylene chloride	ND		66.7	55.5	83	66.7	52.4	79	6	44-127/21
91-20-3	Naphthalene	ND		66.7	62.7	94	66.7	60.3	90	4	10-159/33
103-65-1	n-Propylbenzene	ND		66.7	71.5	107	66.7	66.6	100	7	18-145/28
100-42-5	Styrene	ND		66.7	70.6	106	66.7	66.4	100	6	30-143/26
79-34-5	1,1,2,2-Tetrachloroethane	ND		66.7	59.0	88	66.7	56.7	85	4	30-131/27
127-18-4	Tetrachloroethene	ND		66.7	78.7	118	66.7	75.4	113	4	15-183/26
108-88-3	Toluene	0.66		66.7	67.4	100	66.7	63.2	94	6	38-135/23
87-61-6	1,2,3-Trichlorobenzene	ND		66.7	65.0	97	66.7	61.6	92	5	10-159/33
120-82-1	1,2,4-Trichlorobenzene	ND		66.7	67.6	101	66.7	64.0	96	5	10-161/33
71-55-6	1,1,1-Trichloroethane	ND		66.7	72.4	109	66.7	67.2	101	7	43-142/23
79-00-5	1,1,2-Trichloroethane	ND		66.7	61.6	92	66.7	60.1	90	2	37-135/25
79-01-6	Trichloroethene	ND		66.7	73.8	111	66.7	68.0	102	8	29-161/23
75-69-4	Trichlorofluoromethane	ND		66.7	74.0	111	66.7	67.3	101	9	14-160/29
95-63-6	1,2,4-Trimethylbenzene	ND		66.7	68.9	103	66.7	63.9	96	8	17-145/28
108-67-8	1,3,5-Trimethylbenzene	ND		66.7	69.8	105	66.7	65.5	98	6	20-144/26
75-01-4	Vinyl chloride	ND		66.7	74.9	112	66.7	67.8	102	10	31-140/24
	m,p-Xylene	ND		133	138	103	133	129	97	7	29-140/26
95-47-6	o-Xylene	ND		66.7	68.8	103	66.7	64.0	96	7	31-140/24
1330-20-7	Xylene (total)	ND		200	207	103	200	193	96	7	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB69968-1	Limits
1868-53-7	Dibromofluoromethane	96%	97%	97%	59-130%
17060-07-0	1,2-Dichloroethane-D4	83%	84%	90%	65-123%
2037-26-5	Toluene-D8	106%	107%	105%	77-125%
460-00-4	4-Bromofluorobenzene	96%	96%	96%	71-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB69725-1MS	2B120713.D	1	06/28/14	PR	n/a	n/a	V2B5478
JB69725-1MSD	2B120714.D	1	06/28/14	PR	n/a	n/a	V2B5478
JB69725-1	2B120720.D	1	06/28/14	PR	n/a	n/a	V2B5478

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

JB69926-11, JB69926-12

CAS No.	Compound	JB69725-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		50	44.7	89	50	44.7	89	0	44-160/20
71-43-2	Benzene	ND		50	40.5	81	50	40.6	81	0	50-136/12
74-97-5	Bromochloromethane	ND		50	49.2	98	50	48.9	98	1	74-131/11
75-27-4	Bromodichloromethane	ND		50	48.2	96	50	47.1	94	2	74-132/11
75-25-2	Bromoform	ND		50	46.8	94	50	44.8	90	4	68-136/12
74-83-9	Bromomethane	ND		50	42.3	85	50	42.6	85	1	37-157/21
78-93-3	2-Butanone (MEK)	ND		50	48.3	97	50	48.7	97	1	60-145/15
75-15-0	Carbon disulfide	ND		50	29.6	59	50	26.5	53	11	37-143/17
56-23-5	Carbon tetrachloride	ND		50	29.1	58	50	28.2	56	3	46-152/17
108-90-7	Chlorobenzene	ND		50	46.1	92	50	46.0	92	0	70-127/12
75-00-3	Chloroethane	ND		50	37.8	76	50	37.4	75	1	44-147/16
67-66-3	Chloroform	ND		50	42.2	84	50	42.1	84	0	67-129/12
74-87-3	Chloromethane	ND		50	42.5	85	50	42.8	86	1	40-149/19
110-82-7	Cyclohexane	ND		50	23.4	47	50	22.7	45	3	31-153/21
96-12-8	1,2-Dibromo-3-chloropropane	ND		50	45.9	92	50	46.8	94	2	61-144/14
124-48-1	Dibromochloromethane	ND		50	47.9	96	50	46.6	93	3	74-131/10
106-93-4	1,2-Dibromoethane	ND		50	50.0	100	50	50.1	100	0	74-129/10
95-50-1	1,2-Dichlorobenzene	ND		50	48.0	96	50	47.0	94	2	73-126/11
541-73-1	1,3-Dichlorobenzene	ND		50	45.5	91	50	44.9	90	1	71-124/12
106-46-7	1,4-Dichlorobenzene	ND		50	45.8	92	50	44.9	90	2	71-123/12
75-71-8	Dichlorodifluoromethane	ND		50	25.7	51	50	25.1	50	2	20-161/25
75-34-3	1,1-Dichloroethane	ND		50	41.0	82	50	40.4	81	1	61-134/12
107-06-2	1,2-Dichloroethane	ND		50	45.7	91	50	45.7	91	0	68-137/11
75-35-4	1,1-Dichloroethene	ND		50	28.2	56	50	27.7	55	2	40-143/17
156-59-2	cis-1,2-Dichloroethene	ND		50	44.3	89	50	43.7	87	1	59-133/12
156-60-5	trans-1,2-Dichloroethene	ND		50	36.3	73	50	36.2	72	0	55-132/14
78-87-5	1,2-Dichloropropane	ND		50	47.9	96	50	48.3	97	1	70-128/11
10061-01-5	cis-1,3-Dichloropropene	ND		50	50.2	100	50	48.4	97	4	73-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		50	48.6	97	50	46.8	94	4	72-128/11
100-41-4	Ethylbenzene	ND		50	42.4	85	50	41.2	82	3	49-137/13
76-13-1	Freon 113	ND		50	27.6	55	50	26.7	53	3	32-161/23
591-78-6	2-Hexanone	ND		50	49.2	98	50	50.0	100	2	59-145/14
98-82-8	Isopropylbenzene	ND		50	44.8	90	50	44.7	89	0	57-136/14
79-20-9	Methyl Acetate	ND		50	48.8	98	50	47.7	95	2	46-148/15
108-87-2	Methylcyclohexane	ND		50	26.7	53	50	25.8	52	3	30-155/21
1634-04-4	Methyl Tert Butyl Ether	ND		50	48.0	96	50	47.5	95	1	64-134/11

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB69725-1MS	2B120713.D	1	06/28/14	PR	n/a	n/a	V2B5478
JB69725-1MSD	2B120714.D	1	06/28/14	PR	n/a	n/a	V2B5478
JB69725-1	2B120720.D	1	06/28/14	PR	n/a	n/a	V2B5478

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

JB69926-11, JB69926-12

CAS No.	Compound	JB69725-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		50	47.3	95	50	47.7	95	1	63-144/13
75-09-2	Methylene chloride	ND		50	42.9	86	50	42.3	85	1	64-128/11
100-42-5	Styrene	ND		50	47.4	95	50	47.0	94	1	67-130/12
79-34-5	1,1,2,2-Tetrachloroethane	ND		50	49.8	100	50	50.0	100	0	68-131/11
127-18-4	Tetrachloroethene	ND		50	35.5	71	50	36.0	72	1	48-143/15
108-88-3	Toluene	ND		50	44.3	89	50	44.4	89	0	54-137/13
87-61-6	1,2,3-Trichlorobenzene	ND		50	48.2	96	50	48.5	97	1	62-143/13
120-82-1	1,2,4-Trichlorobenzene	ND		50	48.6	97	50	46.9	94	4	66-138/12
71-55-6	1,1,1-Trichloroethane	ND		50	33.3	67	50	33.5	67	1	52-145/16
79-00-5	1,1,2-Trichloroethane	ND		50	49.1	98	50	50.2	100	2	73-130/10
79-01-6	Trichloroethene	ND		50	40.4	81	50	41.2	82	2	54-141/13
75-69-4	Trichlorofluoromethane	ND		50	25.3	51	50	24.8	50	2	33-159/25
75-01-4	Vinyl chloride	ND		50	32.8	66	50	33.1	66	1	36-149/19
	m,p-Xylene	ND		100	88.5	89	100	87.2	87	1	50-137/12
95-47-6	o-Xylene	ND		50	47.1	94	50	46.3	93	2	60-134/12
1330-20-7	Xylene (total)	ND		150	136	91	150	134	89	1	53-136/12

CAS No.	Surrogate Recoveries	MS	MSD	JB69725-1	Limits
1868-53-7	Dibromofluoromethane	95%	94%	95%	79-120%
17060-07-0	1,2-Dichloroethane-D4	93%	92%	93%	72-123%
2037-26-5	Toluene-D8	103%	104%	100%	78-119%
460-00-4	4-Bromofluorobenzene	104%	104%	96%	74-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB70415-1MS	Y146867.D	1	06/30/14	PS	n/a	n/a	VY6383
JB70415-1MSD	Y146868.D	1	06/30/14	PS	n/a	n/a	VY6383
JB70415-1	Y146865.D	1	06/30/14	PS	n/a	n/a	VY6383

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

JB69926-8

CAS No.	Compound	JB70415-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	8.1		63.5	70.1	98	63.5	71.2	99	2	45-131/22
104-51-8	n-Butylbenzene	ND		63.5	67.2	106	63.5	68.5	108	2	10-150/30
135-98-8	sec-Butylbenzene	ND		63.5	67.7	107	63.5	68.9	109	2	15-145/28
98-06-6	tert-Butylbenzene	ND		63.5	68.7	108	63.5	70.0	110	2	22-143/27
100-41-4	Ethylbenzene	ND		63.5	66.7	105	63.5	67.3	106	1	30-139/26
98-82-8	Isopropylbenzene	ND		63.5	66.5	105	63.5	67.3	106	1	26-141/26
99-87-6	p-Isopropyltoluene	ND		63.5	68.7	108	63.5	69.8	110	2	16-145/28
1634-04-4	Methyl Tert Butyl Ether	1.7		63.5	62.9	96	63.5	60.5	93	4	45-130/21
91-20-3	Naphthalene	13.0		63.5	78.1	103	63.5	76.1	99	3	10-159/33
103-65-1	n-Propylbenzene	ND		63.5	68.4	108	63.5	69.5	109	2	18-145/28
108-88-3	Toluene	1.5		63.5	65.1	100	63.5	65.6	101	1	38-135/23
95-63-6	1,2,4-Trimethylbenzene	ND		63.5	66.1	104	63.5	67.4	106	2	17-145/28
108-67-8	1,3,5-Trimethylbenzene	ND		63.5	66.8	105	63.5	68.3	108	2	20-144/26
	m,p-Xylene	0.65		127	132	103	127	134	105	2	29-140/26
95-47-6	o-Xylene	0.60		63.5	65.9	103	63.5	66.8	104	1	31-140/24
1330-20-7	Xylene (total)	1.2		190	198	103	190	200	104	1	30-140/25

CAS No.	Surrogate Recoveries	MS	MSD	JB70415-1	Limits
1868-53-7	Dibromofluoromethane	96%	95%	96%	59-130%
17060-07-0	1,2-Dichloroethane-D4	89%	86%	89%	65-123%
2037-26-5	Toluene-D8	105%	106%	105%	77-125%
460-00-4	4-Bromofluorobenzene	96%	97%	98%	71-132%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB70081-1DUP	Y146761.D	1	06/25/14	PS	n/a	n/a	VY6378
JB70081-1	Y146757.D	1	06/25/14	PS	n/a	n/a	VY6378

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

JB69926-1, JB69926-2

CAS No.	Compound	JB70081-1 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	24
104-51-8	n-Butylbenzene	ND		ND		nc	30
135-98-8	sec-Butylbenzene	ND		ND		nc	30
98-06-6	tert-Butylbenzene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	17
98-82-8	Isopropylbenzene	ND		ND		nc	17
99-87-6	p-Isopropyltoluene	ND		ND		nc	30
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	16
91-20-3	Naphthalene	ND		ND		nc	30
103-65-1	n-Propylbenzene	ND		ND		nc	30
108-88-3	Toluene	ND		ND		nc	33
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	30
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	30
	m,p-Xylene	ND		ND		nc	22
95-47-6	o-Xylene	ND		ND		nc	19
1330-20-7	Xylene (total)	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JB70081-1	Limits
1868-53-7	Dibromofluoromethane	97%	99%	59-130%
17060-07-0	1,2-Dichloroethane-D4	90%	90%	65-123%
2037-26-5	Toluene-D8	105%	106%	77-125%
460-00-4	4-Bromofluorobenzene	96%	95%	71-132%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JB69905-6DUP	Y146834.D	1	06/27/14	PS	n/a	n/a	VY6381
JB69905-6	Y146831.D	1	06/27/14	PS	n/a	n/a	VY6381

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

JB69926-3, JB69926-4, JB69926-5, JB69926-6, JB69926-7, JB69926-9

CAS No.	Compound	JB69905-6 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	24
104-51-8	n-Butylbenzene	ND		ND		nc	30
135-98-8	sec-Butylbenzene	ND		ND		nc	30
98-06-6	tert-Butylbenzene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	17
98-82-8	Isopropylbenzene	ND		ND		nc	17
99-87-6	p-Isopropyltoluene	ND		ND		nc	30
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	16
91-20-3	Naphthalene	ND		ND		nc	30
103-65-1	n-Propylbenzene	ND		ND		nc	30
108-88-3	Toluene	ND		ND		nc	33
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	30
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	30
	m,p-Xylene	ND		ND		nc	22
95-47-6	o-Xylene	ND		ND		nc	19
1330-20-7	Xylene (total)	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	JB69905-6	Limits
1868-53-7	Dibromofluoromethane	102%	100%	59-130%
17060-07-0	1,2-Dichloroethane-D4	95%	93%	65-123%
2037-26-5	Toluene-D8	106%	106%	77-125%
460-00-4	4-Bromofluorobenzene	95%	96%	71-132%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V2B5440-BFB	**Injection Date:**	06/03/14
Lab File ID:	2B119837.D	**Injection Time:**	16:40
Instrument ID:	GCMS2B		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11106	15.3		Pass
75	30.0 - 60.0% of mass 95	31541	43.4		Pass
95	Base peak, 100% relative abundance	72693	100.0		Pass
96	5.0 - 9.0% of mass 95	4830	6.64		Pass
173	Less than 2.0% of mass 174	338	0.46	(0.44) [a]	Pass
174	50.0 - 120.0% of mass 95	76453	105.2		Pass
175	5.0 - 9.0% of mass 174	5478	7.54	(7.17) [a]	Pass
176	95.0 - 101.0% of mass 174	75213	103.5	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4949	6.81	(6.58) [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
V2B5440-IC5440	2B119838.D	06/03/14	17:17	00:37	Initial cal 0.2
V2B5440-IC5440	2B119839.D	06/03/14	17:48	01:08	Initial cal 0.5
V2B5440-IC5440	2B119840.D	06/03/14	18:20	01:40	Initial cal 1
V2B5440-IC5440	2B119841.D	06/03/14	18:51	02:11	Initial cal 2
V2B5440-IC5440	2B119842.D	06/03/14	19:22	02:42	Initial cal 5
V2B5440-IC5440	2B119843.D	06/03/14	19:53	03:13	Initial cal 10
V2B5440-IC5440	2B119844.D	06/03/14	20:25	03:45	Initial cal 20
V2B5440-ICC5440	2B119845.D	06/03/14	20:56	04:16	Initial cal 50
V2B5440-IC5440	2B119846.D	06/03/14	21:28	04:48	Initial cal 100
V2B5440-IC5440	2B119847.D	06/03/14	21:59	05:19	Initial cal 200
V2B5440-ICV5440	2B119850.D	06/03/14	23:33	06:53	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	V2B5478-BFB	**Injection Date:**	06/27/14
Lab File ID:	2B120708.D	**Injection Time:**	21:45
Instrument ID:	GCMS2B		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	9015	15.1		Pass
75	30.0 - 60.0% of mass 95	25120	42.1		Pass
95	Base peak, 100% relative abundance	59648	100.0		Pass
96	5.0 - 9.0% of mass 95	3926	6.58		Pass
173	Less than 2.0% of mass 174	443	0.74	(0.69) [a]	Pass
174	50.0 - 120.0% of mass 95	64425	108.0		Pass
175	5.0 - 9.0% of mass 174	4766	7.99	(7.40) [a]	Pass
176	95.0 - 101.0% of mass 174	62852	105.4	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	4103	6.88	(6.53) [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
V2B5478-CC5440	2B120709.D	06/27/14	22:16	00:31	Continuing cal 50
V2B5478-MB	2B120711.D	06/27/14	23:19	01:34	Method Blank
V2B5478-BS	2B120712.D	06/27/14	23:50	02:05	Blank Spike
JB69725-1MS	2B120713.D	06/28/14	00:22	02:37	Matrix Spike
JB69725-1MSD	2B120714.D	06/28/14	00:53	03:08	Matrix Spike Duplicate
JB69926-11	2B120716.D	06/28/14	01:56	04:11	387-FB-17
JB69926-12	2B120717.D	06/28/14	02:27	04:42	388-TB-16
ZZZZZZ	2B120718.D	06/28/14	02:59	05:14	(unrelated sample)
ZZZZZZ	2B120719.D	06/28/14	03:30	05:45	(unrelated sample)
JB69725-1	2B120720.D	06/28/14	04:02	06:17	(used for QC only; not part of job JB69926)
ZZZZZZ	2B120721.D	06/28/14	04:33	06:48	(unrelated sample)
ZZZZZZ	2B120722.D	06/28/14	05:05	07:20	(unrelated sample)
ZZZZZZ	2B120723.D	06/28/14	05:36	07:51	(unrelated sample)
ZZZZZZ	2B120727.D	06/28/14	07:42	09:57	(unrelated sample)
ZZZZZZ	2B120727.D	06/28/14	07:42	09:57	(unrelated sample)
ZZZZZZ	2B120728.D	06/28/14	08:13	10:28	(unrelated sample)
ZZZZZZ	2B120728.D	06/28/14	08:13	10:28	(unrelated sample)
ZZZZZZ	2B120729.D	06/28/14	08:44	10:59	(unrelated sample)
ZZZZZZ	2B120729.D	06/28/14	08:44	10:59	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	VY6377-BFB	**Injection Date:**	06/24/14
Lab File ID:	Y146732.D	**Injection Time:**	10:07
Instrument ID:	GCMSY		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7405	16.3		Pass
75	30.0 - 60.0% of mass 95	19448	42.8		Pass
95	Base peak, 100% relative abundance	45440	100.0		Pass
96	5.0 - 9.0% of mass 95	3021	6.65		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	43845	96.5		Pass
175	5.0 - 9.0% of mass 174	3358	7.39	(7.66) [a]	Pass
176	95.0 - 101.0% of mass 174	42872	94.3	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2860	6.29	(6.67) [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
VY6377-IC6377	Y146733.D	06/24/14	11:30	01:23	Initial cal 0.2
VY6377-IC6377	Y146734.D	06/24/14	11:58	01:51	Initial cal 0.5
VY6377-IC6377	Y146735.D	06/24/14	12:27	02:20	Initial cal 1
VY6377-IC6377	Y146736.D	06/24/14	12:56	02:49	Initial cal 2
VY6377-IC6377	Y146737.D	06/24/14	13:25	03:18	Initial cal 5
VY6377-IC6377	Y146738.D	06/24/14	13:54	03:47	Initial cal 10
VY6377-IC6377	Y146739.D	06/24/14	14:22	04:15	Initial cal 20
VY6377-ICC6377	Y146740.D	06/24/14	14:50	04:43	Initial cal 50
VY6377-IC6377	Y146741.D	06/24/14	15:20	05:13	Initial cal 100
VY6377-IC6377	Y146742.D	06/24/14	15:48	05:41	Initial cal 200

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	VY6377-BFB2	**Injection Date:**	06/25/14
Lab File ID:	Y146747.D	**Injection Time:**	09:32
Instrument ID:	GCMSY		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	9478	16.3		Pass
75	30.0 - 60.0% of mass 95	25410	43.6		Pass
95	Base peak, 100% relative abundance	58253	100.0		Pass
96	5.0 - 9.0% of mass 95	3921	6.73		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	55309	94.9		Pass
175	5.0 - 9.0% of mass 174	4235	7.27	(7.66) [a]	Pass
176	95.0 - 101.0% of mass 174	54496	93.6	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3483	5.98	(6.39) [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
VY6377-ICV6377	Y146748.D	06/25/14	10:14	00:42	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: VY6378-BFB
Lab File ID: Y146751.D
Instrument ID: GCMSY
Injection Date: 06/25/14
Injection Time: 13:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	10533	16.4		Pass
75	30.0 - 60.0% of mass 95	27445	42.7		Pass
95	Base peak, 100% relative abundance	64314	100.0		Pass
96	5.0 - 9.0% of mass 95	4268	6.64		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	62280	96.8		Pass
175	5.0 - 9.0% of mass 174	4859	7.56	(7.80) [a]	Pass
176	95.0 - 101.0% of mass 174	60645	94.3	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4169	6.48	(6.87) [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
VY6378-CC6377	Y146752.D	06/25/14	13:48	00:32	Continuing cal 20
VY6378-MB	Y146754.D	06/25/14	14:58	01:42	Method Blank
VY6378-BS	Y146755.D	06/25/14	15:37	02:21	Blank Spike
JB70081-1	Y146757.D	06/25/14	16:46	03:30	(used for QC only; not part of job JB69926)
JB70081-2	Y146758.D	06/25/14	17:15	03:59	(used for QC only; not part of job JB69926)
ZZZZZZ	Y146759.D	06/25/14	17:44	04:28	(unrelated sample)
ZZZZZZ	Y146760.D	06/25/14	18:12	04:56	(unrelated sample)
JB70081-1DUP	Y146761.D	06/25/14	18:42	05:26	Duplicate
JB70081-2MS	Y146762.D	06/25/14	19:10	05:54	Matrix Spike
ZZZZZZ	Y146764.D	06/25/14	20:08	06:52	(unrelated sample)
ZZZZZZ	Y146765.D	06/25/14	20:37	07:21	(unrelated sample)
ZZZZZZ	Y146766.D	06/25/14	21:05	07:49	(unrelated sample)
ZZZZZZ	Y146767.D	06/25/14	21:34	08:18	(unrelated sample)
ZZZZZZ	Y146768.D	06/25/14	22:02	08:46	(unrelated sample)
ZZZZZZ	Y146769.D	06/25/14	22:31	09:15	(unrelated sample)
ZZZZZZ	Y146770.D	06/25/14	23:00	09:44	(unrelated sample)
ZZZZZZ	Y146771.D	06/25/14	23:29	10:13	(unrelated sample)
JB69926-1	Y146772.D	06/25/14	23:57	10:41	389-UST-6-PE-1
JB69926-2	Y146773.D	06/26/14	00:26	11:10	390-UST-6-PE-2
ZZZZZZ	Y146774.D	06/26/14	00:55	11:39	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: VY6380-BFB
Lab File ID: Y146793.D
Instrument ID: GCMSY
Injection Date: 06/26/14
Injection Time: 09:19

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8801	15.5		Pass
75	30.0 - 60.0% of mass 95	23909	42.0		Pass
95	Base peak, 100% relative abundance	56882	100.0		Pass
96	5.0 - 9.0% of mass 95	3720	6.54		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	54912	96.5		Pass
175	5.0 - 9.0% of mass 174	4135	7.27	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	52986	93.2	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3433	6.04	(6.48) [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
VY6380-CC6377	Y146794.D	06/26/14	10:05	00:46	Continuing cal 20
VY6380-MB	Y146796.D	06/26/14	11:21	02:02	Method Blank
VY6380-BS	Y146797.D	06/26/14	12:00	02:41	Blank Spike
JB69968-1MS	Y146798.D	06/26/14	12:43	03:24	Matrix Spike
JB69968-1MSD	Y146799.D	06/26/14	13:12	03:53	Matrix Spike Duplicate
ZZZZZZ	Y146800.D	06/26/14	13:40	04:21	(unrelated sample)
JB69968-1	Y146801.D	06/26/14	14:38	05:19	(used for QC only; not part of job JB69926)
ZZZZZZ	Y146802.D	06/26/14	15:07	05:48	(unrelated sample)
JB69926-10	Y146803.D	06/26/14	15:36	06:17	398-UST-4-PE-5
JB69926-13	Y146804.D	06/26/14	16:04	06:45	334-PE-100
JB69926-15	Y146805.D	06/26/14	16:33	07:14	336-PE-102
JB69926-16	Y146806.D	06/26/14	17:01	07:42	337-PE-103
JB69926-17	Y146807.D	06/26/14	17:30	08:11	338-PE-104
ZZZZZZ	Y146808.D	06/26/14	17:58	08:39	(unrelated sample)
ZZZZZZ	Y146809.D	06/26/14	18:27	09:08	(unrelated sample)
ZZZZZZ	Y146810.D	06/26/14	18:56	09:37	(unrelated sample)
ZZZZZZ	Y146811.D	06/26/14	19:25	10:06	(unrelated sample)
ZZZZZZ	Y146812.D	06/26/14	19:53	10:34	(unrelated sample)
JB69926-18	Y146813.D	06/26/14	20:22	11:03	399-PE-17
JB69926-14	Y146814.D	06/26/14	20:51	11:32	335-PE-101

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	VY6381-BFB	**Injection Date:**	06/27/14
Lab File ID:	Y146825.D	**Injection Time:**	08:41
Instrument ID:	GCMSY		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8444	16.7		Pass
75	30.0 - 60.0% of mass 95	21994	43.4		Pass
95	Base peak, 100% relative abundance	50648	100.0		Pass
96	5.0 - 9.0% of mass 95	3300	6.52		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	47920	94.6		Pass
175	5.0 - 9.0% of mass 174	3641	7.19	(7.60) [a]	Pass
176	95.0 - 101.0% of mass 174	47077	92.9	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	3078	6.08	(6.54) [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
VY6381-CC6377	Y146826.D	06/27/14	09:17	00:36	Continuing cal 20
VY6381-MB	Y146828.D	06/27/14	10:23	01:42	Method Blank
VY6381-BS	Y146829.D	06/27/14	11:00	02:19	Blank Spike
JB69905-6	Y146831.D	06/27/14	12:17	03:36	(used for QC only; not part of job JB69926)
JB69905-7	Y146832.D	06/27/14	12:45	04:04	(used for QC only; not part of job JB69926)
ZZZZZZ	Y146833.D	06/27/14	13:14	04:33	(unrelated sample)
JB69905-6DUP	Y146834.D	06/27/14	13:43	05:02	Duplicate
JB69905-7MS	Y146835.D	06/27/14	14:11	05:30	Matrix Spike
ZZZZZZ	Y146837.D	06/27/14	15:09	06:28	(unrelated sample)
ZZZZZZ	Y146838.D	06/27/14	15:37	06:56	(unrelated sample)
ZZZZZZ	Y146839.D	06/27/14	16:06	07:25	(unrelated sample)
ZZZZZZ	Y146840.D	06/27/14	16:35	07:54	(unrelated sample)
ZZZZZZ	Y146841.D	06/27/14	17:04	08:23	(unrelated sample)
JB69926-3	Y146843.D	06/27/14	18:01	09:20	391-UST-6-PE-3
JB69926-7	Y146844.D	06/27/14	18:30	09:49	395-UST-4-PE-2
JB69926-6	Y146845.D	06/27/14	18:59	10:18	394-UST-4-PE-1
JB69926-4	Y146846.D	06/27/14	19:28	10:47	392-UST-6-PE-4
JB69926-5	Y146847.D	06/27/14	19:56	11:15	393-UST-6-PE-5
JB69926-9	Y146848.D	06/27/14	20:25	11:44	397-UST-4-PE-4

Instrument Performance Check (BFB)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: VY6383-BFB
Lab File ID: Y146858.D
Instrument ID: GCMSY
Injection Date: 06/30/14
Injection Time: 10:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8596	17.3		Pass
75	30.0 - 60.0% of mass 95	21805	43.8		Pass
95	Base peak, 100% relative abundance	49762	100.0		Pass
96	5.0 - 9.0% of mass 95	3291	6.61		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	47634	95.7		Pass
175	5.0 - 9.0% of mass 174	3612	7.26	(7.58) [a]	Pass
176	95.0 - 101.0% of mass 174	45925	92.3	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	3016	6.06	(6.57) [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
VY6383-CC6377	Y146859.D	06/30/14	10:58	00:46	Continuing cal 20
VY6383-MB	Y146861.D	06/30/14	12:07	01:55	Method Blank
VY6383-BS	Y146862.D	06/30/14	12:42	02:30	Blank Spike
ZZZZZZ	Y146863.D	06/30/14	13:23	03:11	(unrelated sample)
ZZZZZZ	Y146864.D	06/30/14	13:52	03:40	(unrelated sample)
JB70415-1	Y146865.D	06/30/14	14:21	04:09	(used for QC only; not part of job JB69926)
JB69926-8	Y146866.D	06/30/14	14:49	04:37	396-UST-4-PE-3
JB70415-1MS	Y146867.D	06/30/14	15:18	05:06	Matrix Spike
JB70415-1MSD	Y146868.D	06/30/14	15:47	05:35	Matrix Spike Duplicate
VY6384-MB	Y146870.D	06/30/14	16:44	06:32	Method Blank
VY6384-BS	Y146871.D	06/30/14	17:22	07:10	Blank Spike
JB70567-1MS	Y146872.D	06/30/14	18:01	07:49	Matrix Spike
JB70567-1MSD	Y146873.D	06/30/14	18:30	08:18	Matrix Spike Duplicate
JB70567-1	Y146875.D	06/30/14	19:27	09:15	(used for QC only; not part of job JB69926)
ZZZZZZ	Y146876.D	06/30/14	19:56	09:44	(unrelated sample)
ZZZZZZ	Y146877.D	06/30/14	20:24	10:12	(unrelated sample)
ZZZZZZ	Y146880.D	06/30/14	21:50	11:38	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	V2B5478-CC5440	**Injection Date:**	06/27/14
Lab File ID:	2B120709.D	**Injection Time:**	22:16
Instrument ID:	GCMS2B	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	134071	8.35	299328	10.82	335085	11.73	269434	14.72	140941	16.88
Upper Limit [a]	268142	8.85	598656	11.32	670170	12.23	538868	15.22	281882	17.38
Lower Limit [b]	67036	7.85	149664	10.32	167543	11.23	134717	14.22	70471	16.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V2B5478-MB	142749	8.36	309980	10.82	330944	11.73	263092	14.72	153865	16.88
V2B5478-BS	129069	8.35	284943	10.82	325247	11.73	258219	14.72	136940	16.88
JB69725-1MS	136807	8.35	298642	10.82	336260	11.73	270411	14.72	141535	16.88
JB69725-1MSD	137623	8.36	292675	10.82	328126	11.73	267101	14.72	138873	16.88
JB69926-11	144455	8.35	316472	10.82	337458	11.73	267455	14.72	156023	16.88
JB69926-12	142161	8.35	302689	10.82	322283	11.73	257348	14.72	151297	16.88
ZZZZZZ	141090	8.35	300538	10.82	319194	11.73	254120	14.72	147092	16.88
ZZZZZZ	143941	8.35	310849	10.82	330449	11.73	258847	14.72	152381	16.88
JB69725-1	143179	8.35	309438	10.82	328116	11.73	260478	14.72	151322	16.88
ZZZZZZ	142439	8.36	303672	10.82	326953	11.73	258055	14.72	152416	16.88
ZZZZZZ	139698	8.35	295222	10.82	319562	11.73	255788	14.72	147124	16.88
ZZZZZZ	142176	8.37	305443	10.82	327820	11.73	265882	14.72	149870	16.88
ZZZZZZ	136419	8.35	296927	10.82	316439	11.73	251926	14.72	144697	16.88
ZZZZZZ	136419	8.35	296927	10.82	316439	11.73	251926	14.72	144697	16.88
ZZZZZZ	136497	8.37	300978	10.82	321856	11.73	254409	14.72	146368	16.88
ZZZZZZ	136497	8.37	300978	10.82	321856	11.73	254409	14.72	146368	16.88
ZZZZZZ	132186	8.35	290844	10.82	312126	11.73	245442	14.72	141546	16.88
ZZZZZZ	132186	8.35	290844	10.82	312126	11.73	245442	14.72	141546	16.88

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

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	VY6378-CC6377	**Injection Date:**	06/25/14
Lab File ID:	Y146752.D	**Injection Time:**	13:48
Instrument ID:	GCMSY	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	74702	7.35	199302	9.52	235540	10.44	199711	13.56	105443	15.85
Upper Limit [a]	149404	7.85	398604	10.02	471080	10.94	399422	14.06	210886	16.35
Lower Limit [b]	37351	6.85	99651	9.02	117770	9.94	99856	13.06	52722	15.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY6378-MB	63370	7.36	196057	9.52	235912	10.44	199660	13.56	101885	15.85
VY6378-BS	73966	7.36	197132	9.52	234735	10.43	200536	13.56	106049	15.84
JB70081-1	72705	7.36	195961	9.52	234266	10.44	204008	13.56	103214	15.85
JB70081-2	74758	7.35	200374	9.52	238797	10.44	206356	13.56	103936	15.85
ZZZZZZ	74369	7.35	202254	9.52	240571	10.44	203214	13.56	102538	15.85
ZZZZZZ	74630	7.36	194453	9.52	232139	10.44	199014	13.56	99557	15.85
JB70081-1DUP	74195	7.36	206220	9.52	245983	10.44	209874	13.56	105077	15.85
JB70081-2MS	58210	7.36	196415	9.52	236028	10.44	200835	13.56	103226	15.85
ZZZZZZ	69719	7.36	196495	9.52	236500	10.44	201774	13.56	102058	15.85
ZZZZZZ	64619	7.35	185518	9.52	219074	10.44	187863	13.56	95559	15.85
ZZZZZZ	66612	7.35	195516	9.52	235600	10.44	201586	13.56	103184	15.85
ZZZZZZ	64713	7.35	180299	9.53	215865	10.44	185114	13.56	94570	15.85
ZZZZZZ	66634	7.36	196861	9.53	235145	10.44	202381	13.56	102512	15.85
ZZZZZZ	64892	7.35	196418	9.52	236748	10.44	202653	13.56	100731	15.85
ZZZZZZ	61103	7.35	191212	9.52	230754	10.44	194464	13.56	95021	15.85
ZZZZZZ	65541	7.36	195882	9.53	234923	10.44	199917	13.56	99885	15.85
JB69926-1	63797	7.35	194196	9.52	233948	10.44	199787	13.56	101457	15.85
JB69926-2	66737	7.35	195082	9.52	236152	10.44	202842	13.56	103723	15.85
ZZZZZZ	48294	7.35	190284	9.53	223955	10.44	175765	13.56	69653	15.85

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

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	VY6380-CC6377	**Injection Date:**	06/26/14
Lab File ID:	Y146794.D	**Injection Time:**	10:05
Instrument ID:	GCMSY	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	60257	7.35	184156	9.52	223799	10.43	193299	13.56	100782	15.84
Upper Limit [a]	120514	7.85	368312	10.02	447598	10.93	386598	14.06	201564	16.34
Lower Limit [b]	30129	6.85	92078	9.02	111900	9.93	96650	13.06	50391	15.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY6380-MB	51391	7.36	194148	9.53	231679	10.44	198854	13.56	100325	15.85
VY6380-BS	62018	7.35	179547	9.52	216630	10.44	186532	13.56	99246	15.84
JB69968-1MS	63977	7.35	202538	9.52	240394	10.43	205537	13.56	105310	15.84
JB69968-1MSD	60085	7.35	201379	9.52	237461	10.44	202832	13.56	104540	15.84
ZZZZZZ	59584	7.35	198575	9.52	233113	10.44	192302	13.56	92059	15.85
JB69968-1	68909	7.36	198569	9.53	236022	10.44	201515	13.56	102791	15.85
ZZZZZZ	73513	7.35	199543	9.53	237522	10.44	203400	13.56	101379	15.85
JB69926-10	69091	7.35	202359	9.52	241876	10.44	207469	13.56	105975	15.85
JB69926-13	69742	7.36	209460	9.53	249008	10.44	212819	13.56	107300	15.85
JB69926-15	58061	7.35	198739	9.52	240465	10.44	206904	13.56	104656	15.85
JB69926-16	56520	7.36	182605	9.53	217798	10.44	188836	13.56	96828	15.85
JB69926-17	54611	7.36	184130	9.53	219202	10.44	187586	13.56	96648	15.85
ZZZZZZ	64812	7.36	204097	9.53	245830	10.44	209778	13.56	107096	15.85
ZZZZZZ	52876	7.35	175982	9.52	208768	10.44	180527	13.56	91432	15.85
ZZZZZZ	63663	7.35	203824	9.52	245659	10.44	208463	13.56	104402	15.85
ZZZZZZ	61383	7.36	204226	9.52	244457	10.44	208771	13.56	104013	15.85
ZZZZZZ	64252	7.36	196987	9.53	237817	10.44	203940	13.56	102420	15.85
JB69926-18	61939	7.36	168429	9.53	205069	10.44	173775	13.56	85784	15.85
JB69926-14	61118	7.36	198201	9.52	238813	10.44	203757	13.56	103080	15.85

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

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	VY6381-CC6377	**Injection Date:**	06/27/14
Lab File ID:	Y146826.D	**Injection Time:**	09:17
Instrument ID:	GCMSY	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	63327	7.35	187847	9.52	226573	10.44	194265	13.56	101736	15.85
Upper Limit [a]	126654	7.85	375694	10.02	453146	10.94	388530	14.06	203472	16.35
Lower Limit [b]	31664	6.85	93924	9.02	113287	9.94	97133	13.06	50868	15.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY6381-MB	51116	7.36	172632	9.53	209095	10.44	181156	13.56	91588	15.85
VY6381-BS	61022	7.36	189321	9.52	227348	10.44	193919	13.56	101462	15.85
JB69905-6	67108	7.35	192404	9.52	229911	10.44	199593	13.56	100675	15.85
JB69905-7	62500	7.35	189945	9.52	230483	10.44	198709	13.56	99887	15.85
ZZZZZZ	66973	7.36	195378	9.53	234502	10.44	201699	13.56	100166	15.85
JB69905-6DUP	61242	7.36	175078	9.53	210668	10.44	182384	13.56	93903	15.85
JB69905-7MS	54910	7.35	203423	9.53	243755	10.44	205756	13.56	105900	15.85
ZZZZZZ	56800	7.35	185054	9.52	223607	10.44	190866	13.56	95981	15.85
ZZZZZZ	60745	7.35	182947	9.53	221136	10.44	190879	13.56	97357	15.85
ZZZZZZ	61007	7.35	186269	9.53	225698	10.44	194381	13.56	97327	15.85
ZZZZZZ	56799	7.36	179463	9.53	217252	10.44	188665	13.56	96078	15.85
ZZZZZZ	60028	7.35	186039	9.53	223430	10.44	191576	13.56	97638	15.85
JB69926-3	61444	7.35	181431	9.53	218413	10.44	186736	13.56	95468	15.84
JB69926-7	66199	7.36	193238	9.52	231705	10.44	199969	13.56	101591	15.85
JB69926-6	65652	7.35	191938	9.53	231433	10.44	202890	13.56	102821	15.85
JB69926-4	63189	7.35	192537	9.53	231493	10.44	197827	13.56	100902	15.85
JB69926-5	66214	7.36	206139	9.52	248767	10.44	211727	13.56	107633	15.85
JB69926-9	61842	7.35	189114	9.53	226748	10.44	196452	13.56	102620	15.85

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

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	VY6383-CC6377	**Injection Date:**	06/30/14
Lab File ID:	Y146859.D	**Injection Time:**	10:58
Instrument ID:	GCMSY	**Method:**	SW846 8260C

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	56584	7.35	181336	9.52	213124	10.44	178483	13.56	90413	15.85
Upper Limit [a]	113168	7.85	362672	10.02	426248	10.94	356966	14.06	180826	16.35
Lower Limit [b]	28292	6.85	90668	9.02	106562	9.94	89242	13.06	45207	15.35

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY6383-MB	48500	7.36	171230	9.52	204592	10.44	172854	13.56	85540	15.85
VY6383-BS	64349	7.35	176042	9.52	207208	10.44	175977	13.56	91229	15.85
ZZZZZZ	64979	7.35	171924	9.52	202358	10.44	172374	13.56	87362	15.84
ZZZZZZ	56201	7.35	174707	9.53	204999	10.44	172759	13.56	87492	15.85
JB70415-1	54187	7.36	176442	9.53	209383	10.44	177455	13.56	89272	15.85
JB69926-8	60210	7.35	183485	9.53	216221	10.44	184168	13.56	94280	15.85
JB70415-1MS	62912	7.36	181624	9.52	215361	10.44	183820	13.56	94042	15.85
JB70415-1MSD	57693	7.36	187362	9.52	218574	10.44	185765	13.56	95229	15.85
VY6384-MB	50301	7.35	171003	9.53	201790	10.44	172947	13.56	87284	15.85
VY6384-BS	56415	7.36	174308	9.52	205132	10.44	176973	13.56	91398	15.84
JB70567-1MS	62340	7.37	178935	9.52	211381	10.43	181470	13.56	93865	15.84
JB70567-1MSD	51797	7.38	180291	9.52	211485	10.44	180662	13.56	92440	15.85
JB70567-1	55412	7.37	180769	9.53	212861	10.44	183969	13.56	91749	15.85
ZZZZZZ	56022	7.37	184856	9.52	215938	10.44	185816	13.56	94581	15.85
ZZZZZZ	56281	7.38	186288	9.53	219053	10.44	187230	13.56	93941	15.85
ZZZZZZ	55909	7.37	185758	9.53	219158	10.44	187923	13.56	90523	15.85

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: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Method: SW846 8260C **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JB69926-11	2B120716.D	93	91	101	96
JB69926-12	2B120717.D	94	92	101	95
JB69725-1MS	2B120713.D	95	93	103	104
JB69725-1MSD	2B120714.D	94	92	104	104
V2B5478-BS	2B120712.D	95	91	103	103
V2B5478-MB	2B120711.D	94	92	99	97

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	79-120%
S2 = 1,2-Dichloroethane-D4	72-123%
S3 = Toluene-D8	78-119%
S4 = 4-Bromofluorobenzene	74-119%

Volatile Surrogate Recovery Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Method: SW846 8260C **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JB69926-1	Y146772.D	99	91	105	97
JB69926-2	Y146773.D	100	93	106	97
JB69926-3	Y146843.D	101	93	105	96
JB69926-4	Y146846.D	100	91	105	98
JB69926-5	Y146847.D	99	89	105	97
JB69926-6	Y146845.D	101	93	106	98
JB69926-7	Y146844.D	99	93	106	96
JB69926-8	Y146866.D	95	90	105	104
JB69926-9	Y146848.D	101	90	105	100
JB69926-10	Y146803.D	99	91	107	98
JB69926-13	Y146804.D	98	90	105	98
JB69926-14	Y146814.D	100	91	106	98
JB69926-15	Y146805.D	99	90	106	98
JB69926-16	Y146806.D	99	89	106	96
JB69926-17	Y146807.D	99	90	106	95
JB69926-18	Y146813.D	105	100	105	98
JB69905-6DUP	Y146834.D	102	95	106	95
JB69905-7MS	Y146835.D	99	87	106	97
JB69968-1MS	Y146798.D	96	83	106	96
JB69968-1MSD	Y146799.D	97	84	107	96
JB70081-1DUP	Y146761.D	97	90	105	96
JB70081-2MS	Y146762.D	97	85	105	95
JB70415-1MS	Y146867.D	96	89	105	96
JB70415-1MSD	Y146868.D	95	86	106	97
VY6378-BS	Y146755.D	97	89	105	93
VY6378-MB	Y146754.D	96	89	104	96
VY6380-BS	Y146797.D	101	94	106	94
VY6380-MB	Y146796.D	97	86	106	96
VY6381-BS	Y146829.D	99	91	106	95
VY6381-MB	Y146828.D	102	93	106	95
VY6383-BS	Y146862.D	95	91	105	96
VY6383-MB	Y146861.D	94	90	105	98

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	59-130%
S2 = 1,2-Dichloroethane-D4	65-123%
S3 = Toluene-D8	77-125%
S4 = 4-Bromofluorobenzene	71-132%

Initial Calibration Summary

Job Number: JB69926 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS2B

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration

Calibration Files
1 =2B119840.D 2 =2B119841.D 100 =2B119846.D 50 =2B119845.D
20 =2B119844.D 200 =2B119847.D 5 =2B119842.D 10 =2B119843.D
0.5 =2B119839.D 0.2 =2B119838.D = =

Compound	1	2	100	50	20	200	5	10	0.5	0.2	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------ISTD----------											
2) tertiary butyl alcohol	1.156	1.168	1.203	1.166	1.427	1.300					1.237	8.68
3) ethanol											0.000#	-1.00
4) 1,4-dioxane	0.115	0.117	0.110	0.116	0.124	0.117					0.117	3.65
5) I pentafluorobenzene	----------ISTD----------											
6) freon 143a											0.000#	-1.00
7) freon 142b											0.000#	-1.00
8) freon 141b											0.000#	-1.00
9) chlorodifluoromethane	0.406	0.510	0.580	0.606	0.530	0.598	0.583	0.566			0.547	12.06
10) dichlorodifluoromethane	0.477	0.679	0.719	0.778	0.678	0.742	0.789	0.733			0.699	14.09
11) chlorotrifluoroethene											0.000#	-1.00
12) chloromethane	0.751	0.899	0.868	0.945	0.853	0.902	0.939	0.873	0.855		0.876	6.59
13) vinyl chloride	0.708	0.911	0.852	0.928	0.823	0.882	0.965	0.880			0.869	9.05
14) 1,3-Butadiene											0.000#	-1.00
15) bromomethane	0.546	0.601	0.481	0.548	0.532	0.445	0.610	0.558			0.540	10.27
16) chloroethane	0.277	0.362	0.317	0.355	0.343	0.305	0.375	0.358			0.336	9.98
17) vinyl bromide											0.000#	-1.00
18) trichlorofluoromethane	0.588	0.858	0.823	0.899	0.808	0.846	0.930	0.872			0.828	12.63
19) Pentane											0.000#	-1.00
20) ethyl ether	0.162	0.187	0.218	0.238	0.242	0.226	0.220	0.231			0.215	12.67
21) acrolein	0.085	0.091	0.098	0.108	0.104	0.097	0.095	0.104			0.098	7.72
22) 2-chloropropane	0.883	0.807	0.768	0.849	0.850	0.811	0.894	0.858			0.840	5.02
23) 1,2-dichloro-1,2,2-trifluoroet												

Initial Calibration Summary

Job Number: JB69926 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

												0.000#	-1.00
24)	1,1-dichloroethene												
	0.470	0.407	0.427	0.475	0.471	0.451	0.509	0.473				0.460	6.85
25)	acetone												
		0.131	0.145	0.147	0.132	0.178	0.152					0.147	11.50
26)	allyl chloride												
	0.181	0.207	0.208	0.228	0.225	0.222	0.213	0.225				0.214	7.24
27)	acetonitrile												
		0.037	0.030	0.032	0.031	0.030	0.036	0.033				0.033	8.24
28)	iodomethane												
	0.923	0.870	0.936	1.023	0.978	1.002	1.017	0.983	0.667			0.933	11.93
29)	iso-butyl alcohol												
		0.004	0.005	0.005	0.005	0.005	0.005	0.005				0.005#	6.41
30)	carbon disulfide												
	1.852	1.677	1.695	1.879	1.831	1.797	1.920	1.868	1.294			1.757	10.93
31)	methylene chloride												
	0.566	0.495	0.492	0.534	0.532	0.516	0.560	0.544	0.422			0.518	8.54
32)	methyl acetate												
		0.056	0.068	0.074	0.073	0.069	0.065	0.070				0.068	8.89
33)	1-chloropropane												
		0.838	0.670	0.742	0.718	0.701	0.854	0.763				0.755	9.10
34)	methyl tert butyl ether												
	1.441	1.278	1.393	1.488	1.445	1.394	1.455	1.460	1.249			1.400	5.96
35)	trans-1,2-dichloroethene												
	0.440	0.417	0.400	0.437	0.436	0.411	0.454	0.448	0.363			0.423	6.70
36)	di-isopropyl ether												
	1.507	1.573	1.474	1.602	1.541	1.468	1.545	1.539	1.213			1.496	7.66
37)	2-butanone												
		0.051	0.051	0.047	0.053	0.042	0.046					0.048	8.76
38)	1,1-dichloroethane												
	0.708	0.689	0.738	0.797	0.778	0.761	0.783	0.769	0.580	0.819		0.742	9.37
39)	chloroprene												
	0.448	0.507	0.513	0.551	0.531	0.538	0.518	0.529				0.517	6.05
40)	acrylonitrile												
	0.161	0.158	0.170	0.181	0.181	0.174	0.181	0.175	0.164			0.172	5.31
41)	vinyl acetate												
		0.065	0.064	0.061	0.067	0.051	0.057					0.061	9.75
42)	ethyl tert-butyl ether												
	1.529	1.612	1.516	1.602	1.504	1.537	1.472	1.496	1.331			1.511	5.41
43)	ethyl acetate												
		0.051	0.054	0.053	0.052	0.048	0.047					0.051	5.75
44)	2,2-dichloropropane												
	0.695	0.641	0.643	0.701	0.675	0.661	0.719	0.713	0.541			0.666	8.21
45)	cis-1,2-dichloroethene												
	0.498	0.435	0.458	0.492	0.490	0.475	0.483	0.488	0.365			0.465	9.11
46)	propionitrile												
	0.063	0.059	0.065	0.067	0.068	0.066	0.073	0.069	0.074			0.067	6.72
47)	bromochloromethane												
	0.224	0.212	0.232	0.248	0.246	0.243	0.244	0.248	0.172			0.230	10.92
48)	tetrahydrofuran												
	0.123	0.125	0.125	0.132	0.134	0.129	0.128	0.135				0.129	3.47
49)	chloroform												
	0.718	0.661	0.669	0.720	0.703	0.687	0.739	0.702	0.705			0.701	3.54
50)	t-butyl formate												
	0.370	0.375	0.373	0.381	0.353	0.387	0.345	0.346				0.366	4.41
51)	dibromofluoromethane (s)												
	0.469	0.426	0.363	0.383	0.373	0.383	0.364	0.377				0.392	9.33
52)	1,2-dichloroethane-d4 (s)												
	0.391	0.371	0.353	0.375	0.361	0.377	0.351	0.360	0.400			0.371	4.51
53)	freon 113												

Initial Calibration Summary

Job Number: JB69926 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
      0.331 0.398 0.384 0.426 0.405 0.395 0.433 0.428              0.400    8.26
54)  methacrylonitrile
      0.220 0.206 0.238 0.242 0.238 0.253 0.236 0.229              0.233    6.17
55)  1,1,1-trichloroethane
      0.633 0.601 0.660 0.702 0.654 0.705 0.696 0.669              0.665    5.46
56)  Cyclohexane
      0.621 0.628 0.665 0.726 0.668 0.713 0.695 0.691              0.676    5.56
57)  tert amyl alcohol
                                                                   0.000#  -1.00

58) I   1,4-difluorobenzene   ----------------ISTD---------------------
59)  tert amyl ethyl ether
                                                                   0.000#  -1.00
60)  Di-isobutylene
                                                                   0.000#  -1.00
61)  epichlorohydrin
                  0.030 0.031 0.030 0.031 0.032 0.032              0.031    3.08
62)  n-butyl alcohol
                  0.012 0.012 0.011 0.012 0.012 0.012              0.012    4.02
63)  carbon tetrachloride
      0.557 0.519 0.497 0.558 0.538 0.499 0.582 0.567 0.374 0.651  0.534   13.46
64)  1,1-dichloropropene
      0.420 0.408 0.401 0.438 0.418 0.413 0.430 0.448 0.290        0.407   11.39
65)  hexane
            0.403 0.380 0.417 0.400 0.375 0.414 0.418              0.401    4.39
66)  benzene
      1.302 1.193 1.233 1.351 1.318 1.252 1.341 1.346 1.060 1.723  1.312   12.95
67)  2,2,4-trimethylpentane
      1.033 1.219 1.299 1.460 1.354 1.301 1.367 1.342              1.297    9.78
68)  tert-amyl methyl ether
      1.609 1.508 1.150 1.282 1.245 1.115 1.251 1.261 1.361        1.309   12.25
69)  heptane
      0.142 0.179 0.200 0.216 0.205 0.207 0.202 0.206              0.194   12.15
70)  isopropyl acetate
            0.850 0.642 0.661 0.615 0.638 0.635 0.635              0.668   12.19
71)  1,2-dichloroethane
      0.418 0.356 0.370 0.401 0.400 0.367 0.403 0.403 0.366 0.393  0.388    5.41
72)  trichloroethene
      0.307 0.276 0.305 0.326 0.310 0.318 0.303 0.313 0.215 0.338  0.301   11.34
73)  ethyl acrylate
                                                                   0.000#  -1.00
74)  2-nitropropane
                  0.020 0.020 0.018 0.021 0.019 0.017              0.019    6.91
75)  2-chloroethyl vinyl ether
            0.212 0.169 0.181 0.171 0.166 0.167 0.169              0.176    9.49
76)  methyl methacrylate
                  0.071 0.075 0.072 0.074 0.071 0.071              0.073    2.37
77)  1,2-dichloropropane
      0.310 0.277 0.314 0.331 0.327 0.317 0.327 0.325 0.247        0.308    9.05
78)  dibromomethane
      0.178 0.177 0.188 0.202 0.201 0.190 0.204 0.200 0.181        0.191    5.62
79)  methylcyclohexane
      0.518 0.616 0.616 0.682 0.629 0.616 0.636 0.646              0.620    7.57
80)  bromodichloromethane
      0.383 0.356 0.398 0.420 0.407 0.412 0.427 0.413 0.385        0.400    5.59
81)  cis-1,3-dichloropropene
      0.413 0.387 0.458 0.490 0.459 0.477 0.470 0.455 0.466        0.453    7.17
82)  toluene-d8 (s)
      1.030 1.032 0.940 1.027 0.982 0.974 0.970 1.034 1.151        1.016    6.04
83)  4-methyl-2-pentanone
```

Initial Calibration Summary

Job Number: JB69926 **Sample:** V2B5440-ICC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119845.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
      0.155 0.132 0.156 0.155 0.146 0.156 0.164 0.151              0.152    6.21
 84)  toluene
      0.623 0.593 0.654 0.708 0.667 0.677 0.687 0.673 0.569        0.650    7.05
 85)  3-methyl-1-butanol
            0.031 0.018 0.018 0.017 0.018 0.019 0.018              0.020   24.75
            ----- Linear regression -----  Coefficient =  0.9998
              Response Ratio = -0.00120 + 0.01806 *A

 86)  trans-1,3-dichloropropene
      0.364 0.360 0.397 0.418 0.395 0.404 0.416 0.406 0.422        0.398    5.65
 87)  ethyl methacrylate
      0.280 0.267 0.374 0.376 0.354 0.382 0.364 0.348 0.366        0.346   12.25
 88)  1,1,2-trichloroethane
      0.204 0.197 0.211 0.224 0.218 0.215 0.236 0.218 0.249        0.219    7.26
 89)  2-hexanone
      0.082 0.093 0.114 0.111 0.108 0.116 0.111 0.101              0.105   11.29

 90) I   chlorobenzene-d5      ----------------ISTD--------------------
 91)  butyl ether
                                                                   0.000#  -1.00
 92)  tetrachloroethene
      0.324 0.288 0.319 0.340 0.322 0.342 0.338 0.324              0.325    5.36
 93)  1,3-dichloropropane
      0.504 0.441 0.509 0.516 0.496 0.532 0.520 0.493 0.485        0.500    5.23
 94)  butyl acetate
                  0.246 0.243 0.225 0.264 0.248 0.228              0.242    5.84
 95)  3,3-dimethyl-1-butanol
            0.107 0.066 0.061 0.053 0.069 0.062 0.059              0.068   26.07
            ----- Linear regression -----  Coefficient =  0.9986
              Response Ratio = -0.03269 + 0.06925 *A

 96)  dibromochloromethane
      0.395 0.349 0.400 0.400 0.388 0.424 0.421 0.385 0.456        0.402    7.38
 97)  1,2-dibromoethane
      0.321 0.291 0.337 0.344 0.326 0.359 0.350 0.326 0.362        0.335    6.59
 98)  chlorobenzene
      0.854 0.813 0.915 0.946 0.890 0.978 0.961 0.910 0.978        0.916    6.20
 99)  1,1,1,2-tetrachloroethane
      0.401 0.390 0.468 0.462 0.435 0.490 0.466 0.442 0.481        0.448    7.70
100)  ethylbenzene
      1.389 1.300 1.465 1.542 1.481 1.535 1.544 1.502 1.356        1.457    6.08
101)  m,p-xylene
      0.514 0.478 0.593 0.611 0.577 0.636 0.602 0.582 0.519        0.568    9.20
102)  o-xylene
      0.555 0.537 0.699 0.707 0.660 0.744 0.657 0.647 0.638        0.649   10.41
103)  styrene
      0.869 0.779 0.998 1.005 0.957 1.046 0.965 0.925 0.953        0.944    8.47
104)  butyl acrylate
                                                                   0.000#  -1.00
105)  bromoform
      0.301 0.276 0.313 0.302 0.297 0.328 0.335 0.305 0.395        0.317   10.73

106) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
107)  isopropylbenzene
      2.504 2.335 3.363 3.547 3.142       2.855 3.001              2.964   14.78
108)  4-bromofluorobenzene (s)
                  0.734 0.786 0.740 0.769 0.772 0.754              0.759    2.66
109)  cyclohexanone
      0.053 0.037 0.043 0.045 0.040 0.033 0.039 0.038              0.041   14.90
110)  bromobenzene
```

```
       0.747 0.703 0.823 0.858 0.798 0.860 0.844 0.807 0.865        0.812    6.84
111)  1,1,2,2-tetrachloroethane
       0.916 0.926 0.899 0.919 0.896 0.899 1.041 0.945              0.930    5.12
112)  trans-1,4-dichloro-2-butene
       0.144 0.162 0.179 0.184 0.178 0.177 0.193 0.181              0.175    8.66
113)  1,2,3-trichloropropane
       0.186 0.188 0.199 0.205 0.194 0.199 0.231 0.221              0.203    7.76
114)  n-propylbenzene
       2.743 2.617 3.162 3.429 3.162 3.299 3.081 3.160 2.728        3.042    9.21
115)  2-chlorotoluene
       0.623 0.626 0.780 0.818 0.738 0.842 0.754 0.725 0.698        0.734   10.41
116)  4-chlorotoluene
       1.737 1.719 1.880 1.995 1.869 2.009 1.974 1.901 1.954        1.893    5.59
117)  1,3,5-trimethylbenzene
       1.978 1.902 2.681 2.839 2.536 2.854 2.382 2.443 2.126        2.416   14.62
118)  tert-butylbenzene
       1.772 1.601 2.719 2.734 2.281 2.961 1.980 2.097              2.268   21.75
             ----- Linear regression -----  Coefficient =  0.9985
               Response Ratio = -0.16212 + 2.95633 *A

119)  pentachloroethane
       0.601 0.551 0.705 0.710 0.641 0.757 0.660 0.635 0.706        0.663    9.58
120)  1,2,4-trimethylbenzene
       2.026 1.926 2.558 2.690 2.506 2.677 2.351 2.490 2.140        2.374   11.86
121)  sec-butylbenzene
             2.643 3.807 3.945 3.438 4.107 3.204 3.292              3.491   14.47
122)  1,3-dichlorobenzene
       1.549 1.443 1.498 1.591 1.527 1.565 1.656 1.556 1.789        1.575    6.32
123)  p-isopropyltoluene
                   3.123 3.280 2.874 3.388 2.657 2.755              3.013    9.81
124)  1,4-dichlorobenzene
       1.582 1.451 1.509 1.563 1.518 1.580 1.644 1.534 1.835        1.580    6.98
125)  1,2-dichlorobenzene
       1.697 1.554 1.664 1.744 1.669 1.721 1.735 1.682 1.916        1.709    5.61
126)  n-butylbenzene
       1.142 1.046 1.497 1.554 1.386 1.589 1.315 1.333              1.358   14.13
127)  1,2-dibromo-3-chloropropane
       0.172 0.181 0.178 0.174 0.179 0.185 0.185 0.190              0.181    3.35
128)  1,3,5-trichlorobenzene
       1.540 1.436 1.719 1.816 1.668 1.808 1.664 1.618 1.845        1.679    8.07
129)  1,2,4-trichlorobenzene
       1.453 1.374 1.726 1.807 1.642 1.798 1.611 1.613 1.806        1.648    9.47
130)  hexachlorobutadiene
       0.667 0.623 0.774 0.814 0.713 0.857 0.748 0.733 0.751        0.742    9.55
131)  naphthalene
       3.196 2.932 3.634 3.743 3.468 3.611 3.438 3.462 3.941        3.492    8.50
132)  1,2,3-trichlorobenzene
       1.484 1.424 1.696 1.766 1.610 1.683 1.645 1.612 1.808        1.637    7.54
133)  hexachloroethane
             0.410 0.747 0.720 0.598 0.837 0.525 0.560              0.628   23.43
             ----- Linear regression -----  Coefficient =  0.9973
               Response Ratio = -0.07258 + 0.83873 *A

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

          M2B5440.M         Thu Jun 05 12:36:43 2014   MS2B
```

Initial Calibration Verification

Job Number: JB69926 **Sample:** V2B5440-ICV5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119850.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
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	103	0.00	8.36
2	M	tertiary butyl alcohol	1.237	1.252	-1.2	111	0.00	8.49
3		ethanol		----------NA----------				
4	M	1,4-dioxane	0.117	0.121	-3.4	107	0.00	12.43
5	I	pentafluorobenzene	1.000	1.000	0.0	102	0.00	10.82
6		freon 143a		----------NA----------				
7		freon 142b		----------NA----------				
8		freon 141b		----------NA----------				
9	M	chlorodifluoromethane	0.547	0.517	5.5	87	-0.01	4.48
10	M	dichlorodifluoromethane	0.699	0.771	-10.3	101	0.00	4.46
11	m	chlorotrifluoroethene		----------NA----------				
12	M	chloromethane	0.876	0.946	-8.0	102	0.00	4.86
13	M	vinyl chloride	0.869	0.948	-9.1	104	0.00	5.16
14		1,3-Butadiene		----------NA----------				
15	M	bromomethane	0.540	0.550	-1.9	102	-0.01	5.90
16	M	chloroethane	0.336	0.353	-5.1	101	0.00	6.08
17		vinyl bromide		----------NA----------				
18	M	trichlorofluoromethane	0.828	0.896	-8.2	101	0.00	6.68
19		Pentane		----------NA----------				
20	M	ethyl ether	0.215	0.231	-7.4	98	0.00	7.13
21	M	acrolein	0.098	0.106	-8.2	100	0.00	7.37
22		2-chloropropane	0.840	0.817	2.7	98	0.00	7.33
23		1,2-dichloro-1,2,2-triflu		----------NA----------				
24	M	1,1-dichloroethene	0.460	0.455	1.1	97	0.00	7.59
25	M	acetone	0.147	0.132	10.2	92	-0.01	7.63
26	M	allyl chloride	0.214	0.213	0.5	95	0.00	8.19
27	M	acetonitrile	0.033	0.030	9.1	94	0.00	8.10
28	M	iodomethane	0.933	0.986	-5.7	98	-0.01	7.89
29	M	iso-butyl alcohol	0.005	0.005#	0.0	104	0.00	11.11
30	M	carbon disulfide	1.757	1.817	-3.4	98	0.00	8.04
31	M	methylene chloride	0.518	0.518	0.0	99	0.00	8.39
32	M	methyl acetate	0.068	0.066	2.9	90	0.00	8.18
33		1-chloropropane	0.755	0.747	1.1	102	0.00	8.45
34	M	methyl tert butyl ether	1.400	1.414	-1.0	97	0.00	8.82
35	M	trans-1,2-dichloroethene	0.423	0.419	0.9	98	0.00	8.83
36	M	di-isopropyl ether	1.496	1.540	-2.9	98	0.00	9.50
37	M	2-butanone	0.048	0.050	-4.2	99	0.00	10.22
38	M	1,1-dichloroethane	0.742	0.775	-4.4	99	0.00	9.45
39	M	chloroprene	0.517	0.478	7.5	88	0.00	9.58
40	M	acrylonitrile	0.172	0.179	-4.1	100	0.00	8.73
41	M	vinyl acetate	0.061	0.072	-18.0	115	0.00	9.45

Initial Calibration Verification

Job Number: JB69926 **Sample:** V2B5440-ICV5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119850.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	M	ethyl tert-butyl ether	1.511	1.515	-0.3	96	0.00	10.00
43	M	ethyl acetate	0.051	0.050	2.0	94	0.00	10.26
44	M	2,2-dichloropropane	0.666	0.669	-0.5	97	0.00	10.27
45	M	cis-1,2-dichloroethene	0.465	0.478	-2.8	99	0.00	10.24
46	M	propionitrile	0.067	0.068	-1.5	103	0.00	10.29
47	M	bromochloromethane	0.230	0.244	-6.1	100	0.00	10.56
48	M	tetrahydrofuran	0.129	0.128	0.8	99	0.00	10.63
49	M	chloroform	0.701	0.703	-0.3	99	0.00	10.63
50		t-butyl formate	0.366	0.386	-5.5	103	0.00	10.70
51	S	dibromofluoromethane (s)	0.392	0.374	4.6	99	0.00	10.84
52	S	1,2-dichloroethane-d4 (s)	0.371	0.358	3.5	97	0.00	11.27
53	M	freon 113	0.400	0.415	-3.7	99	-0.01	7.62
54	M	methacrylonitrile	0.233	0.237	-1.7	99	0.00	10.50
55	M	1,1,1-trichloroethane	0.665	0.692	-4.1	100	0.00	10.93
56	M	Cyclohexane	0.676	0.716	-5.9	100	0.00	11.03
57		tert amyl alcohol		----------NA----------				
58	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	11.74
59		tert amyl ethyl ether		----------NA----------				
60	M	Di-isobutylene		----------NA----------				
61	M	epichlorohydrin	0.031	0.032	-3.2	105	0.00	12.92
62	M	n-butyl alcohol	0.012	0.013	-8.3	109	0.00	11.84
63	M	carbon tetrachloride	0.534	0.543	-1.7	99	0.00	11.14
64	M	1,1-dichloropropene	0.407	0.429	-5.4	100	0.00	11.11
65	M	hexane	0.401	0.493	-22.9#	120	0.00	9.23
66	M	benzene	1.312	1.315	-0.2	99	0.00	11.37
67		2,2,4-trimethylpentane	1.297	1.301	-0.3	91	0.00	11.44
68	M	tert-amyl methyl ether	1.309	1.223	6.6	97	0.00	11.44
69	M	heptane	0.194	0.187	3.6	88	0.00	11.60
70	M	isopropyl acetate	0.668	0.659	1.3	102	0.00	11.31
71	M	1,2-dichloroethane	0.388	0.389	-0.3	99	0.00	11.36
72	M	trichloroethene	0.301	0.322	-7.0	100	0.00	12.07
73		ethyl acrylate		----------NA----------				
74	M	2-nitropropane	0.019	0.022	-15.8	112	0.00	13.13
75	M	2-chloroethyl vinyl ether	0.176	0.177	-0.6	100	0.00	12.82
76	M	methyl methacrylate	0.073	0.074	-1.4	100	0.00	12.34
77	M	1,2-dichloropropane	0.308	0.317	-2.9	98	0.00	12.32
78	M	dibromomethane	0.191	0.196	-2.6	99	0.00	12.45
79	M	methylcyclohexane	0.620	0.604	2.6	90	0.00	12.32
80	M	bromodichloromethane	0.400	0.412	-3.0	100	0.00	12.58
81	M	cis-1,3-dichloropropene	0.453	0.475	-4.9	99	0.00	13.02
82	S	toluene-d8 (s)	1.016	1.028	-1.2	102	0.00	13.32
83	M	4-methyl-2-pentanone	0.152	0.162	-6.6	107	0.00	13.13
84	M	toluene	0.650	0.700	-7.7	101	0.00	13.39
		----------	True	Calc.	% Drift	----------		
85	M	3-methyl-1-butanol	1000.000	1074.297	-7.4	111	0.00	13.13
		----------	AvgRF	CCRF	% Dev	----------		
86	M	trans-1,3-dichloropropene	0.398	0.410	-3.0	100	0.00	13.55
87	M	ethyl methacrylate	0.346	0.387	-11.8	105	0.00	13.57
88	M	1,1,2-trichloroethane	0.219	0.226	-3.2	103	0.00	13.74
89	M	2-hexanone	0.105	0.114	-8.6	105	0.00	13.92
90	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	14.72
91	m	butyl ether		----------NA----------				
92	M	tetrachloroethene	0.325	0.339	-4.3	101	0.00	13.94
93	M	1,3-dichloropropane	0.500	0.520	-4.0	102	0.00	13.92
94	M	butyl acetate	0.242	0.251	-3.7	104	0.00	14.00

Initial Calibration Verification

Job Number: JB69926 **Sample:** V2B5440-ICV5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B119850.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
95		3,3-dimethyl-1-butanol	500.000	493.105	1.4	108	0.00	14.08

			AvgRF	CCRF	% Dev			
96	M	dibromochloromethane	0.402	0.407	-1.2	103	0.00	14.16
97	M	1,2-dibromoethane	0.335	0.344	-2.7	101	0.00	14.31
98	M	chlorobenzene	0.916	0.946	-3.3	101	0.00	14.75
99	M	1,1,1,2-tetrachloroethane	0.448	0.472	-5.4	103	0.00	14.80
100	M	ethylbenzene	1.457	1.553	-6.6	102	0.00	14.81
101	M	m,p-xylene	0.568	0.615	-8.3	102	0.00	14.91
102	M	o-xylene	0.649	0.712	-9.7	102	0.00	15.30
103	M	styrene	0.944	1.019	-7.9	103	0.00	15.30
104		butyl acrylate		----------NA----------				
105	M	bromoform	0.317	0.312	1.6	105	0.00	15.52
106	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	16.88
107	M	isopropylbenzene	2.964	3.464	-16.9	101	0.00	15.62
108	S	4-bromofluorobenzene (s)	0.759	0.778	-2.5	102	0.00	15.79
109	M	cyclohexanone	0.041	0.034	17.1	78	0.00	15.75
110	M	bromobenzene	0.812	0.840	-3.4	101	0.00	15.98
111	M	1,1,2,2-tetrachloroethane	0.930	0.936	-0.6	105	0.00	15.86
112	M	trans-1,4-dichloro-2-bute	0.175	0.185	-5.7	104	0.00	15.91
113	M	1,2,3-trichloropropane	0.203	0.209	-3.0	105	0.00	15.94
114	M	n-propylbenzene	3.042	3.405	-11.9	103	0.00	16.00
115	M	2-chlorotoluene	0.734	0.796	-8.4	101	0.00	16.13
116	M	4-chlorotoluene	1.893	1.973	-4.2	102	0.00	16.22
117	M	1,3,5-trimethylbenzene	2.416	2.789	-15.4	102	0.00	16.14

			True	Calc.	% Drift			
118	M	tert-butylbenzene	50.000	47.198	5.6	99	0.00	16.47

			AvgRF	CCRF	% Dev			
119	M	pentachloroethane	0.663	0.696	-5.0	101	0.00	16.52
120	M	1,2,4-trimethylbenzene	2.374	2.692	-13.4	103	0.00	16.50
121	M	sec-butylbenzene	3.491	3.944	-13.0	103	0.00	16.67
122	M	1,3-dichlorobenzene	1.575	1.588	-0.8	103	0.00	16.83
123	M	p-isopropyltoluene	3.013	3.236	-7.4	102	0.00	16.78
124	M	1,4-dichlorobenzene	1.580	1.559	1.3	103	0.00	16.91
125	M	1,2-dichlorobenzene	1.709	1.754	-2.6	104	0.00	17.28
126	M	n-butylbenzene	1.358	1.548	-14.0	103	0.00	17.17
127	M	1,2-dibromo-3-chloropropa	0.181	0.181	0.0	108	0.00	18.02
128		1,3,5-trichlorobenzene	1.679	1.789	-6.6	102	0.00	18.24
129	M	1,2,4-trichlorobenzene	1.648	1.792	-8.7	103	0.00	18.88
130	M	hexachlorobutadiene	0.742	0.820	-10.5	104	0.00	19.02
131	M	naphthalene	3.492	3.785	-8.4	105	0.00	19.17
132	M	1,2,3-trichlorobenzene	1.637	1.771	-8.2	104	0.00	19.41

			True	Calc.	% Drift			
133	M	hexachloroethane	50.000	47.104	5.8	103	0.00	17.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Continuing Calibration Summary

Job Number: JB69926 **Sample:** V2B5478-CC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B120709.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\2b\v2b5477-5478\2B120709.D Vial: 26
Acq On : 27 Jun 2014 10:16 pm Operator: payalr
Sample : cc5440-50 Inst : MS2B
Misc : MS69296,V2B5478,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Tue Jun 17 10:44:16 2014
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	97	-0.01	8.35
2	M	tertiary butyl alcohol	1.237	1.276	-3.2	106	0.00	8.49
3		ethanol		----------NA----------				
4	M	1,4-dioxane	0.117	0.125	-6.8	104	0.00	12.43
5	I	pentafluorobenzene	1.000	1.000	0.0	108	0.00	10.82
6		freon 143a		----------NA----------				
7		freon 142b		----------NA----------				
8		freon 141b		----------NA----------				
9	M	chlorodifluoromethane	0.547	0.713	-30.3#	128	0.00	4.48
10	M	dichlorodifluoromethane	0.699	0.770	-10.2	107	0.00	4.46
11	m	chlorotrifluoroethene		----------NA----------				
12	M	chloromethane	0.876	0.910	-3.9	104	0.00	4.87
13	M	vinyl chloride	0.869	0.906	-4.3	106	0.00	5.16
14		1,3-Butadiene		----------NA----------				
15	M	bromomethane	0.540	0.534	1.1	106	0.00	5.90
16	M	chloroethane	0.336	0.329	2.1	100	0.01	6.09
17		vinyl bromide		----------NA----------				
18	M	trichlorofluoromethane	0.828	0.799	3.5	96	0.00	6.68
19		Pentane		----------NA----------				
20	M	ethyl ether	0.215	0.201	6.5	92	0.00	7.13
21	M	acrolein	0.098	0.088	10.2	88	0.00	7.36
22		2-chloropropane	0.840	0.671	20.1#	86	0.00	7.33
23		1,2-dichloro-1,2,2-triflu		----------NA----------				
24	M	1,1-dichloroethene	0.460	0.384	16.5	88	0.00	7.59
25	M	acetone	0.147	0.117	20.4#	87	0.00	7.63
26	M	allyl chloride	0.214	0.188	12.1	89	0.00	8.20
27	M	acetonitrile	0.033	0.029	12.1	97	0.00	8.10
28	M	iodomethane	0.933	0.865	7.3	92	-0.02	7.88
29	M	iso-butyl alcohol		----------NA----------				
30	M	carbon disulfide	1.757	1.512	13.9	87	-0.01	8.03
31	M	methylene chloride	0.518	0.451	12.9	92	0.00	8.38
32	M	methyl acetate	0.068	0.065	4.4	96	0.00	8.18
33		1-chloropropane	0.755	0.587	22.3#	86	0.00	8.45
34	M	methyl tert butyl ether	1.400	1.259	10.1	92	0.00	8.81
35	M	trans-1,2-dichloroethene	0.423	0.386	8.7	96	0.00	8.82
36	M	di-isopropyl ether	1.496	1.393	6.9	94	0.00	9.50
37	M	2-butanone	0.048	0.042	12.5	89	0.00	10.21
38	M	1,1-dichloroethane	0.742	0.677	8.8	92	0.00	9.44
39	M	chloroprene	0.517	0.490	5.2	96	0.00	9.58
40	M	acrylonitrile	0.172	0.152	11.6	91	0.00	8.73
41	M	vinyl acetate	0.061	0.062	-1.6	106	0.00	9.45

Continuing Calibration Summary

Job Number: JB69926 **Sample:** V2B5478-CC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B120709.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	M	ethyl tert-butyl ether	1.511	1.427	5.6	97	0.00	9.99
43	M	ethyl acetate	0.051	0.046	9.8	92	0.00	10.26
44	M	2,2-dichloropropane	0.666	0.565	15.2	87	0.00	10.27
45	M	cis-1,2-dichloroethene	0.465	0.440	5.4	97	0.00	10.24
46	M	propionitrile	0.067	0.058	13.4	93	0.00	10.29
47	M	bromochloromethane	0.230	0.223	3.0	98	0.00	10.56
48	M	tetrahydrofuran	0.129	0.122	5.4	100	0.00	10.63
49	M	chloroform	0.701	0.633	9.7	95	0.00	10.63
50		t-butyl formate	0.366	0.346	5.5	99	0.00	10.71
51	S	dibromofluoromethane (s)	0.392	0.367	6.4	104	0.00	10.83
52	S	1,2-dichloroethane-d4 (s)	0.371	0.340	8.4	98	0.00	11.27
53	M	freon 113	0.400	0.441	-10.2	112	0.00	7.62
54	M	methacrylonitrile	0.233	0.196	15.9	88	0.00	10.50
55	M	1,1,1-trichloroethane	0.665	0.622	6.5	96	0.00	10.93
56	M	Cyclohexane	0.676	0.631	6.7	94	0.00	11.03
57		tert amyl alcohol		----------NA----------				
58	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	11.73
59		tert amyl ethyl ether		----------NA----------				
60	M	Di-isobutylene		----------NA----------				
61	M	epichlorohydrin	0.031	0.030	3.2	105	0.00	12.91
62	M	n-butyl alcohol	0.012	0.011	8.3	105	0.00	11.84
63	M	carbon tetrachloride	0.534	0.487	8.8	96	0.00	11.15
64	M	1,1-dichloropropene	0.407	0.378	7.1	95	0.00	11.11
65	M	hexane	0.401	0.410	-2.2	108	0.00	9.22
66	M	benzene	1.312	1.201	8.5	98	0.00	11.37
67		2,2,4-trimethylpentane	1.297	1.321	-1.9	99	0.00	11.44
68	M	tert-amyl methyl ether	1.309	1.138	13.1	98	0.00	11.44
69	M	heptane	0.194	0.207	-6.7	105	0.00	11.60
70	M	isopropyl acetate	0.668	0.580	13.2	96	0.00	11.31
71	M	1,2-dichloroethane	0.388	0.348	10.3	95	0.00	11.36
72	M	trichloroethene	0.301	0.300	0.3	101	0.00	12.07
73		ethyl acrylate		----------NA----------				
74	M	2-nitropropane	0.019	0.020	-5.3	108	0.00	13.12
75	M	2-chloroethyl vinyl ether	0.176	0.179	-1.7	109	0.00	12.82
76	M	methyl methacrylate	0.073	0.066	9.6	97	0.00	12.34
77	M	1,2-dichloropropane	0.308	0.304	1.3	101	0.00	12.32
78	M	dibromomethane	0.191	0.187	2.1	102	0.00	12.45
79	M	methylcyclohexane	0.620	0.668	-7.7	108	0.00	12.32
80	M	bromodichloromethane	0.400	0.383	4.3	100	0.00	12.58
81	M	cis-1,3-dichloropropene	0.453	0.428	5.5	96	0.00	13.02
82	S	toluene-d8 (s)	1.016	1.050	-3.3	112	0.00	13.32
83	M	4-methyl-2-pentanone	0.152	0.131	13.8	93	0.00	13.13
84	M	toluene	0.650	0.651	-0.2	101	0.00	13.39
		----------	True	Calc.	% Drift	----------		
85	M	3-methyl-1-butanol	1000.000	965.339	3.5	107	0.00	13.13
		----------	AvgRF	CCRF	% Dev	----------		
86	M	trans-1,3-dichloropropene	0.398	0.363	8.8	95	0.00	13.54
87	M	ethyl methacrylate	0.346	0.325	6.1	95	0.00	13.56
88	M	1,1,2-trichloroethane	0.219	0.205	6.4	101	0.00	13.74
89	M	2-hexanone	0.105	0.090	14.3	89	0.00	13.92
90	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	14.72
91	m	butyl ether		----------NA----------				
92	M	tetrachloroethene	0.325	0.316	2.8	102	0.00	13.94
93	M	1,3-dichloropropane	0.500	0.464	7.2	99	0.00	13.92
94	M	butyl acetate	0.242	0.218	9.9	98	0.00	14.00

Continuing Calibration Summary

Job Number: JB69926 **Sample:** V2B5478-CC5440
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 2B120709.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift				
95		3,3-dimethyl-1-butanol	500.000	441.827	11.6	105	0.00	14.07	
			AvgRF	CCRF	% Dev				
96	M	dibromochloromethane	0.402	0.374	7.0	103	0.00	14.16	
97	M	1,2-dibromoethane	0.335	0.313	6.6	100	0.00	14.30	
98	M	chlorobenzene	0.916	0.879	4.0	102	0.00	14.75	
99	M	1,1,1,2-tetrachloroethane	0.448	0.441	1.6	105	0.00	14.80	
100	M	ethylbenzene	1.457	1.410	3.2	100	0.00	14.81	
101	M	m,p-xylene	0.568	0.566	0.4	102	0.00	14.91	
102	M	o-xylene	0.649	0.665	-2.5	103	0.00	15.30	
103	M	styrene	0.944	0.927	1.8	101	0.00	15.30	
104		butyl acrylate		----------NA----------					
105	M	bromoform	0.317	0.287	9.5	105	0.00	15.52	
106	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	16.88	
107	M	isopropylbenzene	2.964	3.339	-12.7	101	0.00	15.62	
108	S	4-bromofluorobenzene (s)	0.759	0.778	-2.5	106	0.00	15.79	
109	M	cyclohexanone	0.041	0.024	41.5#	57	0.00	15.75	
110	M	bromobenzene	0.812	0.817	-0.6	102	0.00	15.98	
111	M	1,1,2,2-tetrachloroethane	0.930	0.895	3.8	104	0.00	15.87	
112	M	trans-1,4-dichloro-2-bute	0.175	0.140	20.0	82	0.00	15.91	
113	M	1,2,3-trichloropropane	0.203	0.199	2.0	104	0.00	15.94	
114	M	n-propylbenzene	3.042	3.171	-4.2	99	0.00	16.00	
115	M	2-chlorotoluene	0.734	0.783	-6.7	103	0.00	16.13	
116	M	4-chlorotoluene	1.893	1.834	3.1	99	0.00	16.22	
117	M	1,3,5-trimethylbenzene	2.416	2.625	-8.7	99	0.00	16.14	
			True	Calc.	% Drift				
118	M	tert-butylbenzene	50.000	44.143	11.7	96	0.00	16.47	
			AvgRF	CCRF	% Dev				
119	M	pentachloroethane	0.663	0.678	-2.3	102	0.00	16.52	
120	M	1,2,4-trimethylbenzene	2.374	2.518	-6.1	100	0.00	16.50	
121	M	sec-butylbenzene	3.491	3.659	-4.8	99	0.00	16.67	
122	M	1,3-dichlorobenzene	1.575	1.479	6.1	100	0.00	16.83	
123	M	p-isopropyltoluene	3.013	3.024	-0.4	99	0.00	16.78	
124	M	1,4-dichlorobenzene	1.580	1.472	6.8	101	0.00	16.90	
125	M	1,2-dichlorobenzene	1.709	1.653	3.3	102	0.00	17.28	
126	M	n-butylbenzene	1.358	1.389	-2.3	96	0.00	17.17	
127	M	1,2-dibromo-3-chloropropa	0.181	0.160	11.6	99	0.00	18.02	
128		1,3,5-trichlorobenzene	1.679	1.697	-1.1	100	0.00	18.24	
129	M	1,2,4-trichlorobenzene	1.648	1.628	1.2	97	0.00	18.88	
130	M	hexachlorobutadiene	0.742	0.718	3.2	95	0.00	19.02	
131	M	naphthalene	3.492	3.344	4.2	96	0.00	19.16	
132	M	1,2,3-trichlorobenzene	1.637	1.575	3.8	96	0.00	19.40	
			True	Calc.	% Drift				
133	M	hexachloroethane	50.000	44.228	11.5	100	0.00	17.55	

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Initial Calibration Summary

Job Number: JB69926 **Sample:** VY6377-ICC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146740.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSY

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Calibration Files
5 =Y146737.D 10 =Y146738.D 0.5 =Y146734.D 50 =Y146740.D
100 =Y146741.D 1 =Y146735.D 200 =Y146742.D 20 =Y146739.D
2 =Y146736.D 0.2 =Y146733.D = =

Compound	5	10	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I Tert Butyl Alcohol-d9	----------ISTD----------											
2) 1,4-dioxane	0.117	0.121	0.129	0.118	0.118	0.115					0.120	3.98
3) ETHANOL											0.000	-1.00
4) tertiary butyl alcohol	1.400	1.367	1.368	1.316	1.266	1.282	1.311	1.286			1.324	3.65
5) I pentafluorobenzene	----------ISTD----------											
6) propene											0.000	-1.00
7) freon 141b											0.000	-1.00
8) freon 142b											0.000	-1.00
9) freon 143a											0.000	-1.00
10) freon 114											0.000	-1.00
11) chlorodifluoromethane	0.309	0.341	0.311	0.310	0.304	0.374	0.326				0.325	7.71
12) dichlorodifluoromethane	0.386	0.397	0.355	0.375	0.366	0.425	0.353				0.380	6.70
13) chloromethane	0.530	0.531	0.504	0.506	0.658	0.499	0.562	0.491			0.535	10.21
14) vinyl chloride	0.491	0.492	0.454	0.459	0.541	0.451	0.517	0.424			0.479	8.10
15) 1,3-butadiene											0.000	-1.00
16) bromomethane	0.370	0.361	0.331	0.324	0.275	0.369	0.369				0.343	10.34
17) chloroethane	0.226	0.228	0.216	0.214	0.233	0.203	0.240	0.204			0.221	6.10
18) Vinyl Bromide											0.000	-1.00
19) trichlorofluoromethane	0.513	0.517	0.461	0.476	0.632	0.465	0.548	0.496			0.514	10.91
20) ethyl ether	0.212	0.212	0.202	0.219	0.193	0.219	0.215	0.193			0.208	5.16
21) 2-chloropropane	0.144	0.155	0.139	0.142	0.140	0.162	0.134				0.145	6.67
22) acrolein	0.093	0.083	0.073	0.077	0.076	0.075	0.077				0.079	8.51
23) 1,1-dichloroethene												

Initial Calibration Summary

Job Number: JB69926 **Sample:** VY6377-ICC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146740.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

	0.533	0.539	0.615	0.487	0.493	0.535	0.492	0.554	0.513		0.529	7.55
24)	acetone											
	0.273	0.235		0.196	0.182			0.235			0.224	16.10
25)	allyl chloride											
	0.196	0.201		0.182	0.184		0.185	0.180			0.188	4.48
26)	acetonitrile											
	0.036	0.033		0.027	0.029		0.028	0.027			0.030	12.10
27)	iodomethane											
	0.676	0.668		0.636	0.654	0.679	0.654	0.717	0.662		0.668	3.58
28)	carbon disulfide											
	1.236	1.239	1.643	1.128	1.138	1.321	1.129	1.296	1.225		1.262	12.63
29)	1-chloropropane											
	0.926	0.779		0.590	0.593		0.584	0.738			0.702	19.69
30)	methylene chloride											
	0.843	0.736		0.560	0.561		0.553	0.663			0.653	18.15
31)	methyl acetate											
	0.044	0.052		0.056	0.059		0.060	0.054			0.054	10.94
32)	methyl tert butyl ether											
	1.158	1.157	1.099	1.096	1.164	1.220	1.143	1.176	1.142	1.146	1.150	3.12
33)	trans-1,2-dichloroethene											
	0.530	0.538	0.595	0.494	0.509	0.519	0.510	0.560	0.519		0.530	5.80
34)	di-isopropyl ether											
	1.283	1.339	1.359	1.305	1.338	1.434	1.344	1.420	1.298	1.633	1.375	7.49
35)	ethyl tert-butyl ether											
	1.222	1.293	1.150	1.269	1.300	1.371	1.302	1.358	1.227	1.372	1.286	5.61
36)	2-butanone											
	0.051	0.053		0.054	0.056		0.050	0.056			0.053	4.64
37)	1,1-dichloroethane											
	0.692	0.691	0.775	0.638	0.659	0.721	0.665	0.718	0.658		0.691	6.12
38)	chloroprene											
	0.480	0.510	0.505	0.467	0.475	0.506	0.479	0.534	0.457		0.490	5.02
39)	acrylonitrile											
	0.131	0.131		0.129	0.137	0.112	0.132	0.134	0.111		0.127	7.80
40)	vinyl acetate											
	0.037	0.045		0.059	0.063		0.063	0.057			0.054	19.67
41)	ethyl acetate											
	0.049	0.054		0.057	0.060		0.059	0.061			0.057	8.20
42)	2,2-dichloropropane											
	0.527	0.530	0.659	0.476	0.479	0.609	0.471	0.564	0.538		0.539	11.80
43)	cis-1,2-dichloroethene											
	0.435	0.434	0.512	0.404	0.420	0.478	0.428	0.458	0.446		0.446	7.31
44)	propionitrile											
	0.052	0.051		0.051	0.054	0.035	0.053	0.052	0.043		0.049	13.59
45)	bromochloromethane											
	0.276	0.278		0.264	0.281	0.282	0.282	0.284	0.274		0.278	2.35
46)	tetrahydrofuran											
	0.051	0.052		0.049	0.052		0.051	0.048			0.051	3.28
47)	chloroform											
	0.687	0.674		0.630	0.655	0.846	0.659	0.705	0.697		0.694	9.50
48)	tert-Butyl Formate											
	0.249	0.255		0.262	0.271		0.267	0.272	0.245		0.260	4.16
49)	isobutyl alcohol											
	0.017	0.014		0.013	0.014		0.013	0.013			0.014	10.17
50)	dibromofluoromethane (s)											
	0.396	0.384		0.348	0.367		0.366	0.398	0.472		0.390	10.27
51)	1,2-dichloroethane-d4 (s)											
	0.429	0.414		0.393	0.415		0.405	0.420			0.413	2.98
52)	freon 113											
	0.256	0.270		0.239	0.249		0.245	0.283	0.230		0.253	7.25
53)	methacrylonitrile											

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      0.143 0.148       0.142 0.155       0.151 0.146              0.148    3.35
54)  1,1,1-trichloroethane
      0.532 0.549 0.631 0.494 0.505 0.554 0.504 0.576 0.510        0.539    8.15
55)  Cyclohexane
      0.559 0.547 0.650 0.488 0.494 0.582 0.495 0.581 0.561        0.551    9.55
56)  2,2,4-trimethylpentane
      1.420 1.526 1.400 1.144 1.370 1.568 1.361 1.556 1.424        1.419    9.13
57)  tert-amyl methyl ether
      1.208 1.232 1.212 1.216 1.261 1.385 1.246 1.297 1.209        1.252    4.64

58) I   1,4-difluorobenzene   ----------------ISTD---------------------
59)  epichlorohydrin
      0.031 0.032       0.031 0.032       0.031 0.031 0.027        0.031    5.19
60)  n-butyl alcohol
      0.010 0.010       0.010 0.011 0.009 0.010 0.010 0.008        0.010    9.79
61)  carbon tetrachloride
      0.396 0.406 0.449 0.372 0.371 0.434 0.368 0.418 0.380        0.399    7.44
62)  1,1-dichloropropene
      0.399 0.421 0.479 0.375 0.379 0.407 0.380 0.431 0.387        0.406    8.24
63)  hexane
      0.465 0.457       0.344 0.382       0.379 0.458              0.414   12.55
64)  Tert Amyl Alcohol
      0.022 0.021       0.020 0.020       0.019 0.021 0.018        0.020    6.03
65)  benzene
      1.283 1.298 1.490 1.209 1.233 1.398 1.242 1.352 1.286 1.434  1.322    7.04
66)  heptane
      0.256 0.265       0.207 0.232       0.228 0.273 0.256        0.245    9.54
67)  isopropyl acetate
      0.125 0.131       0.133 0.135       0.133 0.140 0.114        0.130    6.58
68)  1,2-dichloroethane
      0.381 0.389 0.308 0.373 0.388 0.379 0.382 0.393 0.362        0.373    7.01
69)  trichloroethene
      0.323 0.329 0.354 0.302 0.304 0.334 0.306 0.335 0.301        0.321    5.87
70)  ethyl acrylate
      0.323 0.366       0.386 0.404       0.398 0.399              0.379    8.06
71)  2-nitropropane
      0.110 0.110       0.103 0.098       0.095 0.101 0.116        0.105    7.18
72)  2-chloroethyl vinyl ether
      0.131 0.137       0.140 0.144       0.141 0.143 0.119        0.136    6.36
73)  methyl methacrylate
      0.212 0.218       0.211 0.221       0.214 0.214 0.188        0.211    5.08
74)  1,2-dichloropropane
      0.339 0.345 0.353 0.319 0.331 0.366 0.333 0.352 0.331        0.341    4.19
75)  methylcyclohexane
      0.521 0.553 0.541 0.483 0.499 0.572 0.497 0.577 0.507        0.528    6.51
76)  Tert-amyl ethyl ether
      0.756 0.781 0.813 0.771 0.797 0.771 0.795 0.852 0.722        0.784    4.68
77)  dibromomethane
      0.200 0.208       0.195 0.203 0.177 0.200 0.204 0.194        0.198    4.72
78)  bromodichloromethane
      0.437 0.439 0.415 0.423 0.444 0.465 0.444 0.456 0.429        0.439    3.55
79)  cis-1,3-dichloropropene
      0.551 0.565 0.527 0.536 0.554 0.584 0.557 0.581 0.542        0.555    3.47
80)  toluene-d8 (s)
      1.187 1.185       1.061 1.082       1.069 1.201 1.309        1.156    7.85
81)  4-methyl-2-pentanone
      0.122 0.127       0.123 0.130       0.124 0.124 0.107        0.122    6.10
82)  toluene
      1.377 1.380 1.815 1.268 1.289 1.530 1.288 1.426 1.425        1.422   11.90
83)  3-methyl-1-butanol
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Initial Calibration Summary

Job Number: JB69926 **Sample:** VY6377-ICC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146740.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

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      0.009 0.009       0.009 0.010       0.009 0.009 0.007        0.009    8.92
 84)  trans-1,3-dichloropropene
      0.498 0.499 0.397 0.487 0.502 0.486 0.499 0.517 0.474        0.484    7.22
 85)  ethyl methacrylate
      0.399 0.403       0.400 0.419 0.392 0.413 0.414 0.362        0.400    4.45
 86)  1,1,2-trichloroethane
      0.253 0.250 0.217 0.244 0.253 0.253 0.252 0.257 0.241        0.247    4.86
 87)  2-hexanone
      0.140 0.140       0.143 0.146       0.135 0.148 0.103        0.136   11.14

 88) I   chlorobenzene-d5      ----------------ISTD--------------------
 89)  tetrachloroethene
      0.434 0.440 0.492 0.410 0.417 0.421 0.402 0.442 0.384        0.427    7.22
 90)  1,3-dichloropropane
      0.535 0.546 0.469 0.515 0.537 0.581 0.534 0.546 0.503        0.530    5.93
 91)  butyl acetate
      0.222 0.236       0.247 0.251       0.241 0.261              0.243    5.46
 92)  dibromochloromethane
      0.415 0.426 0.394 0.405 0.429 0.409 0.429 0.424 0.393        0.414    3.43
 93)  1,2-dibromoethane
      0.355 0.356 0.307 0.335 0.355 0.339 0.353 0.348 0.316        0.341    5.33
 94)  3,3-Dimethyl-1-Butanol
      0.041 0.041       0.040 0.041 0.041 0.040 0.039 0.035        0.040    5.08
 95)  n-butyl ether
                                                                   0.000   -1.00
 96)  chlorobenzene
      1.064 1.067 1.109 0.979 1.010 1.120 1.018 1.078 1.019        1.052    4.56
 97)  1,1,1,2-tetrachloroethane
      0.388 0.384 0.353 0.367 0.382 0.389 0.384 0.395 0.364        0.379    3.63
 98)  ethylbenzene
      1.711 1.756 2.120 1.588 1.621 1.842 1.632 1.764 1.697 1.783  1.751    8.68
 99)  m,p-xylene
      0.677 0.695 0.807 0.623 0.635 0.713 0.637 0.693 0.648 0.759  0.689    8.56
100)  o-xylene
      1.411 1.400 1.572 1.294 1.332 1.453 1.341 1.416 1.329 1.430  1.398    5.75
101)  styrene
      1.105 1.151 1.050 1.093 1.135 1.121 1.146 1.178 1.048 1.018  1.105    4.71
102)  bromoform
      0.297 0.294 0.255 0.284 0.303 0.277 0.303 0.295 0.266        0.286    5.95

103) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
104)  isopropylbenzene
      3.227 3.272 3.967 2.945 2.956 3.399 2.957 3.228 3.059 3.880  3.289   11.21
105)  4-bromofluorobenzene (s)
      0.982 0.987       0.892 0.909 1.242 0.903 0.962 1.137        1.002   12.43
106)  cis-1,4-dichloro-2-butene
                                                                   0.000   -1.00
107)  bromobenzene
      0.923 0.931 0.873 0.879 0.906 0.950 0.914 0.924 0.886        0.910    2.83
108)  cyclohexanone
      0.179 0.172       0.161 0.162       0.138 0.161 0.148        0.160    8.76
109)  1,1,2,2-tetrachloroethane
      0.965 0.946 0.891 0.880 0.916 0.969 0.886 0.896 0.895        0.916    3.83
110)  trans-1,4-dichloro-2-butene
      0.232 0.224       0.217 0.229       0.220 0.223 0.189        0.219    6.48
111)  1,2,3-trichloropropane
      0.208 0.210       0.192 0.201 0.207 0.193 0.190 0.194        0.199    3.92
112)  n-propylbenzene
      3.694 3.753 4.500 3.440 3.428 3.871 3.432 3.750 3.537 3.487  3.689    8.84
113)  4-Ethyltoluene
```

Initial Calibration Summary

Job Number: JB69926 **Sample:** VY6377-ICC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146740.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
       2.949 3.148 3.081 2.953 2.924 3.076 2.913 3.292 2.705        3.005    5.57
114)  2-chlorotoluene
       0.817 0.820 0.874 0.750 0.762 0.813 0.757 0.832 0.802        0.803    5.05
115)  4-chlorotoluene
       2.374 2.426 2.790 2.213 2.229 2.486 2.250 2.417 2.314        2.389    7.46
116)  1,3,5-trimethylbenzene
       2.665 2.721 3.343 2.473 2.470 2.800 2.474 2.705 2.592 2.991  2.723   10.03
117)  tert-butylbenzene
       2.208 2.260 2.740 2.052 2.083 2.381 2.065 2.278 2.108 1.987  2.216    9.96
118)  pentachloroethane
       0.543 0.577       0.509 0.535 0.572 0.558 0.567 0.534        0.549    4.25
119)  1,2,4-trimethylbenzene
       2.678 2.660 3.047 2.488 2.505 2.801 2.490 2.691 2.543 2.988  2.689    7.50
120)  sec-butylbenzene
       3.478 3.542 4.280 3.188 3.194 3.659 3.159 3.562 3.194 3.728  3.498    9.95
121)  1,3-dichlorobenzene
       1.705 1.708 1.756 1.619 1.636 1.711 1.645 1.752 1.660 1.585  1.678    3.41
122)  p-isopropyltoluene
       2.904 2.945 3.263 2.712 2.704 3.104 2.678 2.987 2.773 2.852  2.892    6.56
123)  1,4-dichlorobenzene
       1.727 1.736 1.906 1.641 1.663 1.840 1.665 1.763 1.739        1.742    4.96
124)  1,2-dichlorobenzene
       1.641 1.619 1.659 1.544 1.580 1.690 1.574 1.634 1.567        1.612    3.01
125)  n-butylbenzene
       1.513 1.535 1.729 1.410 1.411 1.489 1.395 1.576 1.404        1.496    7.32
126)  p-Diethylbenzene
       1.649 1.749 1.778 1.658 1.623 1.732 1.617 1.878 1.519        1.689    6.28
127)  1,2-dibromo-3-chloropropane
       0.189 0.179       0.175 0.185       0.173 0.173 0.151        0.175    7.08
128)  1,3,5-Trichlorobenzene
       1.369 1.390 1.475 1.305 1.310 1.421 1.312 1.429 1.331 1.386  1.373    4.23
129)  1,2,4-trichlorobenzene
       1.169 1.195 1.162 1.160 1.159 1.188 1.165 1.217 1.112 0.976  1.151    5.85
130)  1,2,4,5-tetramethylbenzene
       2.471 2.612 2.628 2.578 2.538 2.511 2.510 2.823 2.394 2.719  2.579    4.82
131)  hexachlorobutadiene
       0.690 0.703 0.832 0.645 0.639 0.728 0.626 0.721 0.654        0.693    9.22
132)  naphthalene
       2.433 2.383 2.167 2.389 2.488 2.203 2.381 2.411 2.234        2.343    4.81
133)  1,2,3-trichlorobenzene
       1.078 1.074 1.047 1.065 1.075 1.082 1.047 1.110 1.043        1.069    1.99
134)  hexachloroethane
       0.575 0.574 0.628 0.541 0.550 0.589 0.552 0.566 0.538        0.568    4.95
135)  Benzyl chloride
       1.548 1.657       1.614 1.627 1.714 1.571 1.660 1.485        1.609    4.52
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MYS6377.M         Wed Jun 25 11:36:43 2014   RPT1
```

Initial Calibration Verification

Job Number: JB69926 **Sample:** VY6377-ICV6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146748.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\Y146748.D Vial: 2
Acq On : 25 Jun 2014 10:14 am Operator: prashans
Sample : ICV6377-50 Inst : MSY
Misc : MS69208,VY6377,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 25 11:30:58 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	108	0.00	7.36
2		1,4-dioxane	0.120	0.118	1.7	100	0.00	11.17
3		ETHANOL		----------NA----------				
4		tertiary butyl alcohol	1.324	1.285	2.9	102	0.00	7.47
5	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.52
6		propene		----------NA----------				
7		freon 141b		----------NA----------				
8		freon 142b		----------NA----------				
9		freon 143a		----------NA----------				
10		freon 114		----------NA----------				
11		chlorodifluoromethane	0.325	0.245	24.6	86	0.00	3.97
12		dichlorodifluoromethane	0.380	0.325	14.5	100	0.00	3.95
13		chloromethane	0.535	0.438	18.1	95	0.00	4.27
14		vinyl chloride	0.479	0.409	14.6	98	0.00	4.53
15		1,3-butadiene		----------NA----------				
16		bromomethane	0.343	0.298	13.1	98	0.00	5.18
17		chloroethane	0.221	0.193	12.7	97	0.00	5.36
18		Vinyl Bromide		----------NA----------				
19		trichlorofluoromethane	0.514	0.435	15.4	103	0.00	5.80
20		ethyl ether	0.208	0.198	4.8	107	0.00	6.20
21		2-chloropropane	0.145	0.128	11.7	100	0.00	6.41
22		acrolein	0.079	0.068	13.9	102	-0.01	6.51
23		1,1-dichloroethene	0.529	0.442	16.4	99	0.00	6.63
24		acetone	0.224	0.178	20.5	99	0.00	6.73
25		allyl chloride	0.188	0.167	11.2	100	0.00	7.17
26		acetonitrile	0.030	0.027	10.0	108	0.00	7.21
27		iodomethane	0.668	0.591	11.5	101	0.00	6.93
28		carbon disulfide	1.262	1.020	19.2	99	0.00	7.03
29		1-chloropropane	0.702	0.548	21.9	101	0.00	7.38
30		methylene chloride	0.653	0.514	21.3	100	0.00	7.37
31		methyl acetate	0.054	0.050	7.4	97	0.00	7.17
32		methyl tert butyl ether	1.150	1.015	11.8	101	-0.01	7.66
33		trans-1,2-dichloroethene	0.530	0.456	14.0	101	0.00	7.71
34		di-isopropyl ether	1.375	1.172	14.8	98	0.00	8.23
35		ethyl tert-butyl ether	1.286	1.107	13.9	95	0.00	8.69
36		2-butanone	0.053	0.054	-1.9	109	0.00	9.02
37		1,1-dichloroethane	0.691	0.595	13.9	102	0.00	8.29
38		chloroprene	0.490	0.375	23.5	88	0.00	8.38
39		acrylonitrile	0.127	0.119	6.3	101	0.00	7.74
40		vinyl acetate	0.054	0.059	-9.3	110	-0.01	8.27
41		ethyl acetate	0.057	0.048	15.8	90	0.00	9.01

Initial Calibration Verification

Job Number: JB69926 **Sample:** VY6377-ICV6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146748.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		2,2-dichloropropane	0.539	0.444	17.6	102	0.00	9.02
43		cis-1,2-dichloroethene	0.446	0.379	15.0	102	0.00	9.03
44		propionitrile	0.049	0.048	2.0	102	0.00	9.15
45		bromochloromethane	0.278	0.255	8.3	105	0.00	9.35
46		tetrahydrofuran	0.051	0.046	9.8	102	0.00	9.37
47		chloroform	0.694	0.594	14.4	103	0.00	9.39
48		tert-Butyl Formate	0.260	0.244	6.2	102	0.00	9.41
49		isobutyl alcohol	0.014	0.013	7.1	105	0.00	9.84
50	S	dibromofluoromethane (s)	0.390	0.328	15.9	103	0.00	9.60
51	S	1,2-dichloroethane-d4 (s)	0.413	0.347	16.0	96	0.00	10.02
52		freon 113	0.253	0.218	13.8	100	0.00	6.57
53		methacrylonitrile	0.148	0.138	6.8	106	0.00	9.30
54		1,1,1-trichloroethane	0.539	0.456	15.4	101	0.00	9.62
55		Cyclohexane	0.551	0.443	19.6	99	0.00	9.67
56		2,2,4-trimethylpentane	1.419	0.933	34.2#	89	0.00	10.01
57		tert-amyl methyl ether	1.252	1.104	11.8	99	0.00	10.07
58	I	1,4-difluorobenzene	1.000	1.000	0.0	111	0.00	10.43
59		epichlorohydrin	0.031	0.028	9.7	100	0.00	11.72
60		n-butyl alcohol	0.010	0.010	0.0	103	0.00	10.59
61		carbon tetrachloride	0.399	0.333	16.5	99	0.00	9.81
62		1,1-dichloropropene	0.406	0.336	17.2	99	0.00	9.79
63		hexane	0.414	0.319	22.9	103	0.00	7.97
64		Tert Amyl Alcohol	0.020	0.018	10.0	101	0.00	9.96
65		benzene	1.322	1.104	16.5	101	0.00	10.06
66		heptane	0.245	0.173	29.4	93	0.00	10.18
67		isopropyl acetate	0.130	0.119	8.5	99	0.00	9.98
68		1,2-dichloroethane	0.373	0.350	6.2	104	0.00	10.10
69		trichloroethene	0.321	0.274	14.6	101	0.00	10.77
70		ethyl acrylate	0.379	0.352	7.1	101	0.00	10.78
71		2-nitropropane	0.105	0.090	14.3	97	0.00	11.58
72		2-chloroethyl vinyl ether	0.136	0.120	11.8	95	0.00	11.57
73		methyl methacrylate	0.211	0.197	6.6	104	0.00	11.04
74		1,2-dichloropropane	0.341	0.299	12.3	104	0.00	11.05
75		methylcyclohexane	0.528	0.384	27.3	88	0.00	10.95
76		Tert-amyl ethyl ether	0.784	0.726	7.4	105	0.00	10.89
77		dibromomethane	0.198	0.185	6.6	105	0.00	11.22
78		bromodichloromethane	0.439	0.399	9.1	104	0.00	11.34
79		cis-1,3-dichloropropene	0.555	0.504	9.2	104	0.00	11.79
80	S	toluene-d8 (s)	1.156	0.967	16.3	101	0.00	12.05
81		4-methyl-2-pentanone	0.122	0.115	5.7	103	0.00	11.88
82		toluene	1.422	1.160	18.4	102	0.00	12.12
83		3-methyl-1-butanol	0.009	0.009	0.0	101	0.00	11.91
84		trans-1,3-dichloropropene	0.484	0.456	5.8	104	0.00	12.35
85		ethyl methacrylate	0.400	0.379	5.3	105	0.00	12.31
86		1,1,2-trichloroethane	0.247	0.229	7.3	104	0.00	12.56
87		2-hexanone	0.136	0.127	6.6	98	0.00	12.72
88	I	chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.56
89		tetrachloroethene	0.427	0.373	12.6	98	0.00	12.69
90		1,3-dichloropropane	0.530	0.494	6.8	103	0.00	12.74
91		butyl acetate	0.243	0.219	9.9	95	0.00	12.78
92		dibromochloromethane	0.414	0.395	4.6	105	0.00	13.00
93		1,2-dibromoethane	0.341	0.325	4.7	104	0.00	13.15
94		3,3-Dimethyl-1-Butanol	0.040	0.037	7.5	98	0.00	12.89
95		n-butyl ether		----------NA----------				
96		chlorobenzene	1.052	0.930	11.6	102	0.00	13.58
97		1,1,1,2-tetrachloroethane	0.379	0.354	6.6	104	0.00	13.65
98		ethylbenzene	1.751	1.484	15.2	101	0.00	13.62
99		m,p-xylene	0.689	0.586	14.9	101	0.00	13.73

Initial Calibration Verification

Job Number: JB69926 **Sample:** VY6377-ICV6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146748.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

100		o-xylene	1.398	1.220	12.7	101	0.00	14.14
101		styrene	1.105	1.033	6.5	102	0.00	14.16
102		bromoform	0.286	0.278	2.8	105	0.00	14.45
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	15.84
104		isopropylbenzene	3.289	2.801	14.8	101	0.00	14.47
105	S	4-bromofluorobenzene (s)	1.002	0.854	14.8	102	0.00	14.70
106		cis-1,4-dichloro-2-butene		----------NA----------				
107		bromobenzene	0.910	0.855	6.0	103	0.00	14.89
108		cyclohexanone	0.160	0.156	2.5	103	0.00	14.68
109		1,1,2,2-tetrachloroethane	0.916	0.860	6.1	104	0.00	14.82
110		trans-1,4-dichloro-2-bute	0.219	0.212	3.2	104	0.00	14.86
111		1,2,3-trichloropropane	0.199	0.189	5.0	104	0.00	14.89
112		n-propylbenzene	3.689	3.236	12.3	100	0.00	14.88
113		4-Ethyltoluene	3.005	2.694	10.3	97	0.00	14.98
114		2-chlorotoluene	0.803	0.724	9.8	102	0.00	15.04
115		4-chlorotoluene	2.389	2.126	11.0	102	0.00	15.14
116		1,3,5-trimethylbenzene	2.723	2.420	11.1	104	0.00	15.03
117		tert-butylbenzene	2.216	1.957	11.7	101	0.00	15.37
118		pentachloroethane	0.549	0.522	4.9	109	0.00	15.47
119		1,2,4-trimethylbenzene	2.689	2.394	11.0	102	0.00	15.42
120		sec-butylbenzene	3.498	3.042	13.0	101	0.00	15.58
121		1,3-dichlorobenzene	1.678	1.568	6.6	103	0.00	15.78
122		p-isopropyltoluene	2.892	2.583	10.7	101	0.00	15.70
123		1,4-dichlorobenzene	1.742	1.602	8.0	104	0.00	15.87
124		1,2-dichlorobenzene	1.612	1.513	6.1	104	0.00	16.26
125		n-butylbenzene	1.496	1.345	10.1	101	0.00	16.11
126		p-Diethylbenzene	1.689	1.553	8.1	99	0.00	16.08
127		1,2-dibromo-3-chloropropa	0.175	0.170	2.9	103	0.00	17.05
128		1,3,5-Trichlorobenzene	1.373	1.274	7.2	104	0.00	17.20
129		1,2,4-trichlorobenzene	1.151	1.126	2.2	103	0.00	17.84
130		1,2,4,5-tetramethylbenzen	2.579	2.421	6.1	100	0.00	16.86
131		hexachlorobutadiene	0.693	0.613	11.5	101	0.00	17.93
132		naphthalene	2.343	2.351	-0.3	104	0.00	18.12
133		1,2,3-trichlorobenzene	1.069	1.036	3.1	103	0.00	18.37
134		hexachloroethane	0.568	0.514	9.5	101	0.00	16.50
135		Benzyl chloride	1.609	1.564	2.8	103	0.00	15.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y146740.D MYS6377.M Wed Jun 25 11:40:23 2014 RPT1

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6378-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146752.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\Y146752.D Vial: 2
Acq On : 25 Jun 2014 1:48 pm Operator: prashans
Sample : CC6377-20 Inst : MSY
Misc : MS69208,VY6378,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 25 11:30:58 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 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	125	0.00	7.35
2		1,4-dioxane	0.120	0.119	0.8	129	0.00	11.17
3		ETHANOL		----------NA----------				
4		tertiary butyl alcohol	1.324	1.355	-2.3	130	0.00	7.47
5	I	pentafluorobenzene	1.000	1.000	0.0	120	0.00	9.52
6		propene		----------NA----------				
7		freon 141b		----------NA----------				
8		freon 142b		----------NA----------				
9		freon 143a		----------NA----------				
10		freon 114		----------NA----------				
11		chlorodifluoromethane	0.325	0.289	11.1	93	0.00	3.97
12		dichlorodifluoromethane	0.380	0.366	3.7	103	0.00	3.95
13		chloromethane	0.535	0.479	10.5	102	0.00	4.27
14		vinyl chloride	0.479	0.449	6.3	104	0.00	4.52
15		1,3-butadiene		----------NA----------				
16		bromomethane	0.343	0.329	4.1	107	0.00	5.19
17		chloroethane	0.221	0.214	3.2	107	0.00	5.37
18		Vinyl Bromide		----------NA----------				
19		trichlorofluoromethane	0.514	0.484	5.8	106	0.00	5.81
20		ethyl ether	0.208	0.195	6.2	109	0.01	6.21
21		2-chloropropane	0.145	0.138	4.8	102	0.00	6.41
22		acrolein	0.079	0.073	7.6	116	0.00	6.52
23		1,1-dichloroethene	0.529	0.482	8.9	104	0.00	6.63
24		acetone	0.224	0.183	18.3	93	0.01	6.75
25		allyl chloride	0.188	0.178	5.3	119	0.00	7.17
26		acetonitrile	0.030	0.026	13.3	113	0.01	7.23
27		iodomethane	0.668	0.623	6.7	104	0.00	6.93
28		carbon disulfide	1.262	1.118	11.4	103	0.00	7.04
29		1-chloropropane	0.702	0.638	9.1	104	0.00	7.38
30		methylene chloride	0.653	0.585	10.4	106	0.00	7.38
31		methyl acetate	0.054	0.053	1.9	117	0.00	7.17
32		methyl tert butyl ether	1.150	1.092	5.0	111	-0.01	7.66
33		trans-1,2-dichloroethene	0.530	0.479	9.6	102	0.00	7.72
34		di-isopropyl ether	1.375	1.227	10.8	103	0.00	8.23
35		ethyl tert-butyl ether	1.286	1.195	7.1	105	0.00	8.70
36		2-butanone	0.053	0.047	11.3	100	0.00	9.02
37		1,1-dichloroethane	0.691	0.621	10.1	104	0.00	8.29
38		chloroprene	0.490	0.450	8.2	101	0.00	8.38
39		acrylonitrile	0.127	0.125	1.6	112	0.00	7.75
40		vinyl acetate	0.054	0.054	0.0	113	0.00	8.29
41		ethyl acetate	0.057	0.058	-1.8	113	0.00	9.02

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6378-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146752.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		2,2-dichloropropane	0.539	0.473	12.2	100	0.00	9.02
43		cis-1,2-dichloroethene	0.446	0.393	11.9	103	0.00	9.03
44		propionitrile	0.049	0.052	-6.1	119	0.00	9.15
45		bromochloromethane	0.278	0.257	7.6	108	0.00	9.35
46		tetrahydrofuran	0.051	0.050	2.0	124	0.00	9.37
47		chloroform	0.694	0.611	12.0	104	0.00	9.40
48		tert-Butyl Formate	0.260	0.255	1.9	112	0.00	9.41
49		isobutyl alcohol	0.014	0.014	0.0	130	0.00	9.85
50	S	dibromofluoromethane (s)	0.390	0.371	4.9	112	0.00	9.60
51	S	1,2-dichloroethane-d4 (s)	0.413	0.368	10.9	105	0.00	10.02
52		freon 113	0.253	0.240	5.1	101	0.00	6.58
53		methacrylonitrile	0.148	0.141	4.7	116	0.00	9.31
54		1,1,1-trichloroethane	0.539	0.491	8.9	102	0.00	9.62
55		Cyclohexane	0.551	0.486	11.8	100	0.00	9.67
56		2,2,4-trimethylpentane	1.419	1.294	8.8	100	0.00	10.01
57		tert-amyl methyl ether	1.252	1.171	6.5	108	0.00	10.07
58	I	1,4-difluorobenzene	1.000	1.000	0.0	116	0.00	10.44
59		epichlorohydrin	0.031	0.033	-6.5	122	0.00	11.72
60		n-butyl alcohol	0.010	0.011	-10.0	132	0.00	10.60
61		carbon tetrachloride	0.399	0.375	6.0	104	0.00	9.81
62		1,1-dichloropropene	0.406	0.378	6.9	102	0.00	9.80
63		hexane	0.414	0.367	11.4	93	0.00	7.97
64		Tert Amyl Alcohol	0.020	0.022	-10.0	122	0.00	9.96
65		benzene	1.322	1.181	10.7	101	0.00	10.06
66		heptane	0.245	0.222	9.4	94	0.00	10.18
67		isopropyl acetate	0.130	0.134	-3.1	111	0.00	9.98
68		1,2-dichloroethane	0.373	0.363	2.7	107	0.00	10.11
69		trichloroethene	0.321	0.295	8.1	102	0.00	10.77
70		ethyl acrylate	0.379	0.369	2.6	107	0.00	10.78
71		2-nitropropane	0.105	0.099	5.7	113	0.00	11.58
72		2-chloroethyl vinyl ether	0.136	0.129	5.1	105	0.00	11.57
73		methyl methacrylate	0.211	0.215	-1.9	117	0.00	11.05
74		1,2-dichloropropane	0.341	0.314	7.9	103	0.00	11.06
75		methylcyclohexane	0.528	0.489	7.4	98	0.00	10.96
76		Tert-amyl ethyl ether	0.784	0.735	6.3	100	0.00	10.90
77		dibromomethane	0.198	0.191	3.5	109	0.00	11.22
78		bromodichloromethane	0.439	0.412	6.2	105	0.00	11.34
79		cis-1,3-dichloropropene	0.555	0.518	6.7	103	0.00	11.79
80	S	toluene-d8 (s)	1.156	1.196	-3.5	115	0.00	12.06
81		4-methyl-2-pentanone	0.122	0.129	-5.7	121	0.00	11.88
82		toluene	1.422	1.244	12.5	101	0.00	12.13
83		3-methyl-1-butanol	0.009	0.010	-11.1	126	0.00	11.91
84		trans-1,3-dichloropropene	0.484	0.470	2.9	105	0.00	12.35
85		ethyl methacrylate	0.400	0.397	0.8	111	0.00	12.32
86		1,1,2-trichloroethane	0.247	0.236	4.5	107	0.00	12.57
87		2-hexanone	0.136	0.131	3.7	103	0.00	12.72
88	I	chlorobenzene-d5	1.000	1.000	0.0	113	0.00	13.56
89		tetrachloroethene	0.427	0.395	7.5	101	0.00	12.69
90		1,3-dichloropropane	0.530	0.518	2.3	107	0.00	12.74
91		butyl acetate	0.243	0.236	2.9	102	0.00	12.78
92		dibromochloromethane	0.414	0.402	2.9	107	0.00	13.00
93		1,2-dibromoethane	0.341	0.345	-1.2	112	0.00	13.15
94		3,3-Dimethyl-1-Butanol	0.040	0.043	-7.5	125	0.00	12.89
95		n-butyl ether		----------NA----------				
96		chlorobenzene	1.052	0.974	7.4	102	0.00	13.59
97		1,1,1,2-tetrachloroethane	0.379	0.367	3.2	105	0.00	13.65
98		ethylbenzene	1.751	1.595	8.9	102	0.00	13.62
99		m,p-xylene	0.689	0.622	9.7	101	0.00	13.73

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6378-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146752.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

100		o-xylene	1.398	1.300	7.0	104	0.00	14.14
101		styrene	1.105	1.076	2.6	103	0.00	14.16
102		bromoform	0.286	0.289	-1.0	111	0.00	14.45
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	112	0.00	15.85
104		isopropylbenzene	3.289	2.921	11.2	102	0.00	14.48
105	S	4-bromofluorobenzene (s)	1.002	0.927	7.5	108	0.00	14.70
106		cis-1,4-dichloro-2-butene	0.000	0.026	0.0	0#	0.00	14.47
107		bromobenzene	0.910	0.862	5.3	105	0.00	14.89
108		cyclohexanone	0.160	0.152	5.0	106	0.00	14.69
109		1,1,2,2-tetrachloroethane	0.916	0.909	0.8	114	0.00	14.82
110		trans-1,4-dichloro-2-bute	0.219	0.218	0.5	110	0.00	14.86
111		1,2,3-trichloropropane	0.199	0.201	-1.0	119	0.00	14.89
112		n-propylbenzene	3.689	3.379	8.4	101	0.00	14.88
113		4-Ethyltoluene	3.005	2.855	5.0	98	0.00	14.98
114		2-chlorotoluene	0.803	0.754	6.1	102	0.00	15.04
115		4-chlorotoluene	2.389	2.183	8.6	102	0.00	15.14
116		1,3,5-trimethylbenzene	2.723	2.445	10.2	102	0.00	15.03
117		tert-butylbenzene	2.216	2.056	7.2	101	0.00	15.37
118		pentachloroethane	0.549	0.540	1.6	107	0.00	15.47
119		1,2,4-trimethylbenzene	2.689	2.475	8.0	103	0.00	15.42
120		sec-butylbenzene	3.498	3.182	9.0	100	0.00	15.58
121		1,3-dichlorobenzene	1.678	1.606	4.3	103	0.00	15.79
122		p-isopropyltoluene	2.892	2.692	6.9	101	0.00	15.70
123		1,4-dichlorobenzene	1.742	1.628	6.5	104	0.00	15.87
124		1,2-dichlorobenzene	1.612	1.539	4.5	106	0.00	16.27
125		n-butylbenzene	1.496	1.398	6.6	100	0.00	16.11
126		p-Diethylbenzene	1.689	1.588	6.0	95	0.00	16.08
127		1,2-dibromo-3-chloropropa	0.175	0.185	-5.7	121	0.00	17.05
128		1,3,5-Trichlorobenzene	1.373	1.315	4.2	103	0.00	17.20
129		1,2,4-trichlorobenzene	1.151	1.170	-1.7	108	0.00	17.84
130		1,2,4,5-tetramethylbenzen	2.579	2.463	4.5	98	0.00	16.86
131		hexachlorobutadiene	0.693	0.637	8.1	99	0.00	17.93
132		naphthalene	2.343	2.479	-5.8	116	0.00	18.12
133		1,2,3-trichlorobenzene	1.069	1.061	0.7	108	0.00	18.37
134		hexachloroethane	0.568	0.524	7.7	104	0.00	16.50
135		Benzyl chloride	1.609	1.608	0.1	109	0.00	15.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y146739.D MYS6377.M Thu Jun 26 11:27:12 2014 RPT1

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6380-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146794.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\Y146794.D Vial: 2
Acq On : 26 Jun 2014 10:05 am Operator: prashans
Sample : CC6377-20 Inst : MSY
Misc : MS69579,VY6380,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 25 11:30:58 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 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	101	-0.01	7.35
2		1,4-dioxane	0.120	0.116	3.3	102	0.00	11.18
3		ETHANOL		----------NA----------				
4		tertiary butyl alcohol	1.324	1.313	0.8	101	0.00	7.47
5	I	pentafluorobenzene	1.000	1.000	0.0	111	0.00	9.52
6		propene		----------NA----------				
7		freon 141b		----------NA----------				
8		freon 142b		----------NA----------				
9		freon 143a		----------NA----------				
10		freon 114		----------NA----------				
11		chlorodifluoromethane	0.325	0.360	-10.8	107	0.00	3.97
12		dichlorodifluoromethane	0.380	0.394	-3.7	103	0.00	3.95
13		chloromethane	0.535	0.524	2.1	103	-0.01	4.27
14		vinyl chloride	0.479	0.476	0.6	102	-0.01	4.52
15		1,3-butadiene		----------NA----------				
16		bromomethane	0.343	0.359	-4.7	108	0.00	5.19
17		chloroethane	0.221	0.228	-3.2	105	0.00	5.36
18		Vinyl Bromide		----------NA----------				
19		trichlorofluoromethane	0.514	0.514	0.0	104	0.00	5.81
20		ethyl ether	0.208	0.208	0.0	107	0.00	6.20
21		2-chloropropane	0.145	0.149	-2.8	102	0.00	6.41
22		acrolein	0.079	0.076	3.8	112	0.00	6.52
23		1,1-dichloroethene	0.529	0.512	3.2	102	0.00	6.64
24		acetone	0.224	0.198	11.6	93	0.00	6.74
25		allyl chloride	0.188	0.196	-4.3	120	0.00	7.17
26		acetonitrile	0.030	0.027	10.0	109	0.00	7.22
27		iodomethane	0.668	0.675	-1.0	104	0.00	6.93
28		carbon disulfide	1.262	1.188	5.9	101	0.00	7.03
29		1-chloropropane	0.702	0.670	4.6	101	0.00	7.38
30		methylene chloride	0.653	0.615	5.8	103	0.00	7.37
31		methyl acetate	0.054	0.052	3.7	106	0.00	7.17
32		methyl tert butyl ether	1.150	1.123	2.3	106	0.00	7.66
33		trans-1,2-dichloroethene	0.530	0.535	-0.9	106	0.00	7.72
34		di-isopropyl ether	1.375	1.309	4.8	102	0.00	8.23
35		ethyl tert-butyl ether	1.286	1.264	1.7	103	0.00	8.69
36		2-butanone	0.053	0.049	7.5	97	0.00	9.02
37		1,1-dichloroethane	0.691	0.696	-0.7	107	0.00	8.29
38		chloroprene	0.490	0.494	-0.8	103	0.00	8.38
39		acrylonitrile	0.127	0.125	1.6	104	0.00	7.75
40		vinyl acetate	0.054	0.056	-3.7	108	0.00	8.29
41		ethyl acetate	0.057	0.051	10.5	93	0.00	9.01

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6380-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146794.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		2,2-dichloropropane	0.539	0.527	2.2	104	0.00	9.02
43		cis-1,2-dichloroethene	0.446	0.438	1.8	106	0.00	9.03
44		propionitrile	0.049	0.049	0.0	103	0.00	9.15
45		bromochloromethane	0.278	0.288	-3.6	112	0.00	9.35
46		tetrahydrofuran	0.051	0.046	9.8	107	0.00	9.37
47		chloroform	0.694	0.692	0.3	109	0.00	9.39
48		tert-Butyl Formate	0.260	0.261	-0.4	106	0.00	9.41
49		isobutyl alcohol	0.014	0.012	14.3	104	0.00	9.85
50	S	dibromofluoromethane (s)	0.390	0.394	-1.0	110	0.00	9.60
51	S	1,2-dichloroethane-d4 (s)	0.413	0.395	4.4	104	0.00	10.02
52		freon 113	0.253	0.267	-5.5	105	0.00	6.58
53		methacrylonitrile	0.148	0.138	6.8	105	0.00	9.31
54		1,1,1-trichloroethane	0.539	0.533	1.1	102	0.00	9.62
55		Cyclohexane	0.551	0.535	2.9	102	0.00	9.67
56		2,2,4-trimethylpentane	1.419	1.384	2.5	98	-0.01	10.01
57		tert-amyl methyl ether	1.252	1.216	2.9	104	0.00	10.07
58	I	1,4-difluorobenzene	1.000	1.000	0.0	110	0.00	10.43
59		epichlorohydrin	0.031	0.029	6.5	103	0.00	11.72
60		n-butyl alcohol	0.010	0.009	10.0	102	0.00	10.60
61		carbon tetrachloride	0.399	0.395	1.0	104	0.00	9.81
62		1,1-dichloropropene	0.406	0.402	1.0	103	0.00	9.79
63		hexane	0.414	0.384	7.2	93	0.00	7.96
64		Tert Amyl Alcohol		----------NA----------				
65		benzene	1.322	1.309	1.0	107	0.00	10.06
66		heptane	0.245	0.240	2.0	97	0.00	10.18
67		isopropyl acetate	0.130	0.132	-1.5	104	0.00	9.98
68		1,2-dichloroethane	0.373	0.386	-3.5	108	0.00	10.11
69		trichloroethene	0.321	0.322	-0.3	106	0.00	10.77
70		ethyl acrylate		----------NA----------				
71		2-nitropropane	0.105	0.099	5.7	108	0.00	11.58
72		2-chloroethyl vinyl ether	0.136	0.155	-14.0	120	0.00	11.57
73		methyl methacrylate	0.211	0.204	3.3	105	0.00	11.05
74		1,2-dichloropropane	0.341	0.340	0.3	106	0.00	11.05
75		methylcyclohexane	0.528	0.512	3.0	98	0.00	10.95
76		Tert-amyl ethyl ether		----------NA----------				
77		dibromomethane	0.198	0.200	-1.0	108	0.00	11.22
78		bromodichloromethane	0.439	0.444	-1.1	107	0.00	11.34
79		cis-1,3-dichloropropene	0.555	0.554	0.2	105	0.00	11.79
80	S	toluene-d8 (s)	1.156	1.227	-6.1	113	0.00	12.05
81		4-methyl-2-pentanone	0.122	0.117	4.1	104	0.00	11.88
82		toluene	1.422	1.366	3.9	106	0.00	12.12
83		3-methyl-1-butanol	0.009	0.008	11.1	96	0.00	11.91
84		trans-1,3-dichloropropene	0.484	0.492	-1.7	105	0.00	12.35
85		ethyl methacrylate	0.400	0.393	1.8	105	0.00	12.32
86		1,1,2-trichloroethane	0.247	0.247	0.0	106	0.00	12.56
87		2-hexanone	0.136	0.131	3.7	98	0.00	12.72
88	I	chlorobenzene-d5	1.000	1.000	0.0	109	0.00	13.56
89		tetrachloroethene	0.427	0.422	1.2	104	0.00	12.69
90		1,3-dichloropropane	0.530	0.520	1.9	104	0.00	12.74
91		butyl acetate	0.243	0.236	2.9	99	0.00	12.78
92		dibromochloromethane	0.414	0.416	-0.5	107	0.00	13.00
93		1,2-dibromoethane	0.341	0.348	-2.1	109	0.00	13.15
94		3,3-Dimethyl-1-Butanol	0.040	0.035	12.5	98	0.00	12.89
95		n-butyl ether		----------NA----------				
96		chlorobenzene	1.052	1.053	-0.1	107	0.00	13.58
97		1,1,1,2-tetrachloroethane	0.379	0.387	-2.1	107	0.00	13.65
98		ethylbenzene	1.751	1.705	2.6	106	0.00	13.62
99		m,p-xylene	0.689	0.669	2.9	106	0.00	13.73

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6380-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146794.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

100		o-xylene	1.398	1.376	1.6	106	0.00	14.14
101		styrene	1.105	1.140	-3.2	106	0.00	14.16
102		bromoform	0.286	0.286	0.0	106	0.00	14.45
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	15.84
104		isopropylbenzene	3.289	3.135	4.7	104	0.00	14.47
105	S	4-bromofluorobenzene (s)	1.002	0.953	4.9	106	0.00	14.70
106		cis-1,4-dichloro-2-butene		----------NA----------				
107		bromobenzene	0.910	0.929	-2.1	108	0.00	14.89
108		cyclohexanone	0.160	0.147	8.1	98	0.00	14.69
109		1,1,2,2-tetrachloroethane	0.916	0.887	3.2	106	0.00	14.82
110		trans-1,4-dichloro-2-bute	0.219	0.210	4.1	101	0.00	14.85
111		1,2,3-trichloropropane	0.199	0.195	2.0	110	0.00	14.89
112		n-propylbenzene	3.689	3.615	2.0	104	0.00	14.88
113		4-Ethyltoluene	3.005	2.656	11.6	87	0.05	15.03
114		2-chlorotoluene	0.803	0.804	-0.1	104	0.00	15.04
115		4-chlorotoluene	2.389	2.342	2.0	104	0.00	15.14
116		1,3,5-trimethylbenzene	2.723	2.656	2.5	106	0.00	15.03
117		tert-butylbenzene	2.216	2.167	2.2	102	0.00	15.37
118		pentachloroethane	0.549	0.580	-5.6	110	0.00	15.47
119		1,2,4-trimethylbenzene	2.689	2.623	2.5	105	0.00	15.42
120		sec-butylbenzene	3.498	3.436	1.8	104	0.00	15.58
121		1,3-dichlorobenzene	1.678	1.722	-2.6	106	0.00	15.78
122		p-isopropyltoluene	2.892	2.889	0.1	104	0.00	15.70
123		1,4-dichlorobenzene	1.742	1.749	-0.4	107	0.00	15.87
124		1,2-dichlorobenzene	1.612	1.630	-1.1	107	0.00	16.26
125		n-butylbenzene	1.496	1.450	3.1	99	0.00	16.11
126		p-Diethylbenzene		----------NA----------				
127		1,2-dibromo-3-chloropropa	0.175	0.171	2.3	106	0.00	17.05
128		1,3,5-Trichlorobenzene	1.373	1.407	-2.5	106	0.00	17.20
129		1,2,4-trichlorobenzene	1.151	1.215	-5.6	107	0.00	17.84
130		1,2,4,5-tetramethylbenzen		----------NA----------				
131		hexachlorobutadiene	0.693	0.699	-0.9	104	0.00	17.93
132		naphthalene	2.343	2.404	-2.6	107	0.00	18.12
133		1,2,3-trichlorobenzene	1.069	1.114	-4.2	108	0.00	18.37
134		hexachloroethane	0.568	0.564	0.7	107	0.00	16.50
135		Benzyl chloride	1.609	1.583	1.6	102	0.00	15.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y146739.D MYS6377.M Fri Jun 27 17:15:28 2014 RPT1

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6381-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146826.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\Y146826.D Vial: 2
Acq On : 27 Jun 2014 9:17 am Operator: prashans
Sample : CC6377-20 Inst : MSY
Misc : MS69577,VY6381,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 25 11:30:58 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 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	106	0.00	7.35
2		1,4-dioxane	0.120	0.110	8.3	101	0.01	11.18
3		ETHANOL		----------NA----------				
4		tertiary butyl alcohol	1.324	1.316	0.6	107	0.00	7.47
5	I	pentafluorobenzene	1.000	1.000	0.0	113	0.00	9.52
6		propene		----------NA----------				
7		freon 141b		----------NA----------				
8		freon 142b		----------NA----------				
9		freon 143a		----------NA----------				
10		freon 114		----------NA----------				
11		chlorodifluoromethane	0.325	0.295	9.2	89	0.00	3.97
12		dichlorodifluoromethane	0.380	0.364	4.2	97	0.00	3.95
13		chloromethane	0.535	0.507	5.2	102	0.00	4.27
14		vinyl chloride	0.479	0.463	3.3	101	0.00	4.52
15		1,3-butadiene		----------NA----------				
16		bromomethane	0.343	0.344	-0.3	105	0.00	5.19
17		chloroethane	0.221	0.218	1.4	103	0.00	5.37
18		Vinyl Bromide		----------NA----------				
19		trichlorofluoromethane	0.514	0.487	5.3	100	0.00	5.81
20		ethyl ether	0.208	0.217	-4.3	114	0.00	6.20
21		2-chloropropane	0.145	0.138	4.8	96	0.00	6.42
22		acrolein	0.079	0.076	3.8	114	0.00	6.52
23		1,1-dichloroethene	0.529	0.490	7.4	100	0.00	6.64
24		acetone	0.224	0.110	50.9#	53	0.00	6.74
25		allyl chloride	0.188	0.173	8.0	109	0.00	7.18
26		acetonitrile	0.030	0.030	0.0	126	0.00	7.21
27		iodomethane	0.668	0.645	3.4	102	0.00	6.93
28		carbon disulfide	1.262	1.145	9.3	100	0.00	7.04
29		1-chloropropane	0.702	0.670	4.6	102	0.00	7.38
30		methylene chloride	0.653	0.555	15.0	95	0.00	7.38
31		methyl acetate	0.054	0.053	1.9	109	0.01	7.18
32		methyl tert butyl ether	1.150	1.112	3.3	107	-0.01	7.66
33		trans-1,2-dichloroethene	0.530	0.510	3.8	103	0.00	7.72
34		di-isopropyl ether	1.375	1.315	4.4	105	0.00	8.23
35		ethyl tert-butyl ether	1.286	1.269	1.3	106	0.00	8.69
36		2-butanone	0.053	0.038	28.3#	77	0.01	9.03
37		1,1-dichloroethane	0.691	0.666	3.6	105	0.00	8.30
38		chloroprene	0.490	0.476	2.9	101	0.00	8.38
39		acrylonitrile	0.127	0.125	1.6	106	0.00	7.75
40		vinyl acetate	0.054	0.055	-1.9	109	0.00	8.28
41		ethyl acetate	0.057	0.049	14.0	91	0.00	9.01

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6381-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146826.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		2,2-dichloropropane	0.539	0.498	7.6	100	-0.01	9.01
43		cis-1,2-dichloroethene	0.446	0.417	6.5	103	0.00	9.03
44		propionitrile	0.049	0.050	-2.0	108	0.00	9.15
45		bromochloromethane	0.278	0.272	2.2	108	0.00	9.35
46		tetrahydrofuran	0.051	0.047	7.8	111	0.00	9.38
47		chloroform	0.694	0.658	5.2	105	0.00	9.39
48		tert-Butyl Formate	0.260	0.260	0.0	108	0.00	9.41
49		isobutyl alcohol	0.014	0.012	14.3	107	0.00	9.85
50	S	dibromofluoromethane (s)	0.390	0.399	-2.3	113	0.00	9.60
51	S	1,2-dichloroethane-d4 (s)	0.413	0.405	1.9	109	0.00	10.02
52		freon 113	0.253	0.242	4.3	96	0.00	6.57
53		methacrylonitrile	0.148	0.142	4.1	110	0.00	9.31
54		1,1,1-trichloroethane	0.539	0.507	5.9	99	0.00	9.62
55		Cyclohexane	0.551	0.500	9.3	97	0.00	9.67
56		2,2,4-trimethylpentane	1.419	1.344	5.3	98	0.00	10.01
57		tert-amyl methyl ether	1.252	1.222	2.4	106	0.00	10.07
58	I	1,4-difluorobenzene	1.000	1.000	0.0	112	0.00	10.44
59		epichlorohydrin	0.031	0.030	3.2	108	0.00	11.72
60		n-butyl alcohol	0.010	0.009	10.0	107	0.00	10.60
61		carbon tetrachloride	0.399	0.375	6.0	100	0.00	9.81
62		1,1-dichloropropene	0.406	0.383	5.7	99	0.00	9.80
63		hexane	0.414	0.375	9.4	91	0.00	7.97
64		Tert Amyl Alcohol		----------NA----------				
65		benzene	1.322	1.242	6.1	102	0.00	10.06
66		heptane	0.245	0.232	5.3	95	0.00	10.18
67		isopropyl acetate	0.130	0.133	-2.3	106	0.00	9.99
68		1,2-dichloroethane	0.373	0.385	-3.2	109	0.00	10.11
69		trichloroethene	0.321	0.305	5.0	102	0.00	10.77
70		ethyl acrylate		----------NA----------				
71		2-nitropropane	0.105	0.096	8.6	106	0.00	11.58
72		2-chloroethyl vinyl ether	0.136	0.138	-1.5	108	0.00	11.57
73		methyl methacrylate	0.211	0.200	5.2	104	0.00	11.05
74		1,2-dichloropropane	0.341	0.332	2.6	105	0.00	11.06
75		methylcyclohexane	0.528	0.500	5.3	97	0.00	10.96
76		Tert-amyl ethyl ether		----------NA----------				
77		dibromomethane	0.198	0.200	-1.0	109	0.00	11.22
78		bromodichloromethane	0.439	0.433	1.4	106	0.00	11.34
79		cis-1,3-dichloropropene	0.555	0.538	3.1	103	0.00	11.79
80	S	toluene-d8 (s)	1.156	1.223	-5.8	114	0.00	12.06
81		4-methyl-2-pentanone	0.122	0.119	2.5	108	0.00	11.88
82		toluene	1.422	1.277	10.2	100	0.00	12.13
83		3-methyl-1-butanol	0.009	0.008	11.1	102	0.00	11.91
84		trans-1,3-dichloropropene	0.484	0.482	0.4	104	0.00	12.35
85		ethyl methacrylate	0.400	0.374	6.5	101	0.00	12.32
86		1,1,2-trichloroethane	0.247	0.244	1.2	106	0.00	12.56
87		2-hexanone	0.136	0.117	14.0	88	0.00	12.72
88	I	chlorobenzene-d5	1.000	1.000	0.0	110	0.00	13.56
89		tetrachloroethene	0.427	0.388	9.1	97	0.00	12.69
90		1,3-dichloropropane	0.530	0.527	0.6	106	0.00	12.74
91		butyl acetate	0.243	0.238	2.1	100	0.00	12.78
92		dibromochloromethane	0.414	0.411	0.7	107	0.00	13.00
93		1,2-dibromoethane	0.341	0.337	1.2	106	0.00	13.15
94		3,3-Dimethyl-1-Butanol	0.040	0.036	10.0	102	0.00	12.89
95		n-butyl ether		----------NA----------				
96		chlorobenzene	1.052	1.007	4.3	103	0.00	13.59
97		1,1,1,2-tetrachloroethane	0.379	0.371	2.1	103	0.00	13.65
98		ethylbenzene	1.751	1.619	7.5	101	0.00	13.62
99		m,p-xylene	0.689	0.633	8.1	100	0.00	13.73

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6381-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146826.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

100		o-xylene	1.398	1.314	6.0	102	0.00	14.15
101		styrene	1.105	1.082	2.1	101	0.00	14.16
102		bromoform	0.286	0.277	3.1	103	0.00	14.45
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	15.85
104		isopropylbenzene	3.289	2.939	10.6	99	0.00	14.48
105	S	4-bromofluorobenzene (s)	1.002	0.950	5.2	107	0.00	14.70
106		cis-1,4-dichloro-2-butene		----------NA----------				
107		bromobenzene	0.910	0.883	3.0	104	0.00	14.89
108		cyclohexanone	0.160	0.058	63.8#	39#	0.00	14.69
109		1,1,2,2-tetrachloroethane	0.916	0.880	3.9	107	0.00	14.82
110		trans-1,4-dichloro-2-bute	0.219	0.214	2.3	104	0.00	14.86
111		1,2,3-trichloropropane	0.199	0.195	2.0	111	0.00	14.89
112		n-propylbenzene	3.689	3.419	7.3	99	0.00	14.88
113		4-Ethyltoluene		----------NA----------				
114		2-chlorotoluene	0.803	0.759	5.5	99	0.00	15.04
115		4-chlorotoluene	2.389	2.223	6.9	100	0.00	15.14
116		1,3,5-trimethylbenzene	2.723	2.487	8.7	100	0.00	15.03
117		tert-butylbenzene	2.216	2.065	6.8	98	0.00	15.37
118		pentachloroethane	0.549	0.558	-1.6	107	0.00	15.47
119		1,2,4-trimethylbenzene	2.689	2.457	8.6	99	0.00	15.42
120		sec-butylbenzene	3.498	3.163	9.6	96	0.00	15.58
121		1,3-dichlorobenzene	1.678	1.622	3.3	100	0.00	15.79
122		p-isopropyltoluene	2.892	2.670	7.7	97	0.00	15.70
123		1,4-dichlorobenzene	1.742	1.635	6.1	101	0.00	15.87
124		1,2-dichlorobenzene	1.612	1.540	4.5	102	0.00	16.27
125		n-butylbenzene	1.496	1.342	10.3	92	0.00	16.11
126		p-Diethylbenzene		----------NA----------				
127		1,2-dibromo-3-chloropropa	0.175	0.165	5.7	104	0.00	17.05
128		1,3,5-Trichlorobenzene	1.373	1.306	4.9	99	0.00	17.20
129		1,2,4-trichlorobenzene	1.151	1.128	2.0	101	0.00	17.84
130		1,2,4,5-tetramethylbenzen		----------NA----------				
131		hexachlorobutadiene	0.693	0.648	6.5	97	0.00	17.93
132		naphthalene	2.343	2.282	2.6	103	0.00	18.12
133		1,2,3-trichlorobenzene	1.069	1.044	2.3	102	0.00	18.37
134		hexachloroethane	0.568	0.528	7.0	101	0.00	16.50
135		Benzyl chloride	1.609	1.564	2.8	102	0.00	15.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Y146739.D MYS6377.M Mon Jun 30 16:26:37 2014 RPT1

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6383-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146859.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\Y146859.D Vial: 2
Acq On : 30 Jun 2014 10:58 am Operator: prashans
Sample : CC6377-20 Inst : MSY
Misc : MS69575,VY6383,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
Last Update : Wed Jun 25 11:30:58 2014
Response via : Multiple Level Calibration

Min. RRF : 0.000 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	95	-0.01	7.35
2		1,4-dioxane	0.120	0.118	1.7	97	0.00	11.17
3		ETHANOL		----------NA----------				
4		tertiary butyl alcohol	1.324	1.364	-3.0	99	-0.01	7.46
5	I	pentafluorobenzene	1.000	1.000	0.0	109	0.00	9.52
6		propene		----------NA----------				
7		freon 141b		----------NA----------				
8		freon 142b		----------NA----------				
9		freon 143a		----------NA----------				
10		freon 114		----------NA----------				
11		chlorodifluoromethane	0.325	0.255	21.5#	74	0.00	3.97
12		dichlorodifluoromethane	0.380	0.366	3.7	94	0.00	3.95
13		chloromethane	0.535	0.495	7.5	96	0.00	4.27
14		vinyl chloride	0.479	0.453	5.4	95	0.00	4.52
15		1,3-butadiene		----------NA----------				
16		bromomethane	0.343	0.318	7.3	94	0.00	5.19
17		chloroethane	0.221	0.214	3.2	97	0.00	5.36
18		Vinyl Bromide		----------NA----------				
19		trichlorofluoromethane	0.514	0.496	3.5	99	0.00	5.80
20		ethyl ether	0.208	0.208	0.0	106	0.00	6.20
21		2-chloropropane	0.145	0.156	-7.6	105	0.00	6.41
22		acrolein	0.079	0.076	3.8	110	0.00	6.52
23		1,1-dichloroethene	0.529	0.539	-1.9	106	0.00	6.63
24		acetone	0.224	0.206	8.0	96	0.00	6.74
25		allyl chloride	0.188	0.192	-2.1	116	0.00	7.16
26		acetonitrile	0.030	0.027	10.0	107	0.00	7.22
27		iodomethane	0.668	0.666	0.3	101	0.00	6.93
28		carbon disulfide	1.262	1.233	2.3	104	0.00	7.03
29		1-chloropropane	0.702	0.725	-3.3	107	0.00	7.38
30		methylene chloride	0.653	0.568	13.0	93	0.00	7.38
31		methyl acetate	0.054	0.049	9.3	99	0.00	7.17
32		methyl tert butyl ether	1.150	1.114	3.1	103	0.00	7.66
33		trans-1,2-dichloroethene	0.530	0.540	-1.9	105	0.00	7.72
34		di-isopropyl ether	1.375	1.250	9.1	96	0.00	8.23
35		ethyl tert-butyl ether	1.286	1.169	9.1	94	0.00	8.69
36		2-butanone	0.053	0.056	-5.7	109	0.00	9.02
37		1,1-dichloroethane	0.691	0.693	-0.3	105	0.00	8.29
38		chloroprene	0.490	0.456	6.9	93	0.00	8.38
39		acrylonitrile	0.127	0.128	-0.8	105	0.00	7.75
40		vinyl acetate	0.054	0.048	11.1	92	0.00	8.28
41		ethyl acetate	0.057	0.052	8.8	94	0.00	9.01

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6383-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146859.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42		2,2-dichloropropane	0.539	0.541	-0.4	105	-0.01	9.01
43		cis-1,2-dichloroethene	0.446	0.429	3.8	102	0.00	9.03
44		propionitrile	0.049	0.053	-8.2	110	0.00	9.15
45		bromochloromethane	0.278	0.267	4.0	102	0.00	9.35
46		tetrahydrofuran	0.051	0.050	2.0	113	0.00	9.38
47		chloroform	0.694	0.671	3.3	104	0.00	9.39
48		tert-Butyl Formate	0.260	0.241	7.3	97	0.00	9.41
49		isobutyl alcohol	0.014	0.013	7.1	108	0.00	9.85
50	S	dibromofluoromethane (s)	0.390	0.365	6.4	100	0.00	9.60
51	S	1,2-dichloroethane-d4 (s)	0.413	0.375	9.2	97	0.00	10.02
52		freon 113	0.253	0.226	10.7	87	0.00	6.58
53		methacrylonitrile	0.148	0.140	5.4	105	0.00	9.31
54		1,1,1-trichloroethane	0.539	0.543	-0.7	103	0.00	9.62
55		Cyclohexane	0.551	0.545	1.1	102	0.00	9.66
56		2,2,4-trimethylpentane	1.419	1.355	4.5	95	0.00	10.01
57		tert-amyl methyl ether	1.252	1.119	10.6	94	0.00	10.07
58	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	10.44
59		epichlorohydrin	0.031	0.029	6.5	99	0.00	11.72
60		n-butyl alcohol	0.010	0.009	10.0	101	0.00	10.60
61		carbon tetrachloride	0.399	0.411	-3.0	103	0.00	9.81
62		1,1-dichloropropene	0.406	0.422	-3.9	103	0.00	9.79
63		hexane	0.414	0.375	9.4	86	0.00	7.96
64		Tert Amyl Alcohol		----------NA----------				
65		benzene	1.322	1.302	1.5	101	0.00	10.06
66		heptane	0.245	0.240	2.0	92	0.00	10.18
67		isopropyl acetate	0.130	0.130	0.0	98	0.00	9.98
68		1,2-dichloroethane	0.373	0.401	-7.5	107	0.00	10.11
69		trichloroethene	0.321	0.325	-1.2	102	0.00	10.77
70		ethyl acrylate		----------NA----------				
71		2-nitropropane	0.105	0.099	5.7	102	0.00	11.58
72		2-chloroethyl vinyl ether	0.136	0.117	14.0	86	0.00	11.57
73		methyl methacrylate	0.211	0.210	0.5	103	0.00	11.04
74		1,2-dichloropropane	0.341	0.349	-2.3	104	0.00	11.05
75		methylcyclohexane	0.528	0.496	6.1	90	0.00	10.95
76		Tert-amyl ethyl ether		----------NA----------				
77		dibromomethane	0.198	0.202	-2.0	104	0.00	11.22
78		bromodichloromethane	0.439	0.440	-0.2	101	0.00	11.34
79		cis-1,3-dichloropropene	0.555	0.552	0.5	100	0.00	11.79
80	S	toluene-d8 (s)	1.156	1.219	-5.4	107	0.00	12.06
81		4-methyl-2-pentanone	0.122	0.129	-5.7	109	0.00	11.88
82		toluene	1.422	1.347	5.3	99	0.00	12.13
83		3-methyl-1-butanol	0.009	0.008	11.1	94	0.00	11.91
84		trans-1,3-dichloropropene	0.484	0.503	-3.9	102	0.00	12.35
85		ethyl methacrylate	0.400	0.402	-0.5	102	0.00	12.32
86		1,1,2-trichloroethane	0.247	0.246	0.4	101	0.00	12.56
87		2-hexanone	0.136	0.149	-9.6	106	0.00	12.72
88	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	13.56
89		tetrachloroethene	0.427	0.430	-0.7	98	0.00	12.69
90		1,3-dichloropropane	0.530	0.546	-3.0	101	0.00	12.74
91		butyl acetate	0.243	0.230	5.3	89	0.00	12.78
92		dibromochloromethane	0.414	0.421	-1.7	100	0.00	13.00
93		1,2-dibromoethane	0.341	0.353	-3.5	102	0.00	13.15
94		3,3-Dimethyl-1-Butanol	0.040	0.037	7.5	95	0.00	12.89
95		n-butyl ether		----------NA----------				
96		chlorobenzene	1.052	1.048	0.4	98	0.00	13.58
97		1,1,1,2-tetrachloroethane	0.379	0.388	-2.4	99	0.00	13.65
98		ethylbenzene	1.751	1.757	-0.3	101	0.00	13.62
99		m,p-xylene	0.689	0.679	1.5	99	0.00	13.73

Continuing Calibration Summary

Job Number: JB69926 **Sample:** VY6383-CC6377
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** Y146859.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

100		o-xylene	1.398	1.415	-1.2	101	0.00	14.14
101		styrene	1.105	1.140	-3.2	98	0.00	14.16
102		bromoform	0.286	0.294	-2.8	101	0.00	14.45
103	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	15.85
104		isopropylbenzene	3.289	3.318	-0.9	99	0.00	14.48
105	S	4-bromofluorobenzene (s)	1.002	0.969	3.3	97	0.00	14.70
106		cis-1,4-dichloro-2-butene		----------NA----------				
107		bromobenzene	0.910	0.952	-4.6	99	0.00	14.89
108		cyclohexanone	0.160	0.185	-15.6	111	0.00	14.68
109		1,1,2,2-tetrachloroethane	0.916	0.960	-4.8	103	0.00	14.82
110		trans-1,4-dichloro-2-bute	0.219	0.236	-7.8	102	0.00	14.86
111		1,2,3-trichloropropane	0.199	0.211	-6.0	107	0.00	14.89
112		n-propylbenzene	3.689	3.885	-5.3	100	0.00	14.88
113		4-Ethyltoluene		----------NA----------				
114		2-chlorotoluene	0.803	0.841	-4.7	97	0.00	15.04
115		4-chlorotoluene	2.389	2.445	-2.3	98	0.00	15.14
116		1,3,5-trimethylbenzene	2.723	2.798	-2.8	100	0.00	15.03
117		tert-butylbenzene	2.216	2.321	-4.7	98	0.00	15.37
118		pentachloroethane	0.549	0.587	-6.9	100	0.00	15.47
119		1,2,4-trimethylbenzene	2.689	2.751	-2.3	99	0.00	15.42
120		sec-butylbenzene	3.498	3.578	-2.3	97	0.00	15.58
121		1,3-dichlorobenzene	1.678	1.768	-5.4	97	0.00	15.79
122		p-isopropyltoluene	2.892	3.025	-4.6	98	0.00	15.70
123		1,4-dichlorobenzene	1.742	1.803	-3.5	99	0.00	15.87
124		1,2-dichlorobenzene	1.612	1.682	-4.3	99	0.00	16.27
125		n-butylbenzene	1.496	1.520	-1.6	93	0.00	16.11
126		p-Diethylbenzene		----------NA----------				
127		1,2-dibromo-3-chloropropa	0.175	0.180	-2.9	101	0.00	17.05
128		1,3,5-Trichlorobenzene	1.373	1.470	-7.1	99	0.00	17.20
129		1,2,4-trichlorobenzene	1.151	1.246	-8.3	99	0.00	17.84
130		1,2,4,5-tetramethylbenzen		----------NA----------				
131		hexachlorobutadiene	0.693	0.719	-3.8	96	0.00	17.93
132		naphthalene	2.343	2.529	-7.9	101	0.00	18.12
133		1,2,3-trichlorobenzene	1.069	1.142	-6.8	99	0.00	18.37
134		hexachloroethane	0.568	0.587	-3.3	100	0.00	16.50
135		Benzyl chloride	1.609	1.599	0.6	93	0.00	15.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y146739.D MYS6377.M Mon Jun 30 16:50:38 2014 RPT1

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146772.D
Acq On : 25 Jun 2014 11:57 pm
Operator : prashans
Sample : JB69926-1
Misc : MS69575,VY6378,6.0,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 26 11:38:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

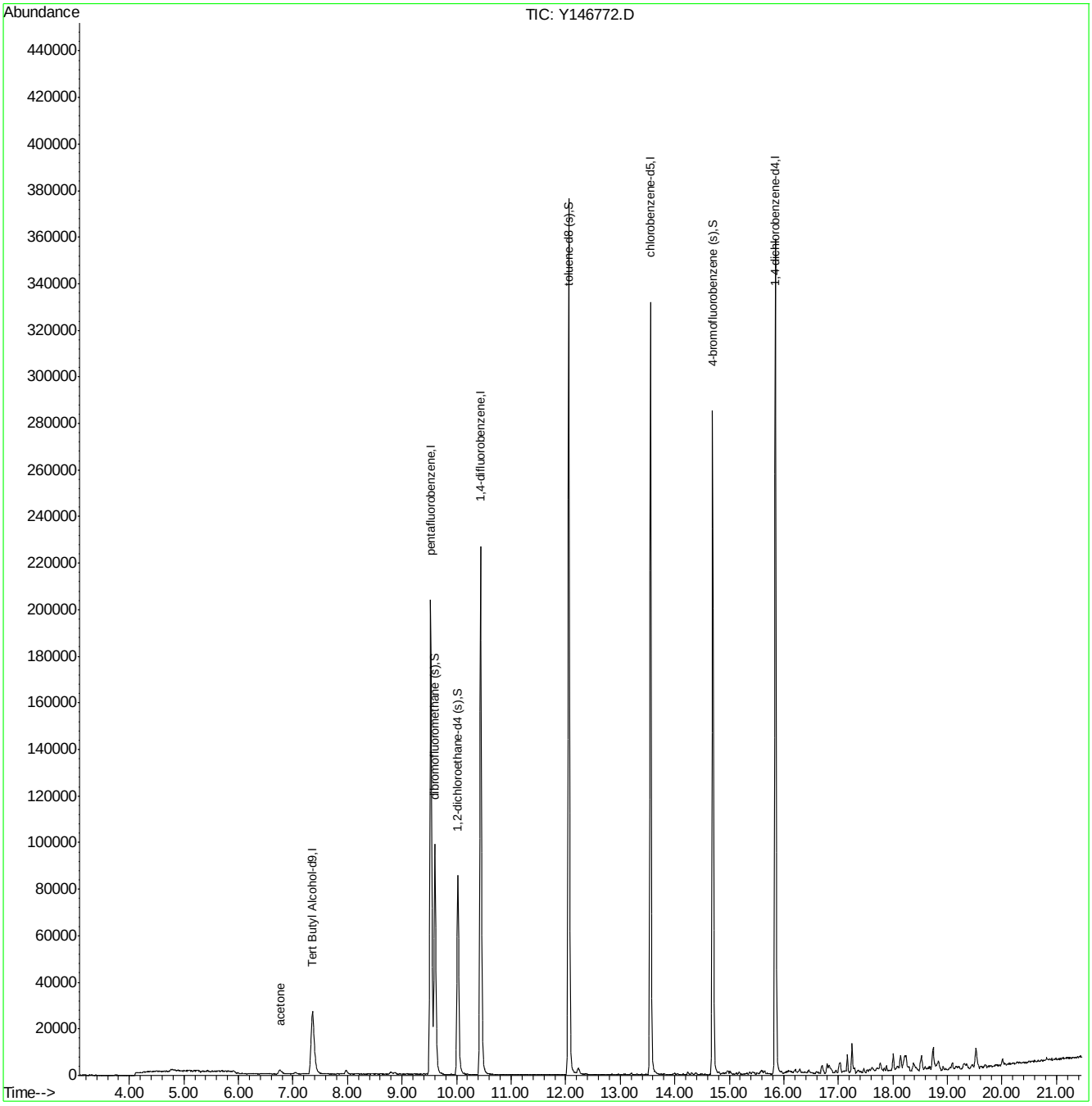
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	63797	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	194196	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	233948	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	199787	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	101457	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	75192	49.61	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 99.22%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	73141	45.65	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 91.30%			
80) toluene-d8 (s)	12.06	98	283710	52.44	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.88%			
105) 4-bromofluorobenzene (s)	14.70	95	98899	48.65	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.30%			
Target Compounds						Qvalue
24) acetone	6.76	43	5629	6.47	ug/L	90

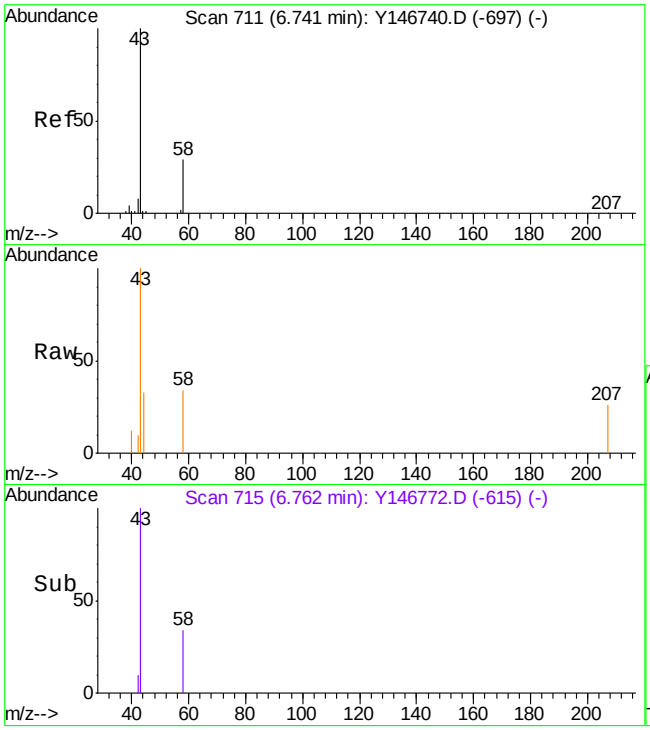
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146772.D
Acq On : 25 Jun 2014 11:57 pm
Operator : prashans
Sample : JB69926-1
Misc : MS69575,VY6378,6.0,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 26 11:38:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

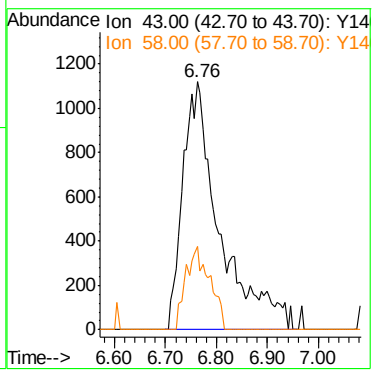




#24
acetone
Concen: 6.47 ug/L
RT: 6.76 min Scan# 715
Delta R.T. 0.02 min
Lab File: Y146772.D
Acq: 25 Jun 2014 11:57 pm

Tgt Ion: 43 Resp: 5629

Ion	Ratio	Lower	Upper
43	100		
58	33.8	0.0	58.3



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146773.D
Acq On : 26 Jun 2014 12:26 am
Operator : prashans
Sample : JB69926-2
Misc : MS69575,VY6378,5.1,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 26 11:42:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

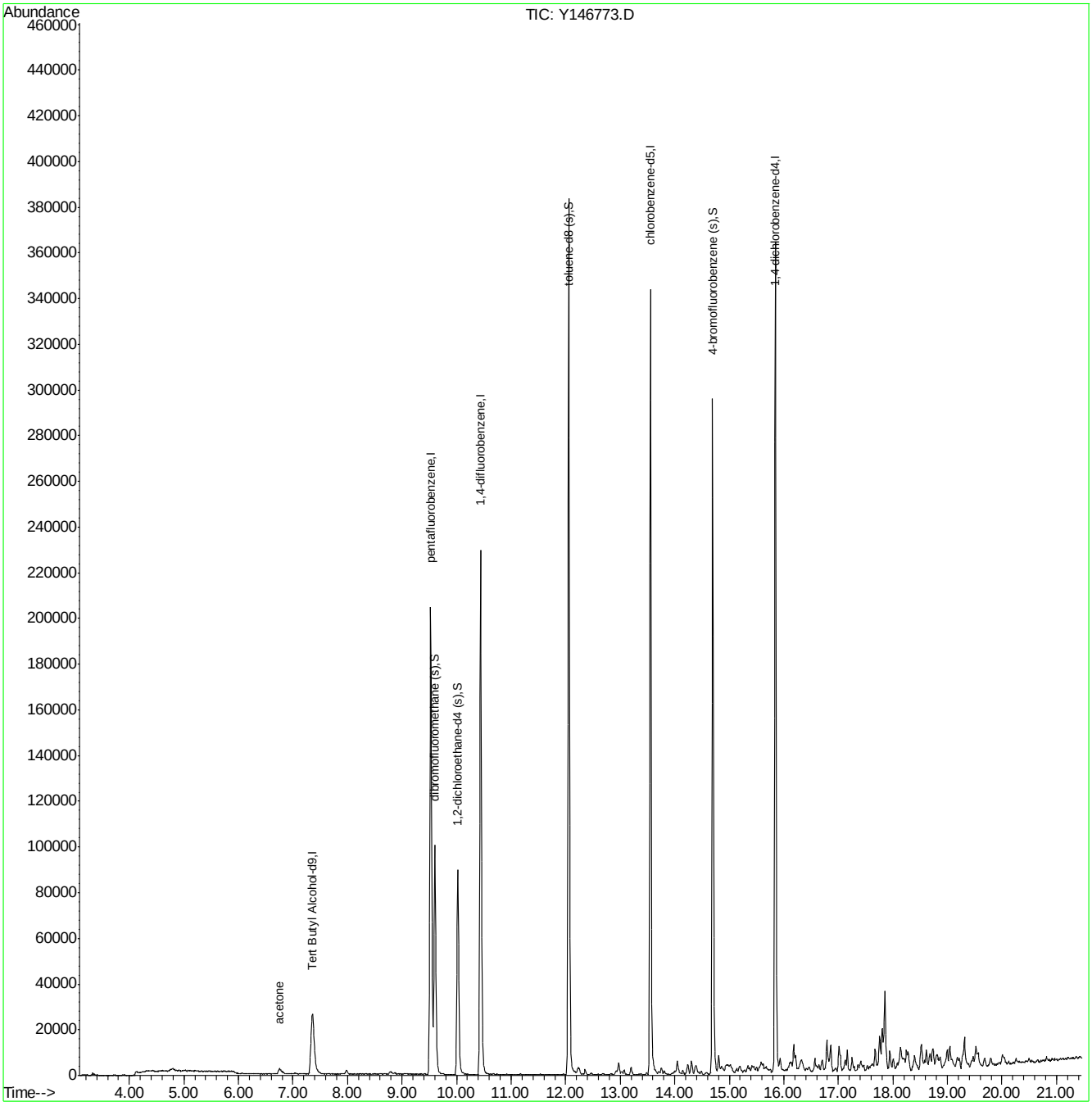
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	66737	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	195082	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	236152	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	202842	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	103723	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	76126	50.00	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 100.00%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	74747	46.44	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.88%			
80) toluene-d8 (s)	12.06	98	288090	52.75	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.50%			
105) 4-bromofluorobenzene (s)	14.70	95	101153	48.68	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.36%			
Target Compounds						Qvalue
24) acetone	6.75	43	8120	9.29	ug/L	98

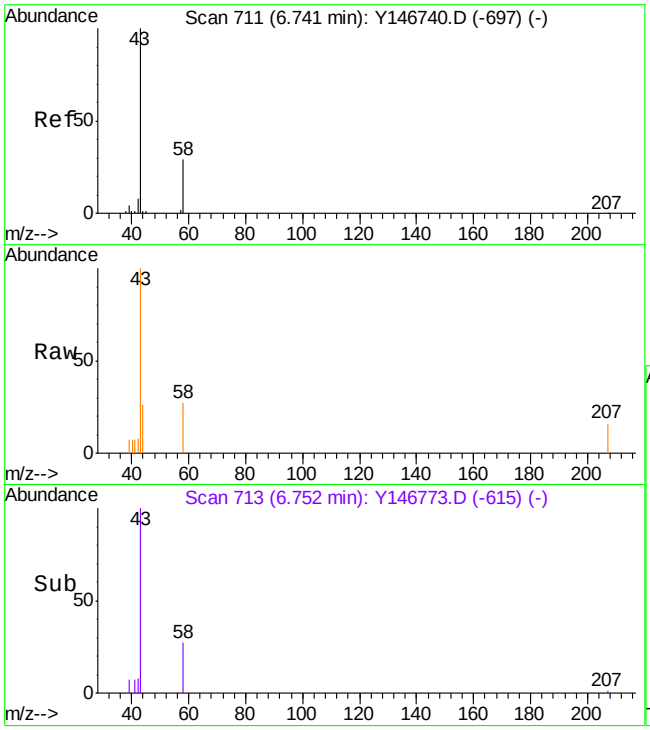
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146773.D
Acq On : 26 Jun 2014 12:26 am
Operator : prashans
Sample : JB69926-2
Misc : MS69575,VY6378,5.1,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 26 11:42:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

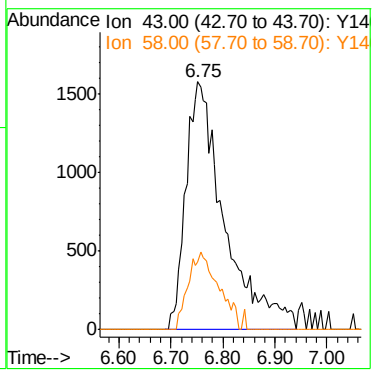




#24
acetone
Concen: 9.29 ug/L
RT: 6.75 min Scan# 713
Delta R.T. 0.01 min
Lab File: Y146773.D
Acq: 26 Jun 2014 12:26 am

Tgt Ion: 43 Resp: 8120

Ion	Ratio	Lower	Upper
43	100		
58	27.3	0.0	58.3



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146843.D
Acq On : 27 Jun 2014 6:01 pm
Operator : prashans
Sample : JB69926-3
Misc : MS69575,VY6381,5.4,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 16:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

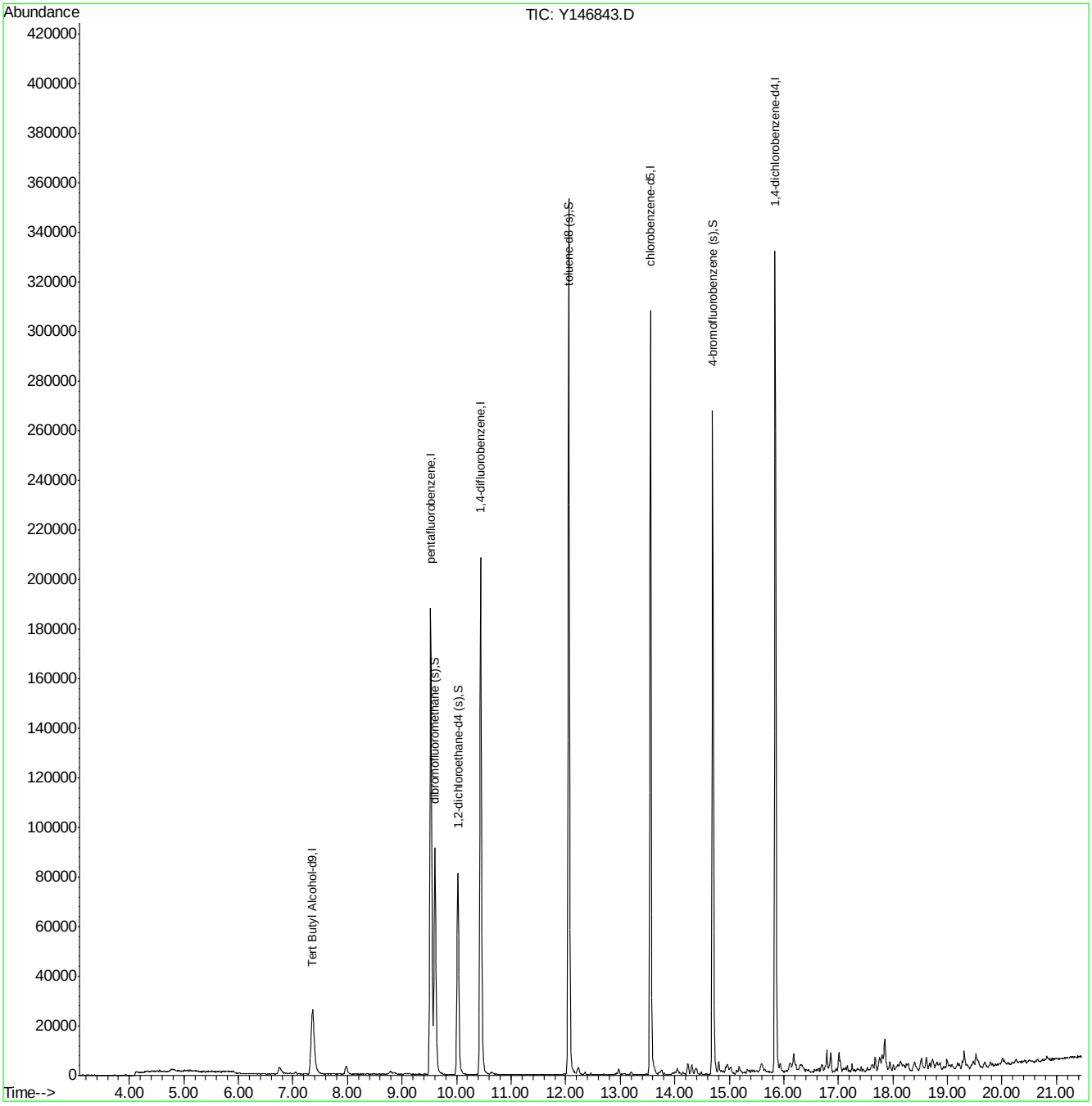
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	61444	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	181431	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	218413	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	186736	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.84	152	95468	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	71187	50.27	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 100.54%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	69351	46.33	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.66%			
80) toluene-d8 (s)	12.06	98	264894	52.44	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.88%			
105) 4-bromofluorobenzene (s)	14.70	95	92124	48.16	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.32%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146843.D
Acq On : 27 Jun 2014 6:01 pm
Operator : prashans
Sample : JB69926-3
Misc : MS69575,VY6381,5.4,,,,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 16:43:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146846.D
Acq On : 27 Jun 2014 7:28 pm
Operator : prashans
Sample : JB69926-4
Misc : MS69575,VY6381,5.5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 16:45:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	63189	500.00	ug/L	-0.01
5) pentafluorobenzene	9.53	168	192537	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	231493	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	197827	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	100902	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	75229	50.06	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 100.12%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	72258	45.48	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 90.96%			
80) toluene-d8 (s)	12.06	98	281858	52.65	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.30%			
105) 4-bromofluorobenzene (s)	14.70	95	98557	48.75	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.50%			

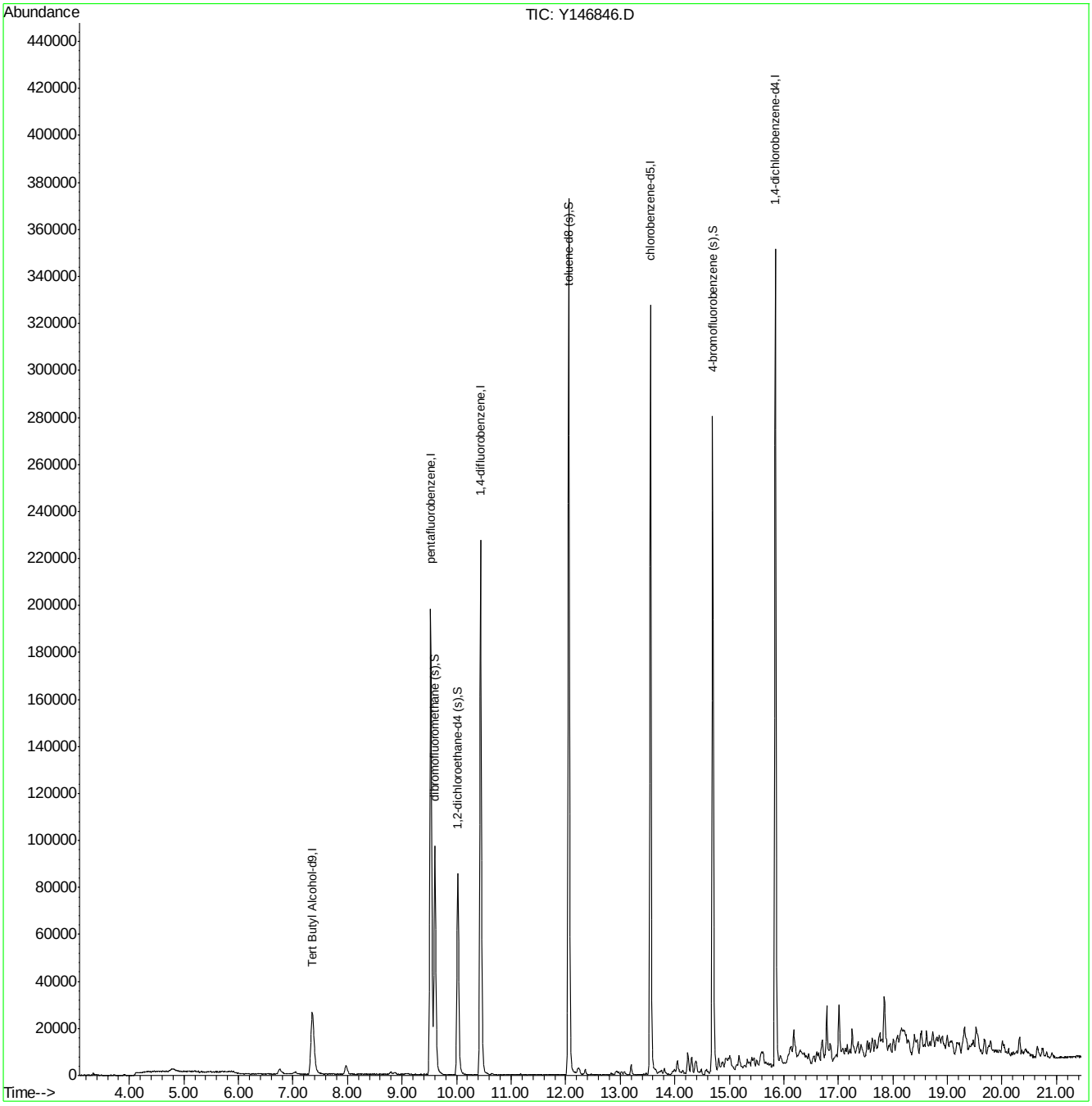
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146846.D
Acq On : 27 Jun 2014 7:28 pm
Operator : prashans
Sample : JB69926-4
Misc : MS69575,VY6381,5.5,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 16:45:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146847.D
Acq On : 27 Jun 2014 7:56 pm
Operator : prashans
Sample : JB69926-5
Misc : MS69575,VY6381,5.6,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 16:46:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	66214	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	206139	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	248767	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	211727	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	107633	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	79347	49.32	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 98.64%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	75806	44.57	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.14%			
80) toluene-d8 (s)	12.06	98	301896	52.48	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.96%			
105) 4-bromofluorobenzene (s)	14.70	95	104981	48.68	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.36%			

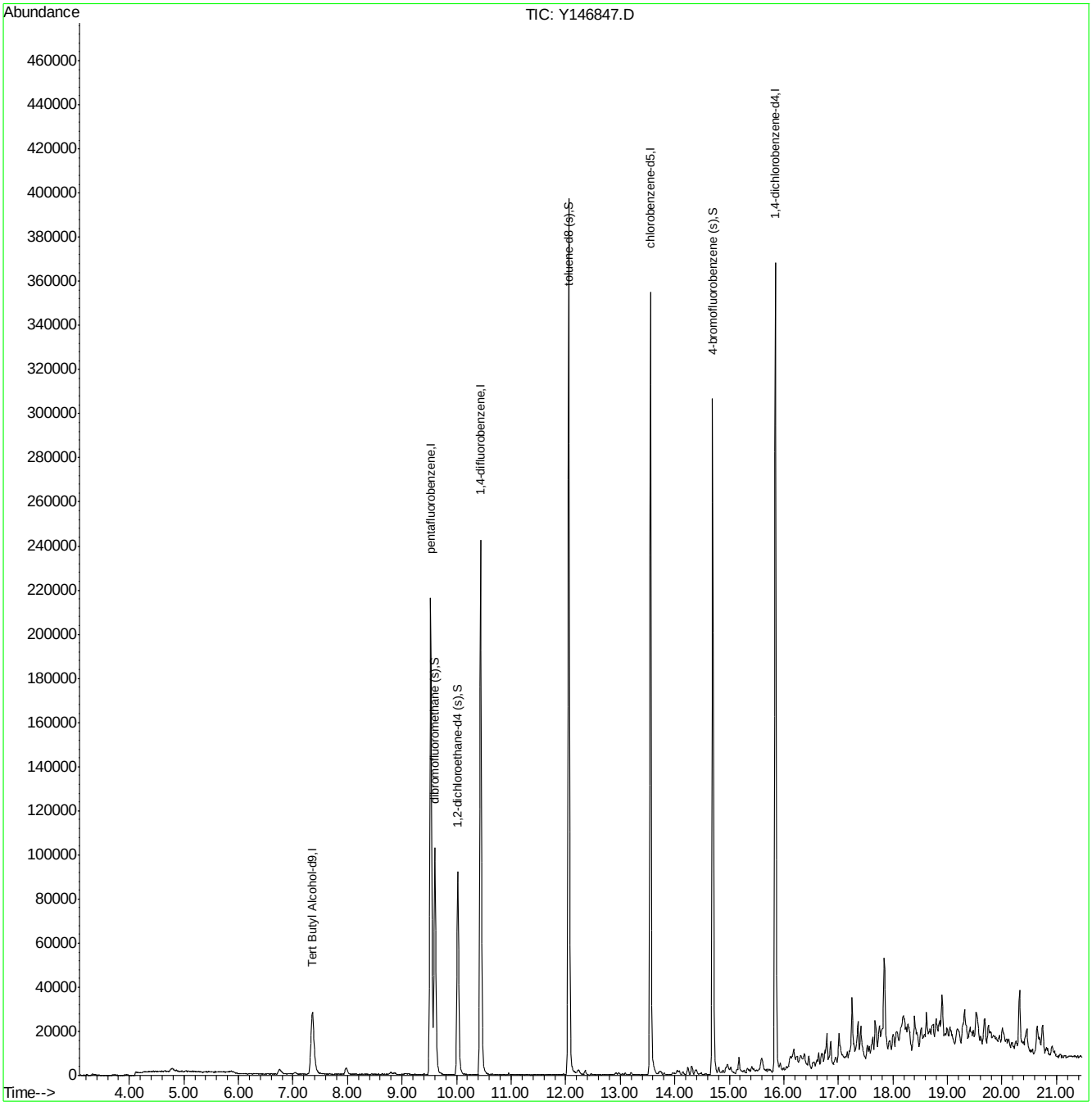
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146847.D
Acq On : 27 Jun 2014 7:56 pm
Operator : prashans
Sample : JB69926-5
Misc : MS69575,VY6381,5.6,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 16:46:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146845.D
Acq On : 27 Jun 2014 6:59 pm
Operator : prashans
Sample : JB69926-6
Misc : MS69575,VY6381,5.7,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 30 16:45:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

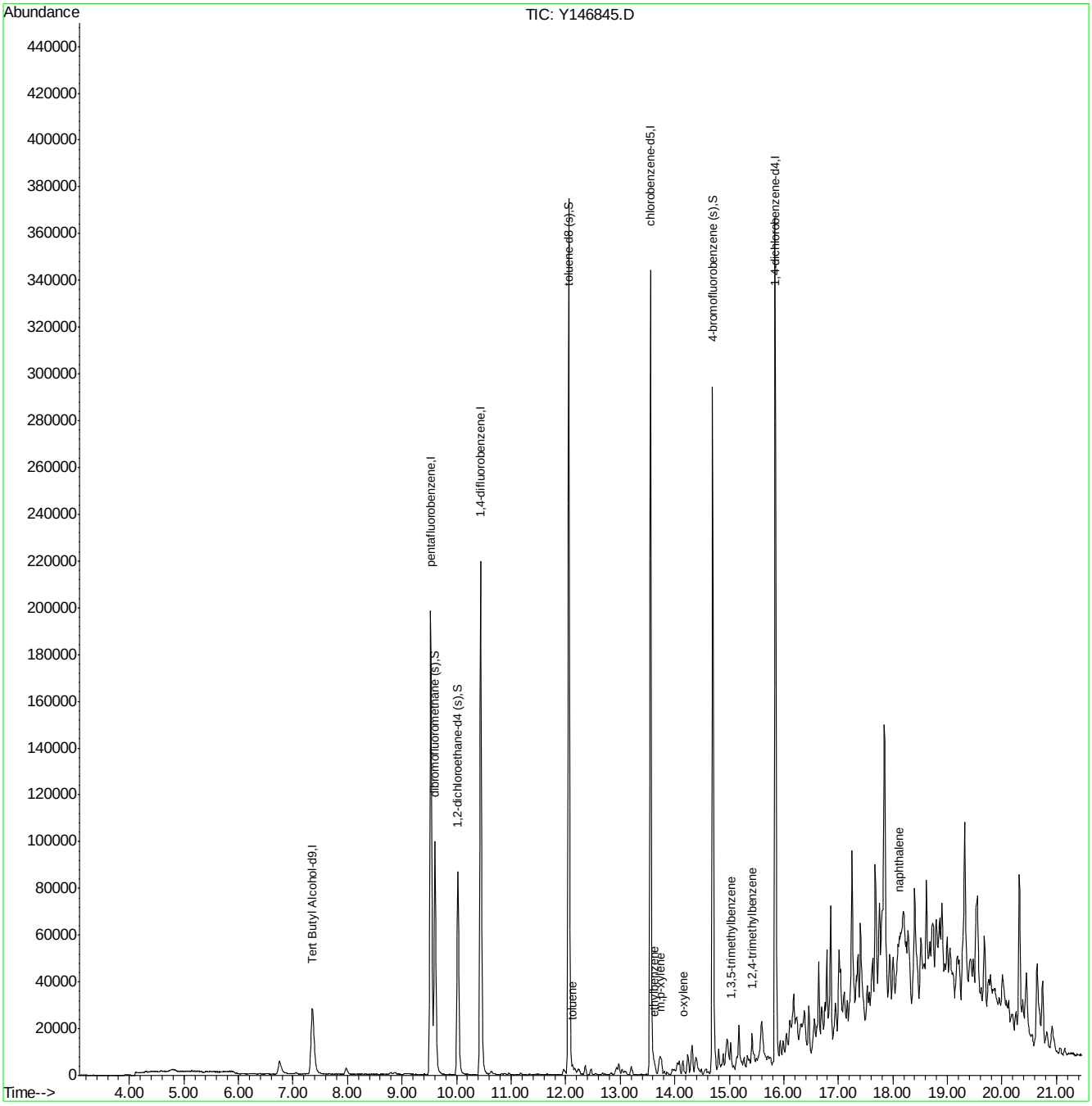
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	65652	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	191938	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	231433	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	202890	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	102821	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	75664	50.51	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 101.02%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	73764	46.58	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 93.16%			
80) toluene-d8 (s)	12.06	98	283781	53.02	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 106.04%			
105) 4-bromofluorobenzene (s)	14.70	95	100659	48.86	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.72%			
Target Compounds						Qvalue
82) toluene	12.13	91	2477	0.38	ug/L	91
98) ethylbenzene	13.63	91	1312	0.18	ug/L	87
99) m,p-xylene	13.73	106	2138	0.77	ug/L	94
100) o-xylene	14.15	91	2227	0.39	ug/L	99
116) 1,3,5-trimethylbenzene	15.03	105	2331	0.42	ug/L	90
119) 1,2,4-trimethylbenzene	15.42	105	6145	1.11	ug/L	92
132) naphthalene	18.12	128	13434	2.79	ug/L	95

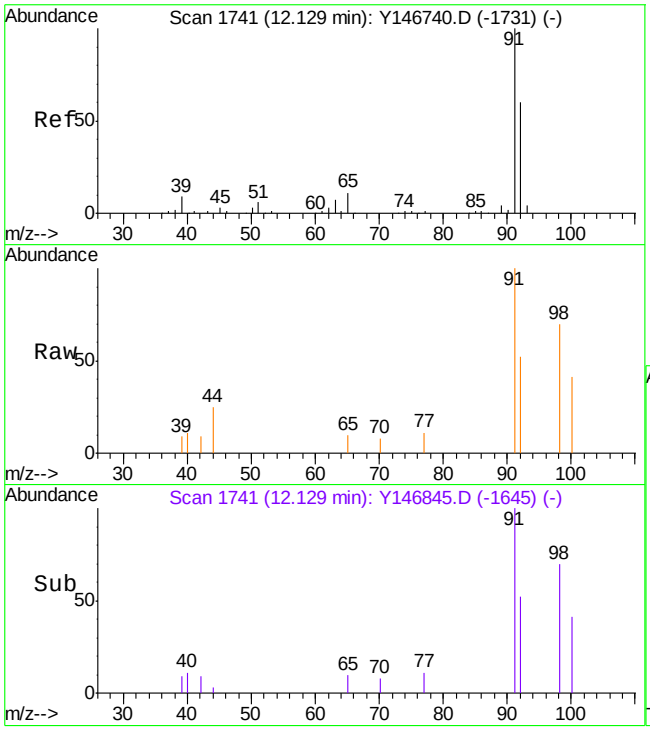
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146845.D
Acq On : 27 Jun 2014 6:59 pm
Operator : prashans
Sample : JB69926-6
Misc : MS69575,VY6381,5.7,,,,1
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 30 16:45:25 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

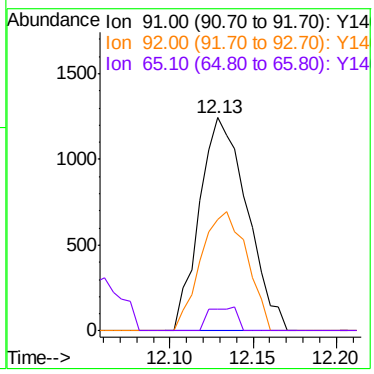


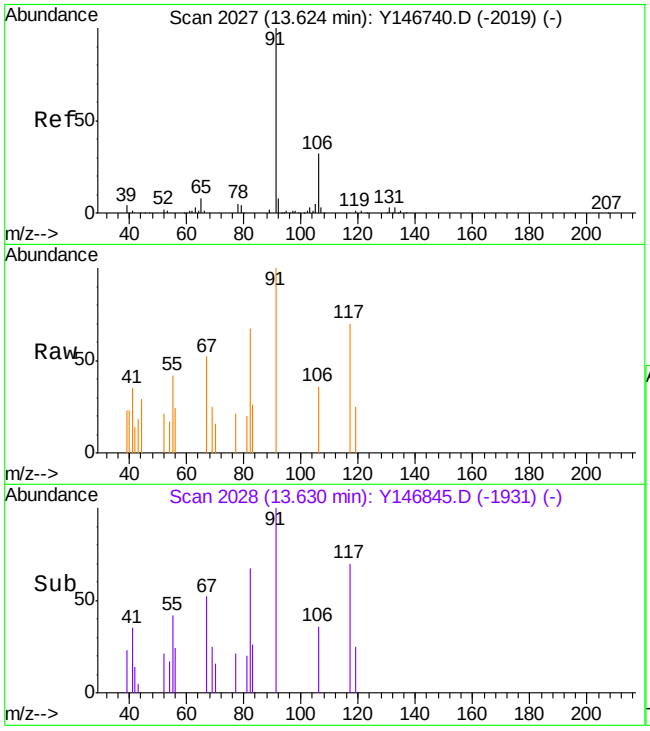


#82
toluene
Concen: 0.38 ug/L
RT: 12.13 min Scan# 1741
Delta R.T. 0.00 min
Lab File: Y146845.D
Acq: 27 Jun 2014 6:59 pm

Tgt Ion: 91 Resp: 2477

Ion	Ratio	Lower	Upper
91	100		
92	52.2	30.0	90.0
65	10.0	0.0	40.6

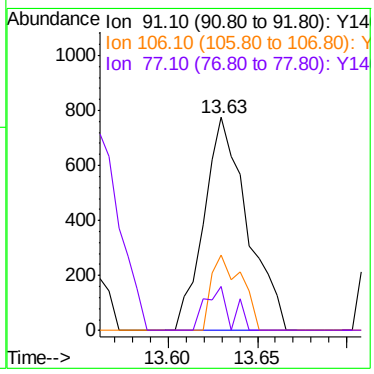


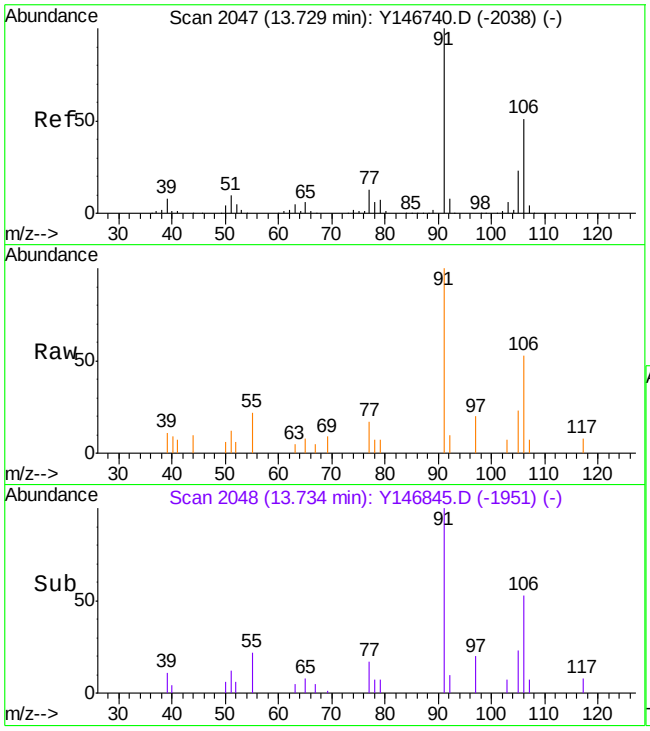


#98
ethylbenzene
Concen: 0.18 ug/L
RT: 13.63 min Scan# 2028
Delta R.T. 0.01 min
Lab File: Y146845.D
Acq: 27 Jun 2014 6:59 pm

Tgt Ion: 91 Resp: 1312

Ion	Ratio	Lower	Upper
91	100		
106	35.6	1.6	61.6
77	20.6	0.0	38.6

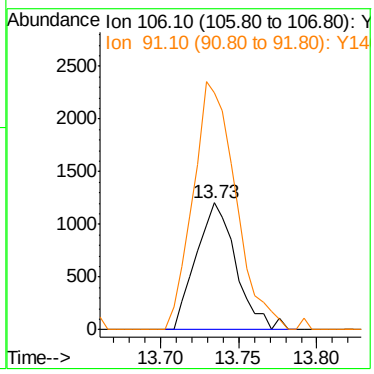


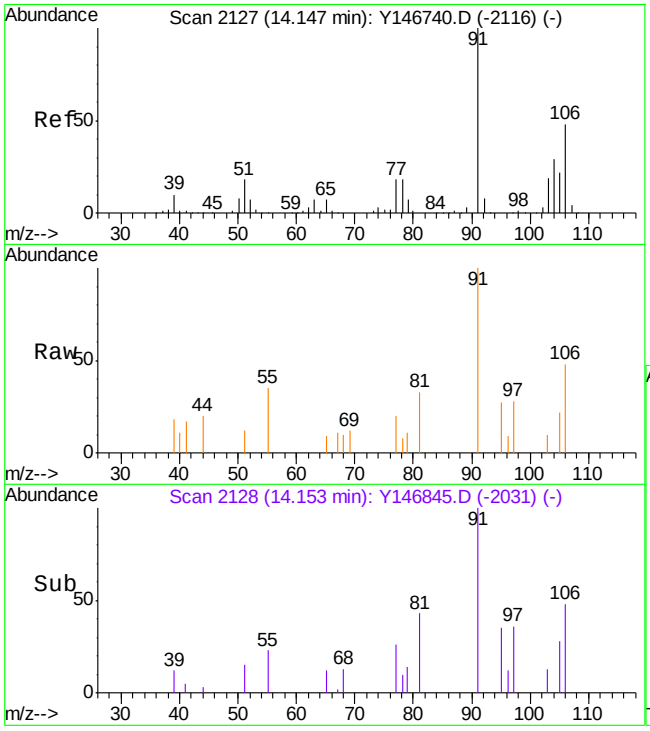


#99
m,p-xylene
Concen: 0.77 ug/L
RT: 13.73 min Scan# 2048
Delta R.T. 0.01 min
Lab File: Y146845.D
Acq: 27 Jun 2014 6:59 pm

Tgt Ion:106 Resp: 2138

Ion	Ratio	Lower	Upper
106	100		
91	186.9	137.2	254.8

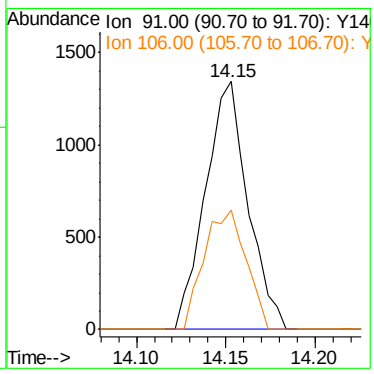


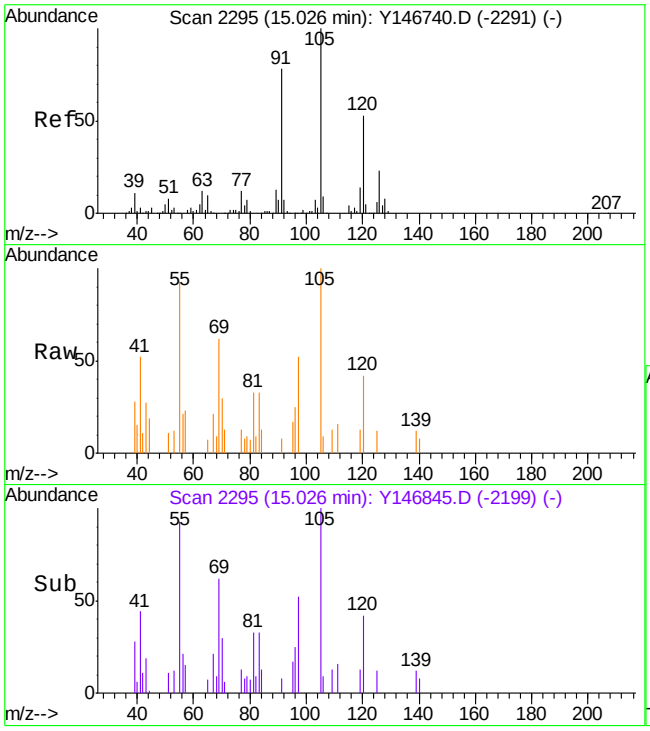


#100
o-xylene
Concen: 0.39 ug/L
RT: 14.15 min Scan# 2128
Delta R.T. 0.01 min
Lab File: Y146845.D
Acq: 27 Jun 2014 6:59 pm

Tgt Ion: 91 Resp: 2227

Ion	Ratio	Lower	Upper
91	100		
106	48.0	33.9	63.0

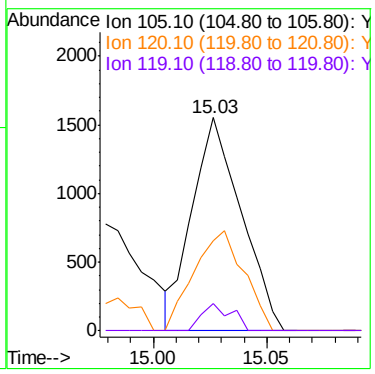


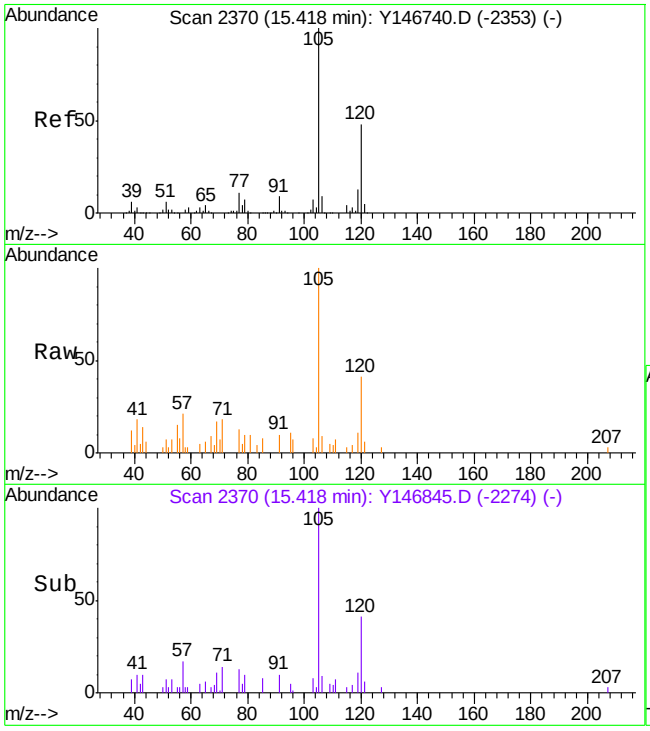


#116
1,3,5-trimethylbenzene
Concen: 0.42 ug/L
RT: 15.03 min Scan# 2295
Delta R.T. 0.00 min
Lab File: Y146845.D
Acq: 27 Jun 2014 6:59 pm

Tgt Ion:105 Resp: 2331

Ion	Ratio	Lower	Upper
105	100		
120	42.3	20.8	80.8
119	12.9	0.0	43.0

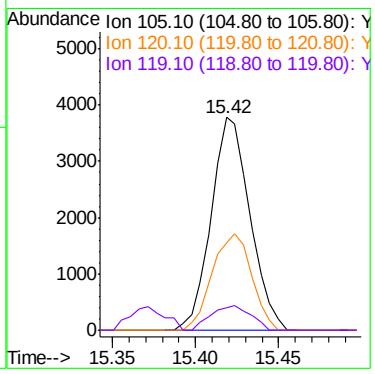


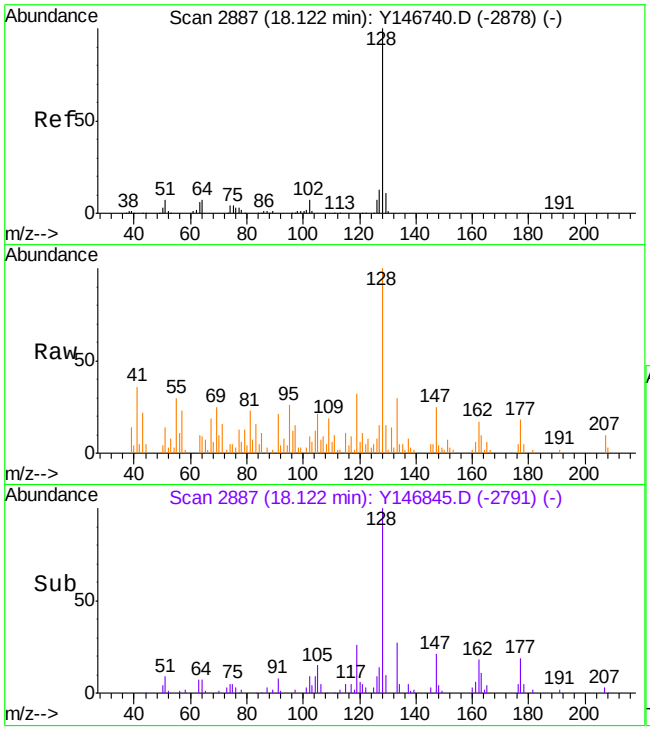


#119
1,2,4-trimethylbenzene
Concen: 1.11 ug/L
RT: 15.42 min Scan# 2370
Delta R.T. 0.00 min
Lab File: Y146845.D
Acq: 27 Jun 2014 6:59 pm

Tgt Ion:105 Resp: 6145

Ion	Ratio	Lower	Upper
105	100		
120	41.2	17.5	77.5
119	10.9	0.0	42.7

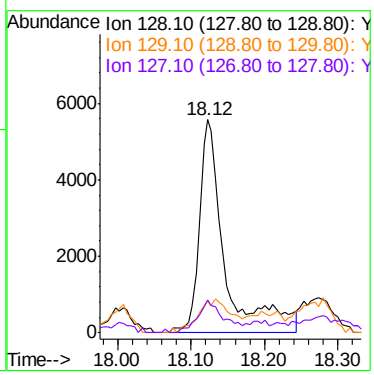




#132
naphthalene
Concen: 2.79 ug/L
RT: 18.12 min Scan# 2887
Delta R.T. 0.00 min
Lab File: Y146845.D
Acq: 27 Jun 2014 6:59 pm

Tgt Ion:128 Resp: 13434

Ion	Ratio	Lower	Upper
128	100		
129	14.8	0.0	41.1
127	13.5	0.0	42.9



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146844.D
Acq On : 27 Jun 2014 6:30 pm
Operator : prashans
Sample : JB69926-7
Misc : MS69575,VY6381,5.8,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 16:44:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	66199	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	193238	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	231705	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	199969	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	101591	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	74954	49.70	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 99.40%			
51) 1,2-dichloroethane-d4 (s)	10.03	65	74070	46.46	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.92%			
80) toluene-d8 (s)	12.06	98	283206	52.85	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.70%			
105) 4-bromofluorobenzene (s)	14.70	95	97614	47.96	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.92%			

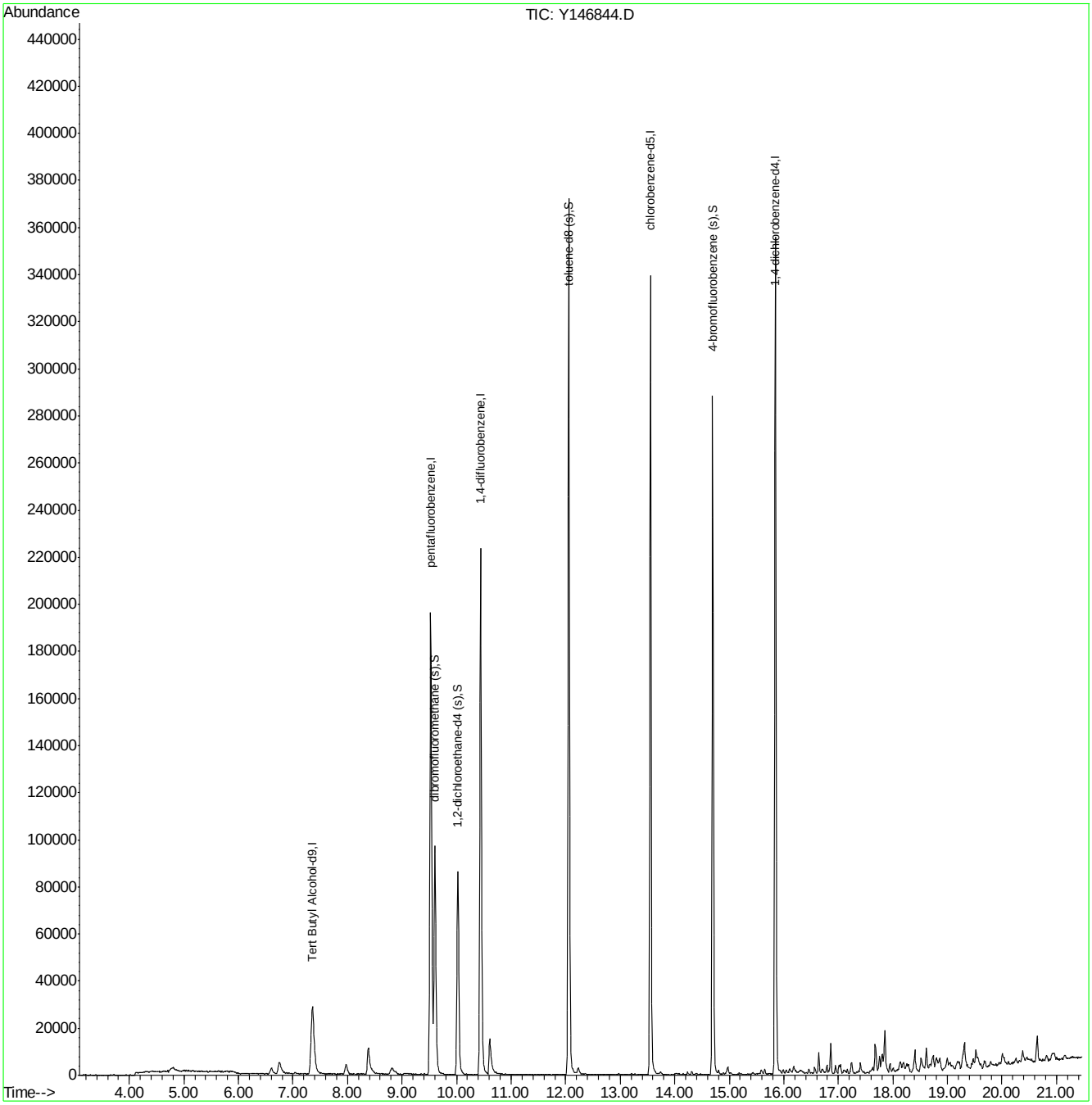
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146844.D
Acq On : 27 Jun 2014 6:30 pm
Operator : prashans
Sample : JB69926-7
Misc : MS69575,VY6381,5.8,,,,1
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 16:44:17 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/02/14 05:43

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146866.D
Acq On : 30 Jun 2014 2:49 pm
Operator : prashans
Sample : JB69926-8
Misc : MS69575,VY6383,5.4,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 02 16:24:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

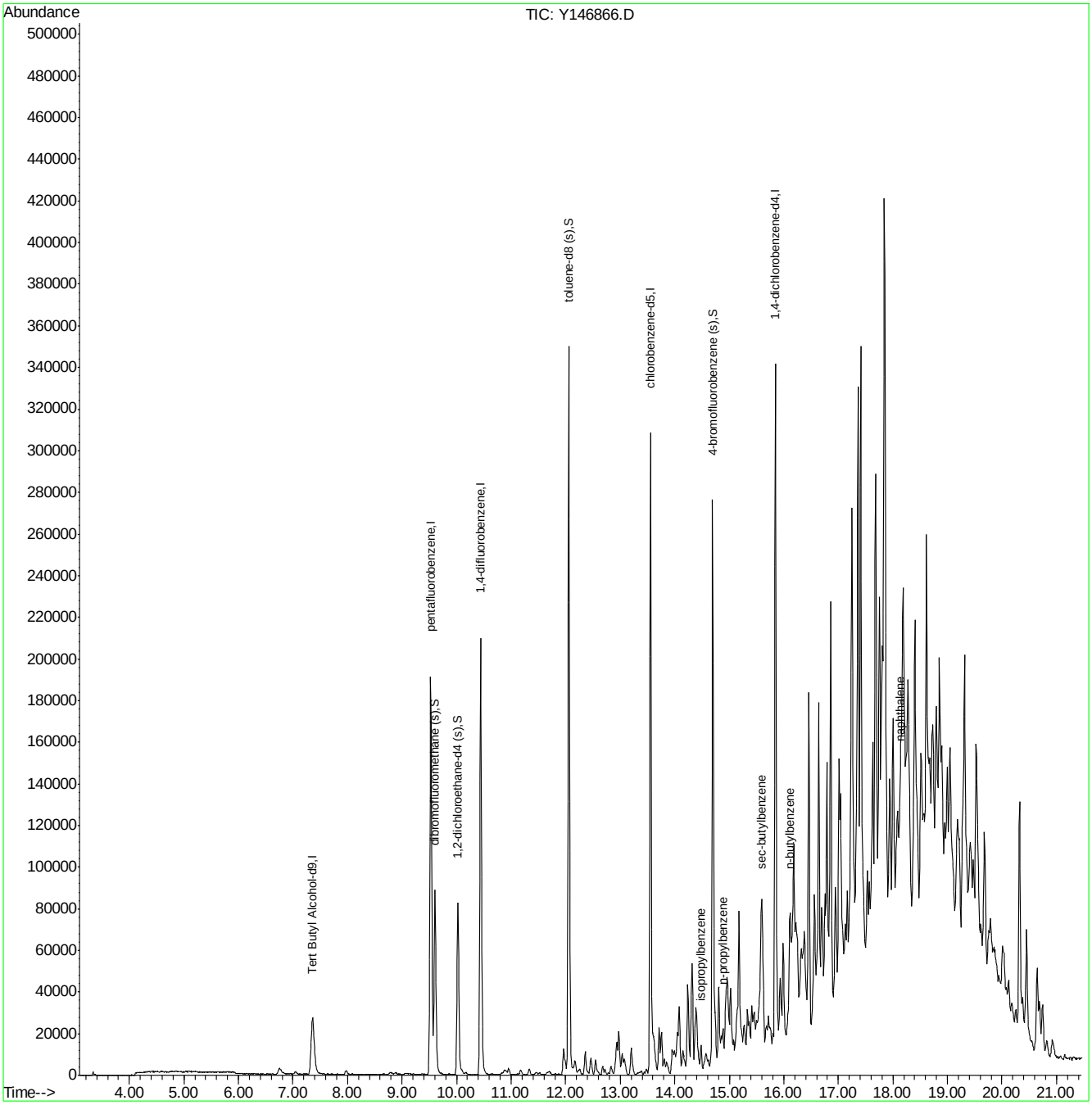
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	60210	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	183485	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	216221	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	184168	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	94280	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	68079	47.54	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.08%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	67877	44.83	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.66%			
80) toluene-d8 (s)	12.05	98	261499	52.30	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.60%			
105) 4-bromofluorobenzene (s)	14.70	95	97943	51.85	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 103.70%			
Target Compounds						Qvalue
104) isopropylbenzene	14.48	105	5321	0.86	ug/L	96
112) n-propylbenzene	14.88	91	6379	0.92	ug/L	97
120) sec-butylbenzene	15.58	105	13339	2.02	ug/L	98
125) n-butylbenzene	16.11	92	6567	2.33	ug/L	98
132) naphthalene	18.13	128	8219m	1.86	ug/L	

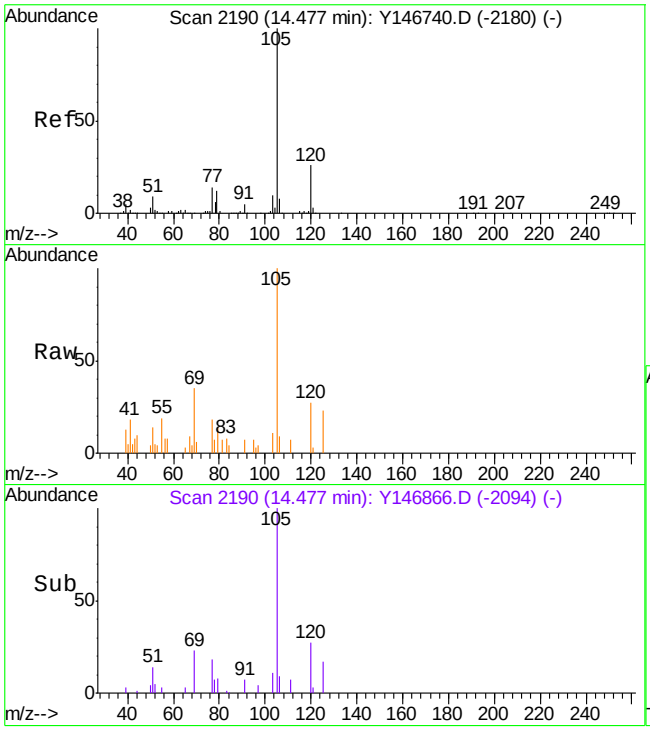
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146866.D
Acq On : 30 Jun 2014 2:49 pm
Operator : prashans
Sample : JB69926-8
Misc : MS69575,VY6383,5.4,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 02 16:24:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

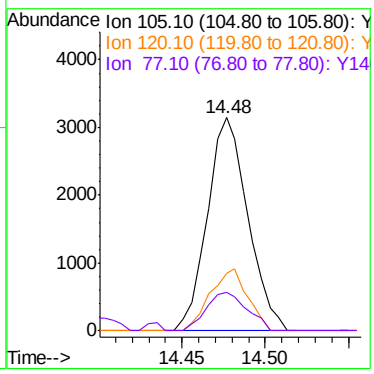


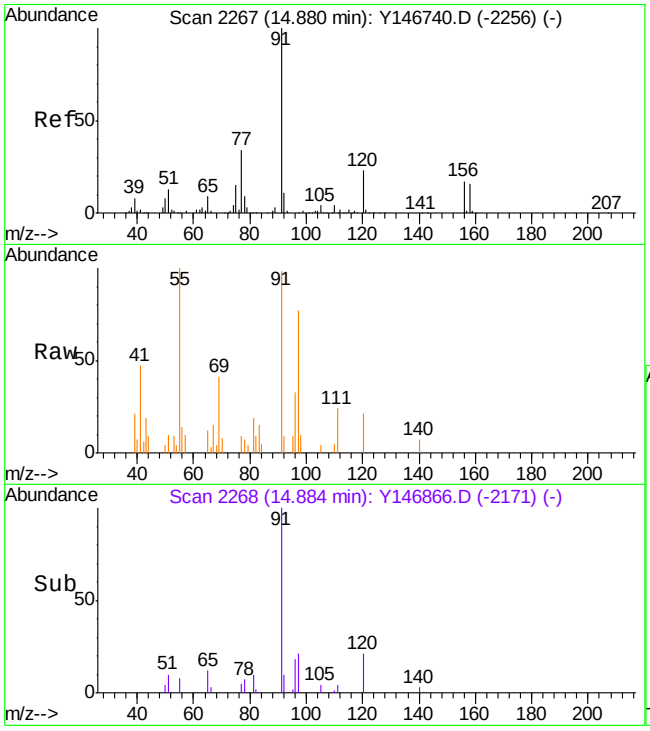


#104
isopropylbenzene
Concen: 0.86 ug/L
RT: 14.48 min Scan# 2190
Delta R.T. -0.00 min
Lab File: Y146866.D
Acq: 30 Jun 2014 2:49 pm

Tgt Ion:105 Resp: 5321

Ion	Ratio	Lower	Upper
105	100		
120	26.9	0.0	56.1
77	18.1	0.0	44.4

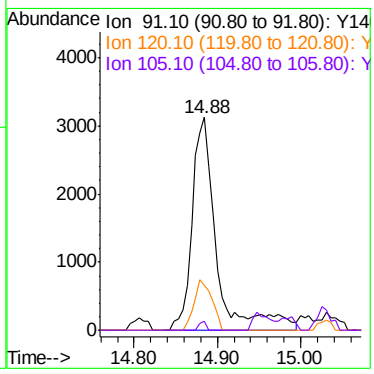


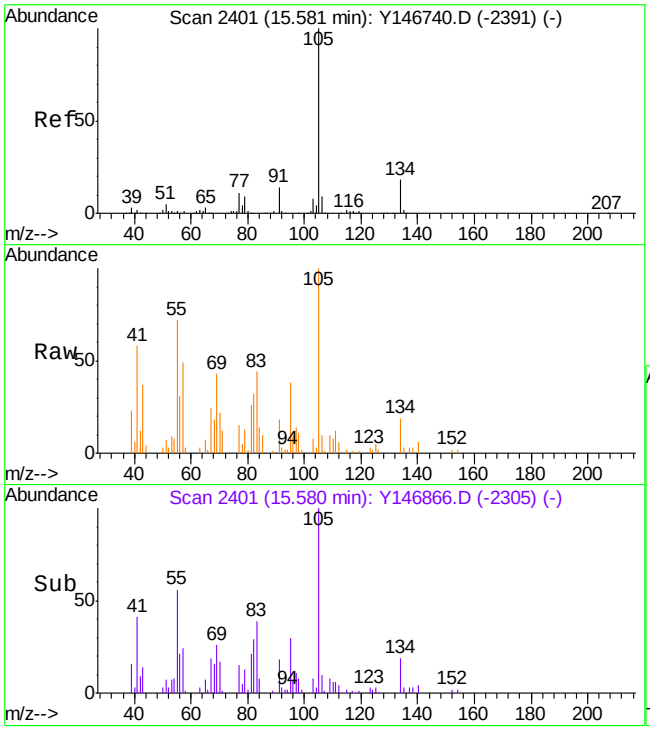


#112
n-propylbenzene
Concen: 0.92 ug/L
RT: 14.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: Y146866.D
Acq: 30 Jun 2014 2:49 pm

Tgt Ion: 91 Resp: 6379

Ion	Ratio	Lower	Upper
91	100		
120	21.4	0.0	52.7
105	4.4	0.0	33.6

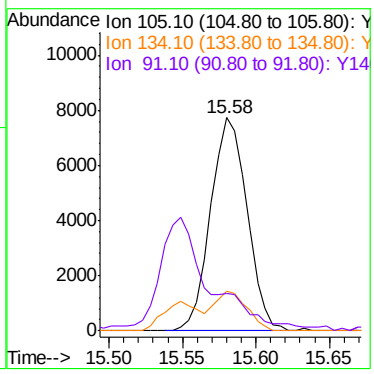


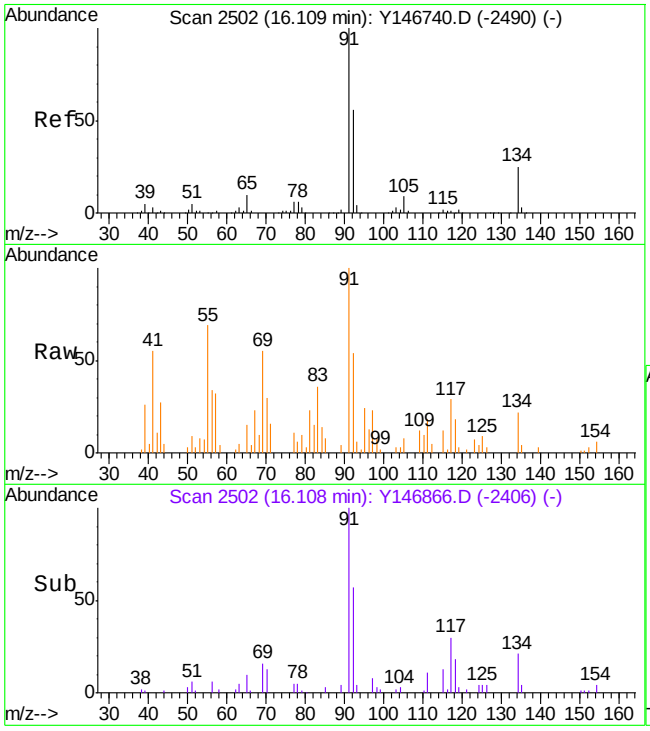


#120
sec-butylbenzene
Concen: 2.02 ug/L
RT: 15.58 min Scan# 2401
Delta R.T. -0.00 min
Lab File: Y146866.D
Acq: 30 Jun 2014 2:49 pm

Tgt Ion:105 Resp: 13339

Ion	Ratio	Lower	Upper
105	100		
134	18.6	0.0	47.7
91	15.4	0.0	44.5

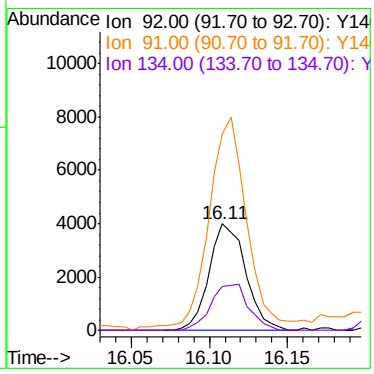


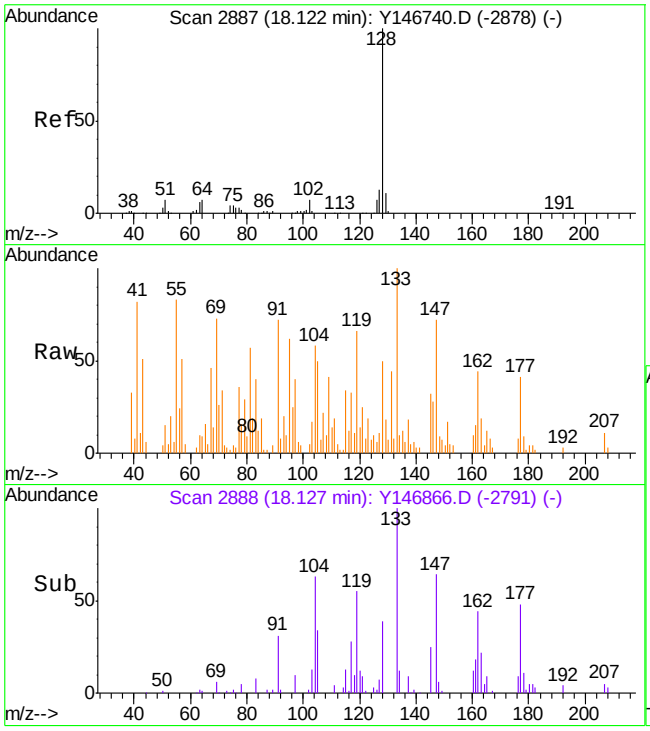


#125
n-butylbenzene
Concen: 2.33 ug/L
RT: 16.11 min Scan# 2502
Delta R.T. -0.00 min
Lab File: Y146866.D
Acq: 30 Jun 2014 2:49 pm

Tgt Ion: 92 Resp: 6567

Ion	Ratio	Lower	Upper
92	100		
91	180.1	148.2	208.2
134	41.2	14.8	74.8

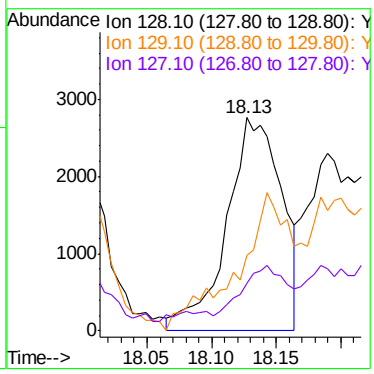




#132
naphthalene
Concen: 1.86 ug/L m
RT: 18.13 min Scan# 2888
Delta R.T. 0.00 min
Lab File: Y146866.D
Acq: 30 Jun 2014 2:49 pm

Tgt Ion:128 Resp: 8219

Ion	Ratio	Lower	Upper
128	100		
129	35.2	0.0	41.1
127	22.4	0.0	42.9



7.1.8

7

Manual Integration Approval Summary

Sample Number:	JB69926-8	**Method:**	SW846 8260C
Lab FileID:	Y146866.D	**Analyst approved:**	07/01/14 13:17 Dipa Patel
Injection Time:	06/30/14 14:49	**Supervisor approved:**	07/02/14 05:43 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		18.13	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146848.D
Acq On : 27 Jun 2014 8:25 pm
Operator : prashans
Sample : JB69926-9
Misc : MS69575,VY6381,6.1,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 30 16:47:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

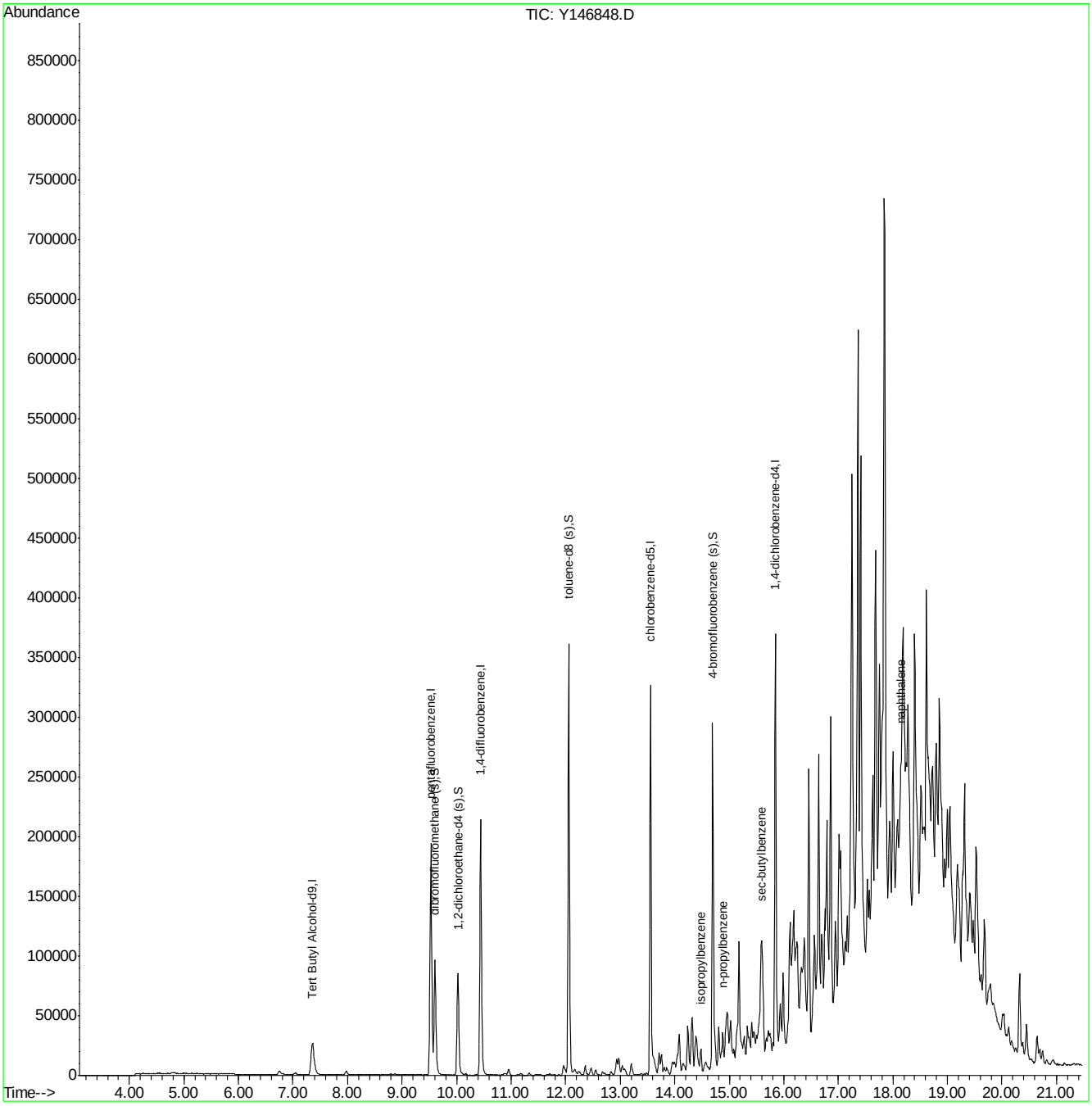
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	61842	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	189114	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	226748	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	196452	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	102620	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	74238	50.29	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 100.58%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	70573	45.23	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 90.46%			
80) toluene-d8 (s)	12.06	98	274842	52.41	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.82%			
105) 4-bromofluorobenzene (s)	14.70	95	103159	50.17	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 100.34%			
Target Compounds						Qvalue
104) isopropylbenzene	14.48	105	11508	1.70	ug/L	98
112) n-propylbenzene	14.88	91	18035	2.38	ug/L	98
120) sec-butylbenzene	15.58	105	17361	2.42	ug/L	98
132) naphthalene	18.14	128	9507	1.98	ug/L #	10

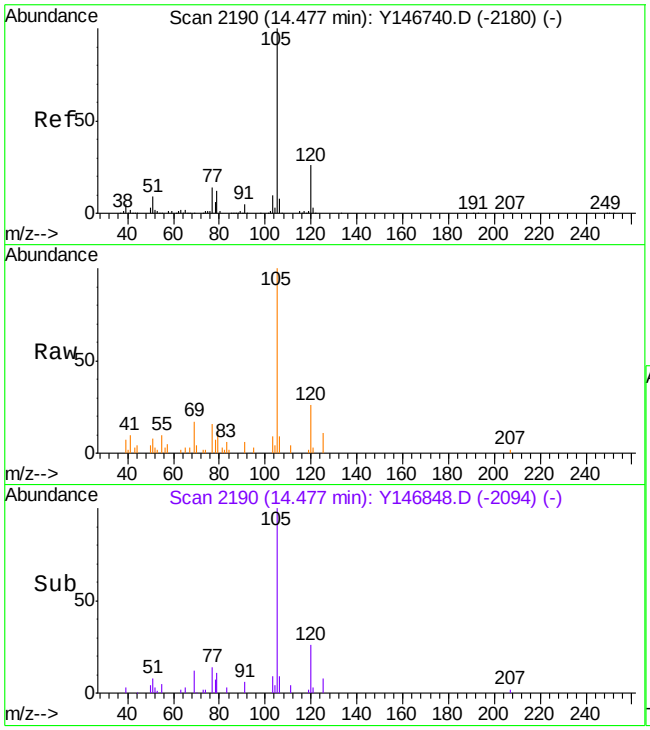
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146848.D
Acq On : 27 Jun 2014 8:25 pm
Operator : prashans
Sample : JB69926-9
Misc : MS69575,VY6381,6.1,,,,1
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 30 16:47:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

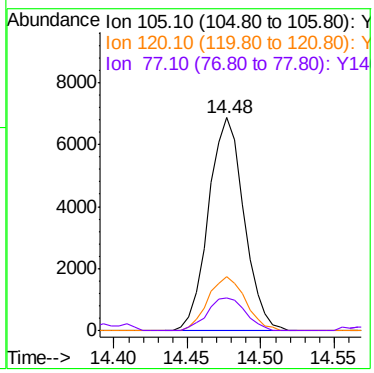


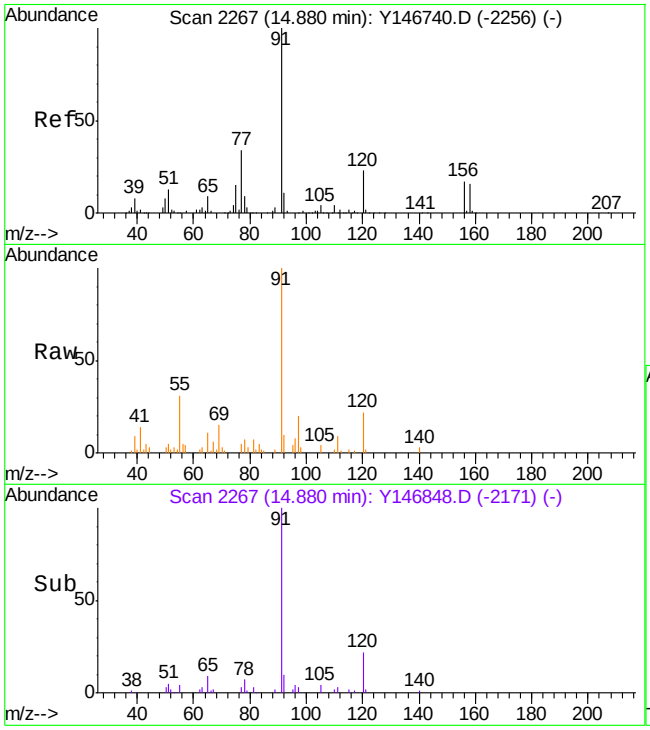


#104
isopropylbenzene
Concen: 1.70 ug/L
RT: 14.48 min Scan# 2190
Delta R.T. -0.00 min
Lab File: Y146848.D
Acq: 27 Jun 2014 8:25 pm

Tgt Ion:105 Resp: 11508

Ion	Ratio	Lower	Upper
105	100		
120	25.7	0.0	56.1
77	15.5	0.0	44.4

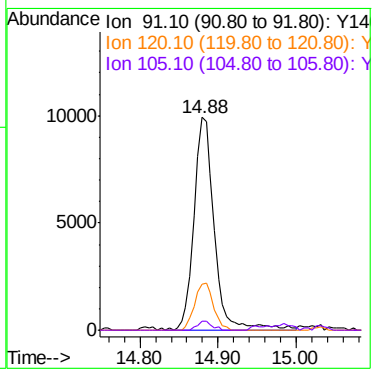


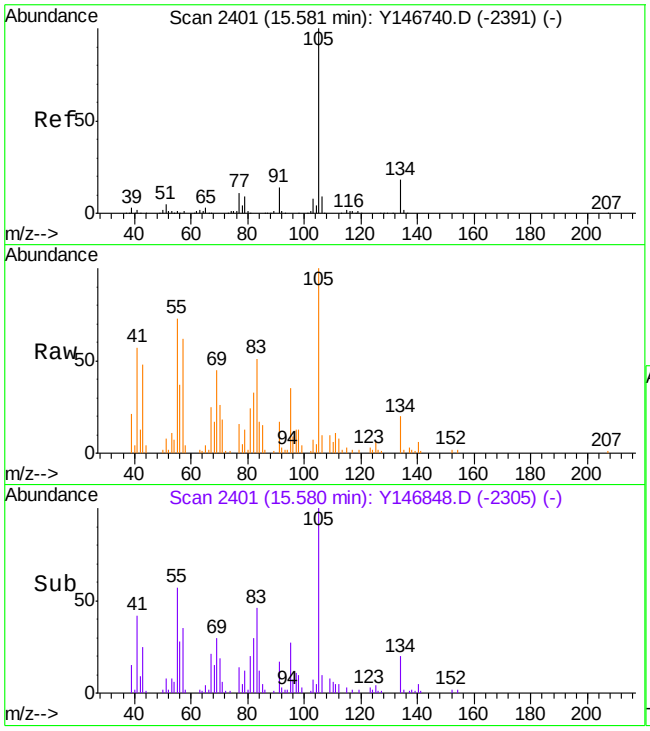


#112
n-propylbenzene
Concen: 2.38 ug/L
RT: 14.88 min Scan# 2267
Delta R.T. -0.00 min
Lab File: Y146848.D
Acq: 27 Jun 2014 8:25 pm

Tgt Ion: 91 Resp: 18035

Ion	Ratio	Lower	Upper
91	100		
120	21.9	0.0	52.7
105	4.3	0.0	33.6

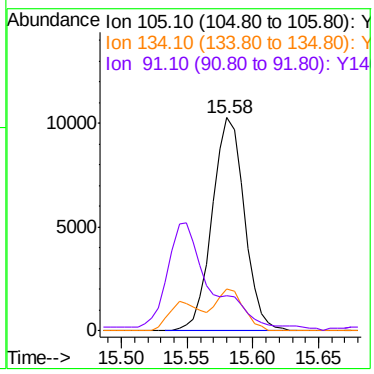


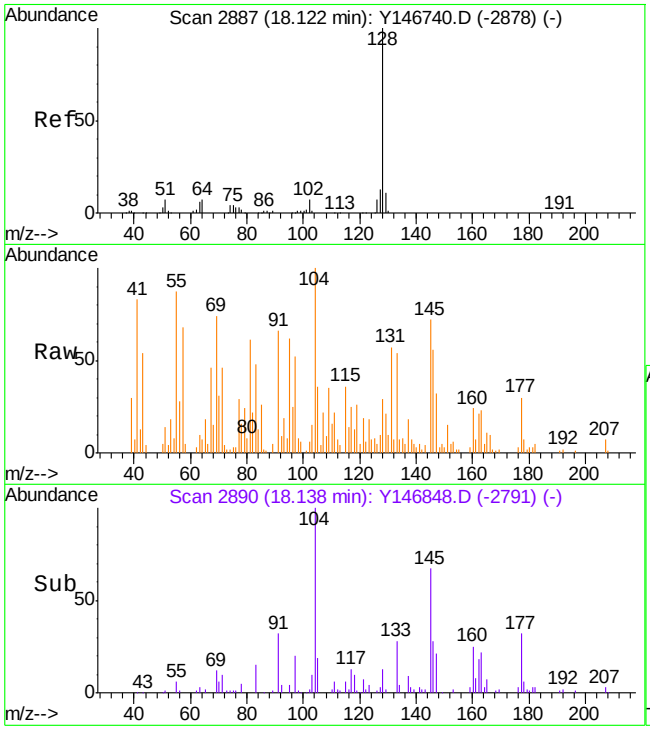


#120
sec-butylbenzene
Concen: 2.42 ug/L
RT: 15.58 min Scan# 2401
Delta R.T. -0.00 min
Lab File: Y146848.D
Acq: 27 Jun 2014 8:25 pm

Tgt Ion:105 Resp: 17361

Ion	Ratio	Lower	Upper
105	100		
134	19.6	0.0	47.7
91	14.4	0.0	44.5

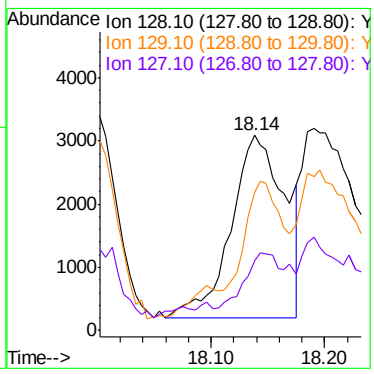




#132
naphthalene
Concen: 1.98 ug/L
RT: 18.14 min Scan# 2890
Delta R.T. 0.02 min
Lab File: Y146848.D
Acq: 27 Jun 2014 8:25 pm

Tgt Ion:128 Resp: 9507

Ion	Ratio	Lower	Upper
128	100		
129	68.4	0.0	41.1#
127	27.7	0.0	42.9



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 07/02/14 05:40

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146803.D
Acq On : 26 Jun 2014 3:36 pm
Operator : prashans
Sample : JB69926-10
Misc : MS69575,VY6380,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 02 16:24:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

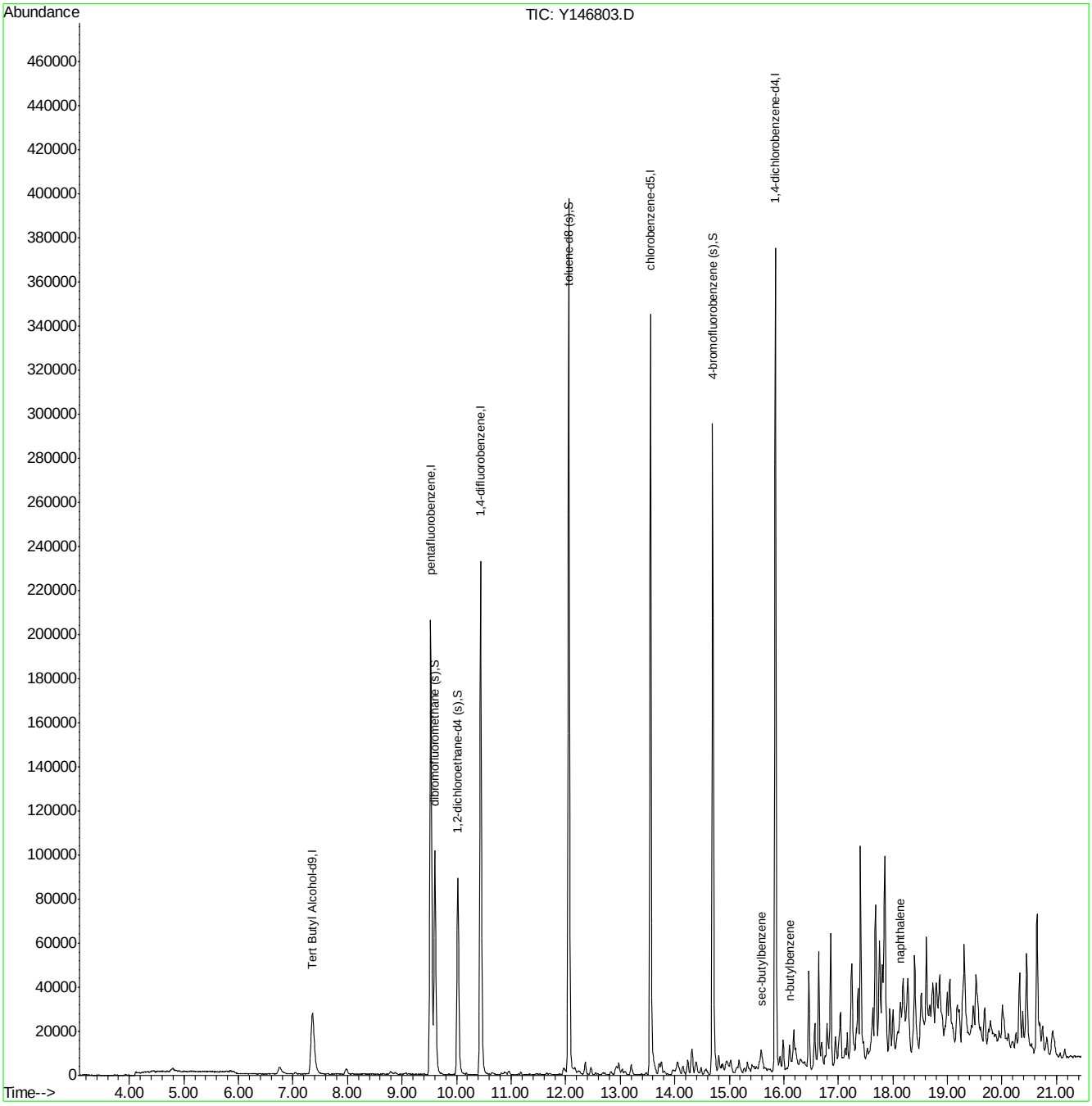
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	69091	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	202359	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	241876	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	207469	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	105975	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	78184	49.50	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 99.00%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	75779	45.39	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 90.78%			
80) toluene-d8 (s)	12.06	98	298276	53.32	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 106.64%			
105) 4-bromofluorobenzene (s)	14.70	95	104446	49.19	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 98.38%			
Target Compounds						Qvalue
120) sec-butylbenzene	15.58	105	3849	0.52	ug/L	96
125) n-butylbenzene	16.11	92	1121	0.35	ug/L	97
132) naphthalene	18.13	128	4531m	0.91	ug/L	

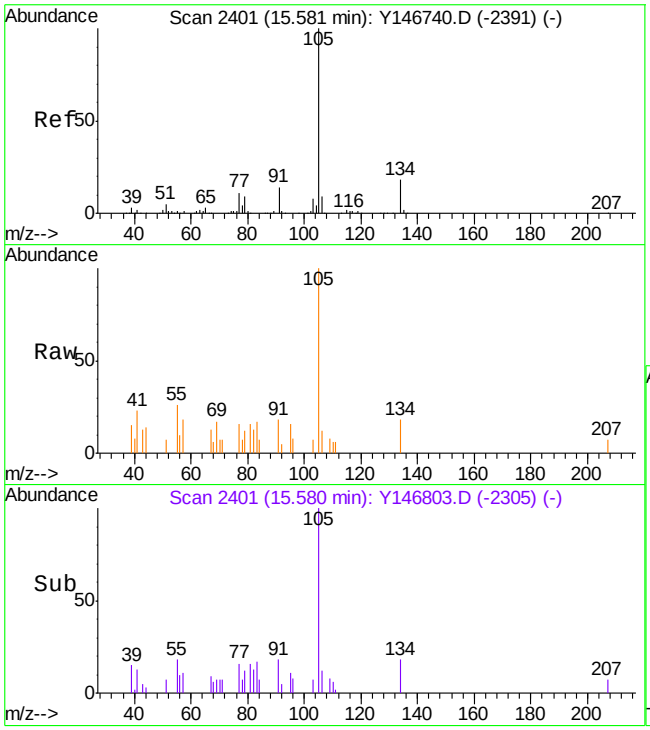
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146803.D
Acq On : 26 Jun 2014 3:36 pm
Operator : prashans
Sample : JB69926-10
Misc : MS69575,VY6380,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 02 16:24:24 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

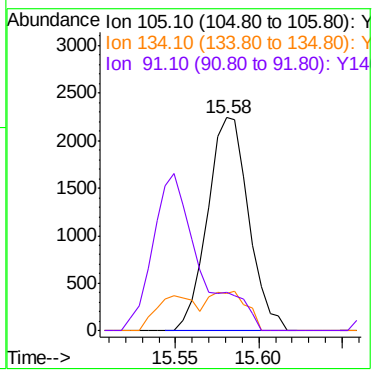


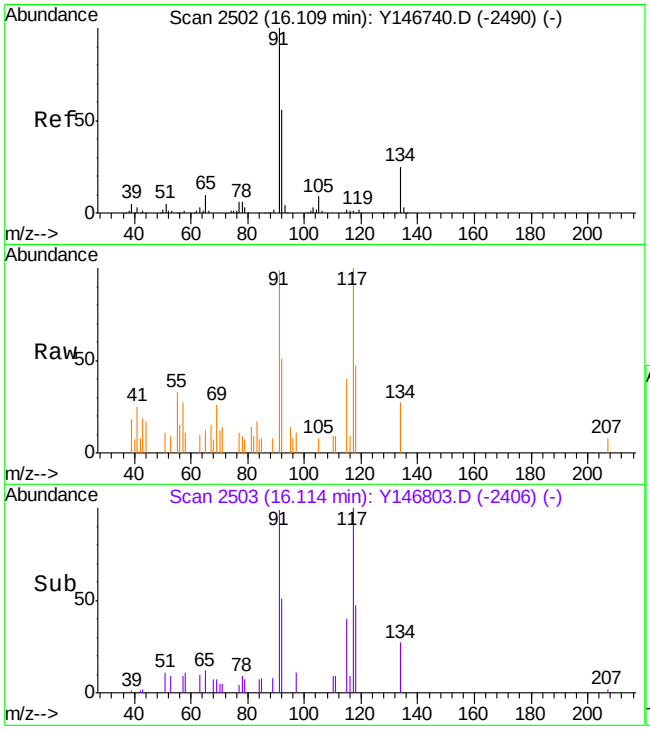


#120
sec-butylbenzene
Concen: 0.52 ug/L
RT: 15.58 min Scan# 2401
Delta R.T. -0.00 min
Lab File: Y146803.D
Acq: 26 Jun 2014 3:36 pm

Tgt Ion:105 Resp: 3849

Ion	Ratio	Lower	Upper
105	100		
134	17.5	0.0	47.7
91	17.9	0.0	44.5

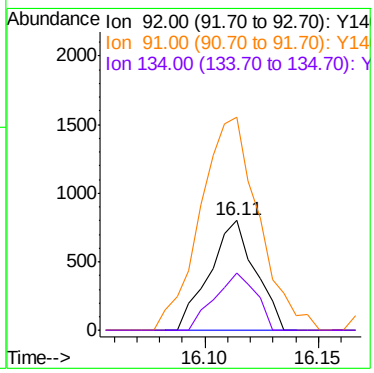


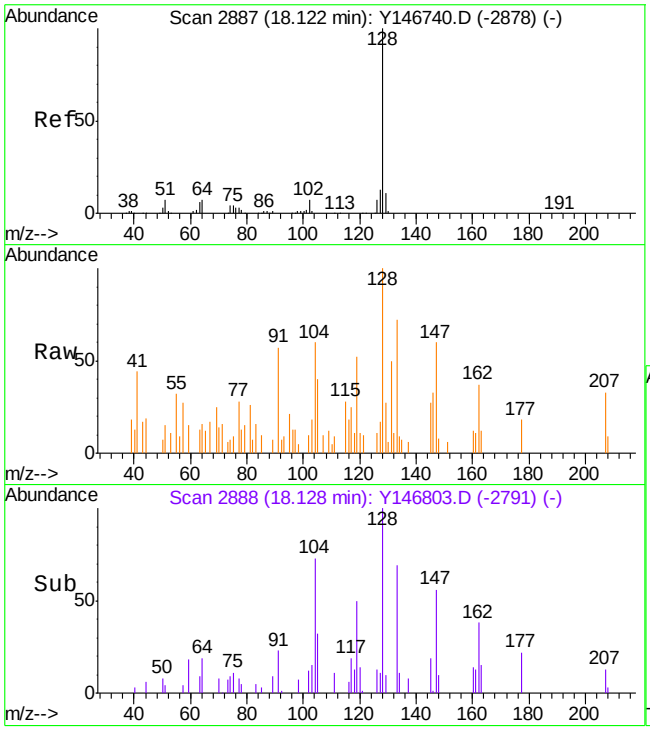


#125
n-butylbenzene
Concen: 0.35 ug/L
RT: 16.11 min Scan# 2503
Delta R.T. 0.01 min
Lab File: Y146803.D
Acq: 26 Jun 2014 3:36 pm

Tgt Ion: 92 Resp: 1121

Ion	Ratio	Lower	Upper
92	100		
91	179.6	148.2	208.2
134	52.2	14.8	74.8

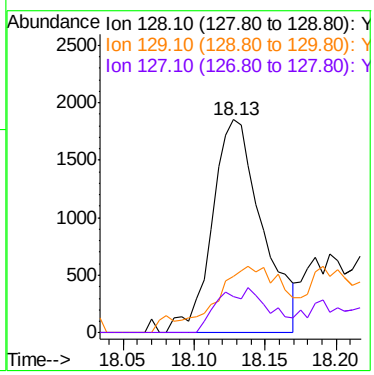




#132
naphthalene
Concen: 0.91 ug/L m
RT: 18.13 min Scan# 2888
Delta R.T. 0.01 min
Lab File: Y146803.D
Acq: 26 Jun 2014 3:36 pm

Tgt Ion:128 Resp: 4531

Ion	Ratio	Lower	Upper
128	100		
129	26.7	0.0	41.1
127	17.1	0.0	42.9



Manual Integration Approval Summary

Sample Number:	JB69926-10	**Method:**	SW846 8260C
Lab FileID:	Y146803.D	**Analyst approved:**	06/30/14 11:09 Dipa Patel
Injection Time:	06/26/14 15:36	**Supervisor approved:**	07/02/14 05:40 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Naphthalene	91-20-3		18.13	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120716.D
Acq On : 28 Jun 2014 1:56 am
Operator : payalr
Sample : jb69926-11
Misc : MS69576,V2B5478,w,,,,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 28 16:23:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

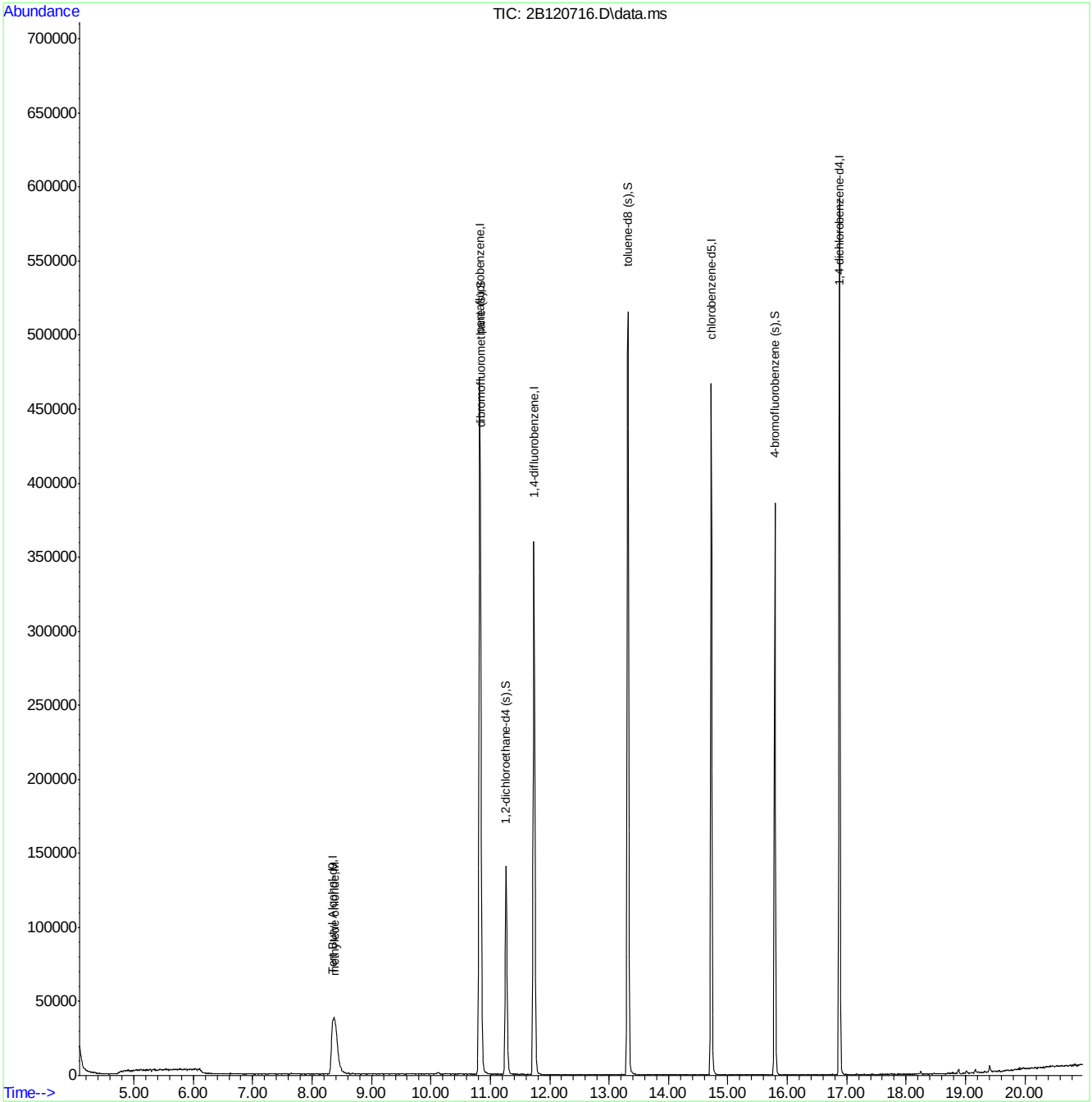
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.352	65	144455	500.00	ug/L	-0.01
5) pentafluorobenzene	10.822	168	316472	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.734	114	337458	50.00	ug/L	0.00
90) chlorobenzene-d5	14.723	117	267455	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.878	152	156023	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.832	113	115697	46.61	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 93.22%			
52) 1,2-dichloroethane-d4 (s)	11.262	65	106597	45.37	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 90.74%			
82) toluene-d8 (s)	13.318	98	345061	50.35	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 100.70%			
108) 4-bromofluorobenzene (s)	15.792	95	113798	48.04	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 96.08%			
Target Compounds						Qvalue
31) methylene chloride	8.384	84	2737	0.84	ug/L	87

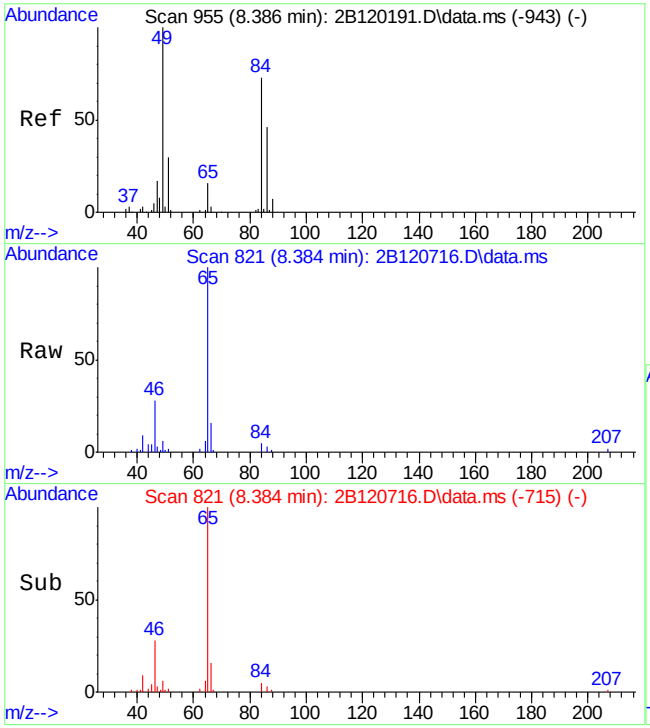
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120716.D
Acq On : 28 Jun 2014 1:56 am
Operator : payalr
Sample : jb69926-11
Misc : MS69576,V2B5478,w,,,,1
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 28 16:23:39 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

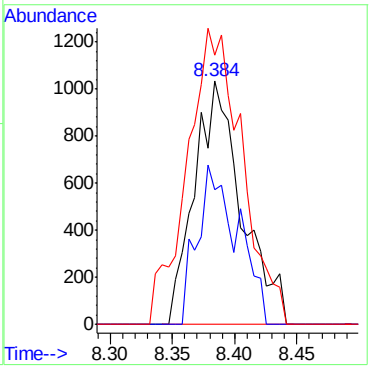




#31
methylene chloride
Concen: 0.84 ug/L
RT: 8.384 min Scan# 821
Delta R.T. -0.002 min
Lab File: 2B120716.D
Acq: 28 Jun 2014 1:56 am

Tgt Ion: 84 Resp: 2737

Ion	Ratio	Lower	Upper
84	100		
86	55.2	33.6	93.6
49	111.0	96.9	156.9



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120717.D
Acq On : 28 Jun 2014 2:27 am
Operator : payalr
Sample : jb69926-12
Misc : MS69576,V2B5478,w,,,,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 28 16:27:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

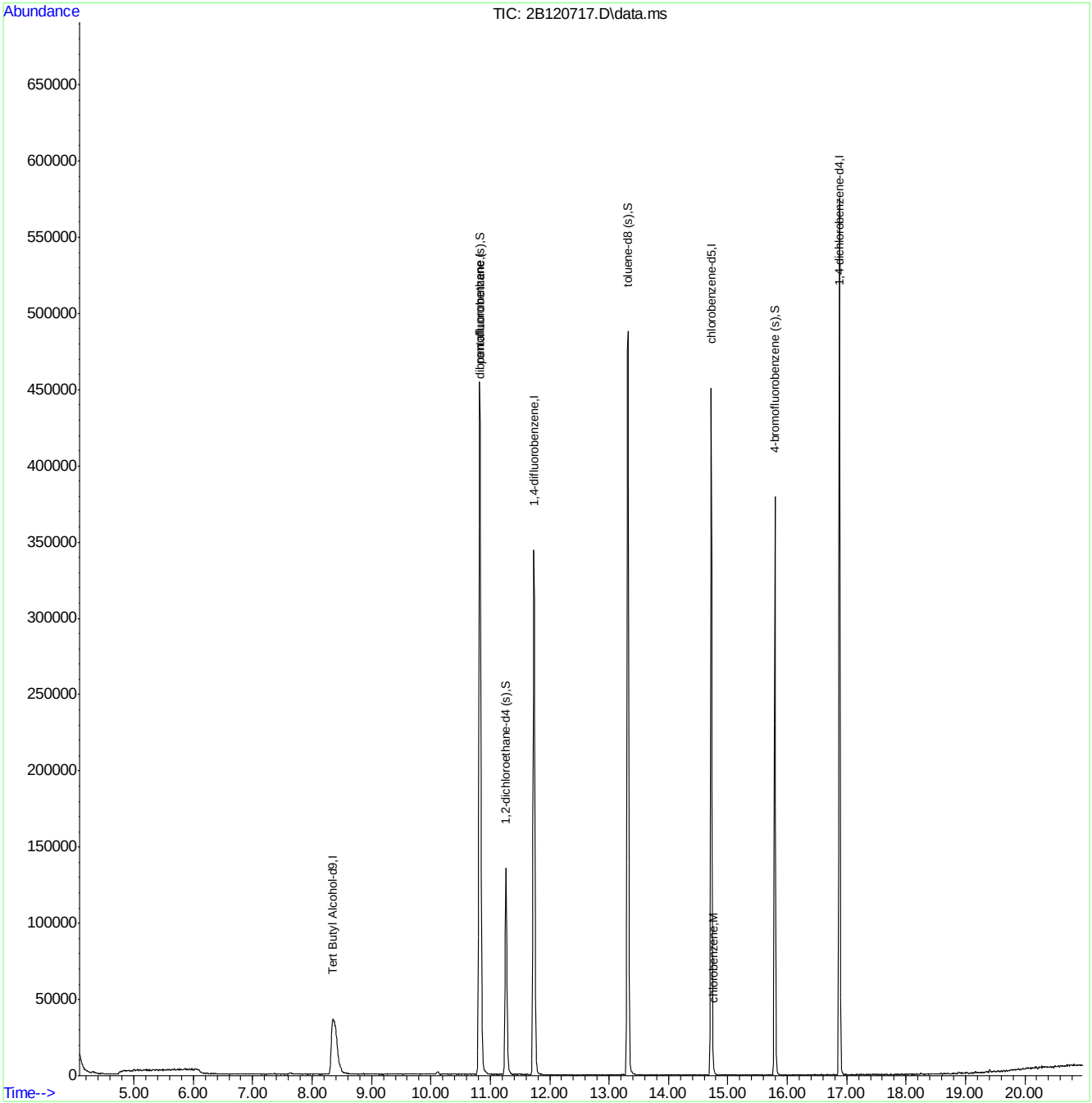
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.352	65	142161	500.00	ug/L	-0.01
5) pentafluorobenzene	10.817	168	302689	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.734	114	322283	50.00	ug/L	0.00
90) chlorobenzene-d5	14.717	117	257348	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.878	152	151297	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.827	113	112012	47.18	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 94.36%			
52) 1,2-dichloroethane-d4 (s)	11.262	65	103799	46.19	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 92.38%			
82) toluene-d8 (s)	13.318	98	331303	50.61	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 101.22%			
108) 4-bromofluorobenzene (s)	15.792	95	108863	47.39	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 94.78%			
Target Compounds						Qvalue
98) chlorobenzene	14.749	112	1213	0.26	ug/L	93

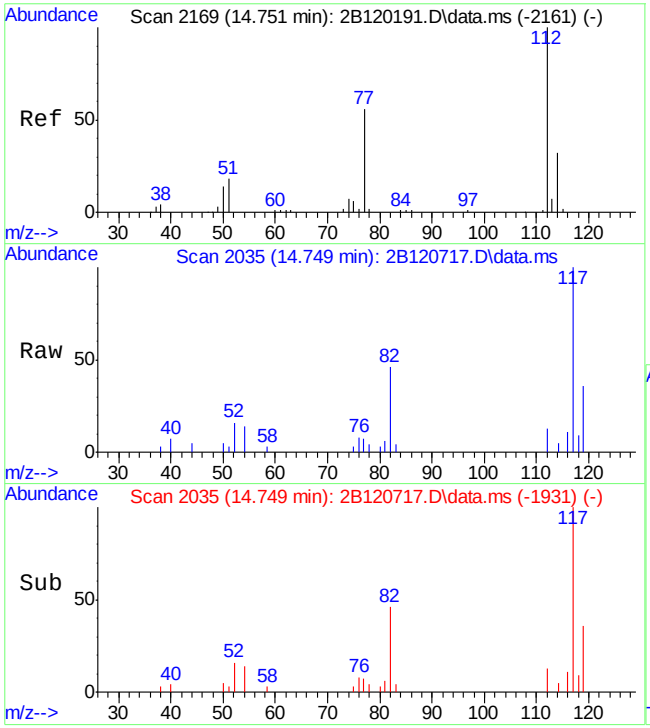
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120717.D
Acq On : 28 Jun 2014 2:27 am
Operator : payalr
Sample : jb69926-12
Misc : MS69576,V2B5478,w,,,,1
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 28 16:27:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

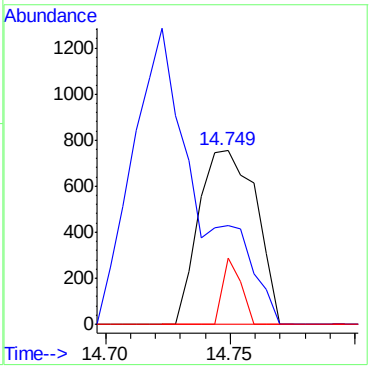




#98
chlorobenzene
Concen: 0.26 ug/L
RT: 14.749 min Scan# 2035
Delta R.T. -0.002 min
Lab File: 2B120717.D
Acq: 28 Jun 2014 2:27 am

Tgt Ion:112 Resp: 1213

Ion	Ratio	Lower	Upper
112	100		
77	56.8	22.7	82.7
114	37.9	2.8	62.8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146804.D
Acq On : 26 Jun 2014 4:04 pm
Operator : prashans
Sample : JB69926-13
Misc : MS69575,VY6380,6.4,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 15:13:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

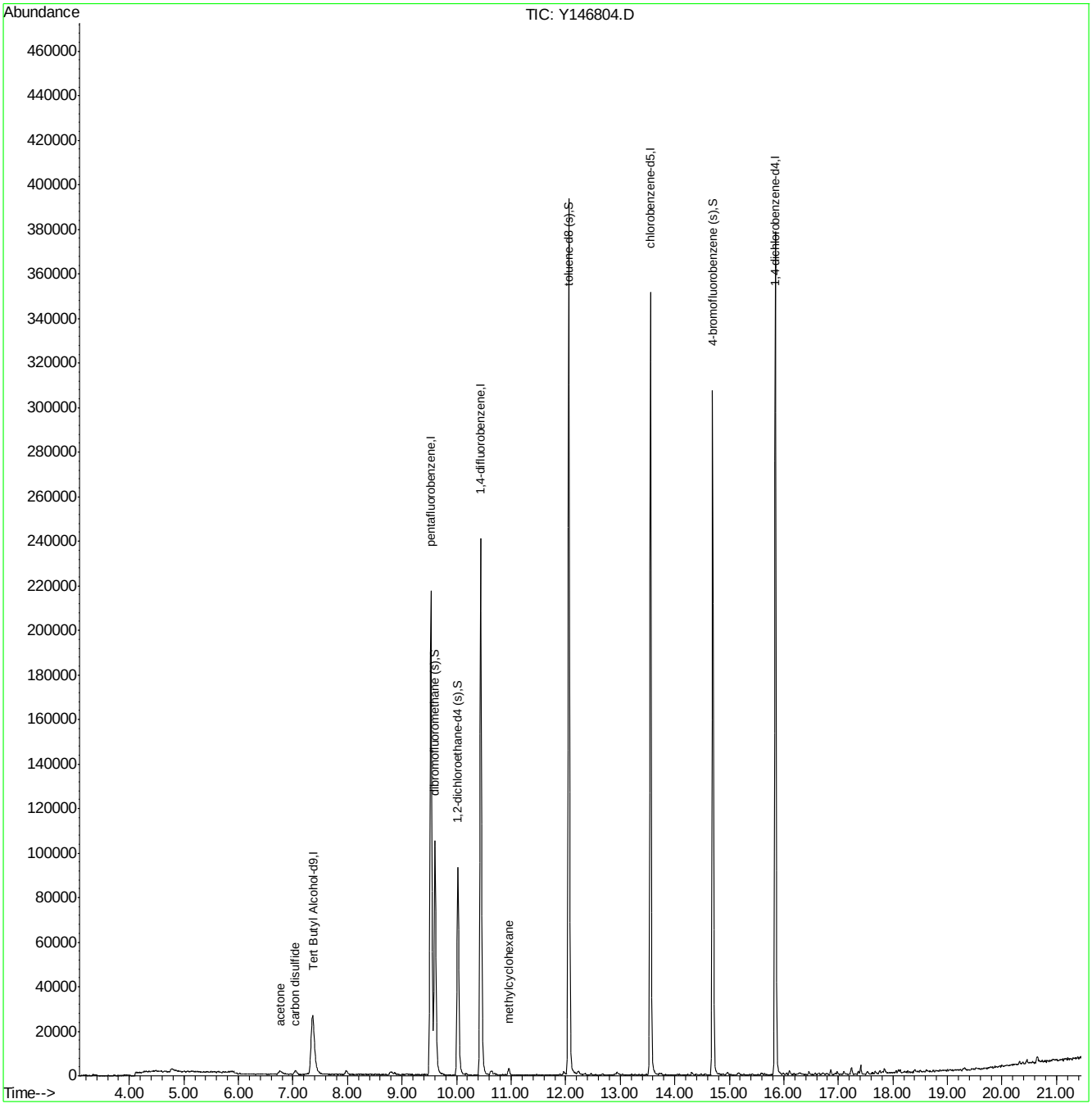
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	69742	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	209460	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	249008	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	212819	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	107300	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	80172	49.04	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 98.08%			
51) 1,2-dichloroethane-d4 (s)	10.03	65	77501	44.84	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.68%			
80) toluene-d8 (s)	12.06	98	302834	52.59	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.18%			
105) 4-bromofluorobenzene (s)	14.70	95	105298	48.98	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.96%			
Target Compounds						Qvalue
24) acetone	6.76	43	5567	5.93	ug/L	98
28) carbon disulfide	7.04	76	4324	0.82	ug/L	95
75) methylcyclohexane	10.96	83	1639	0.62	ug/L	94

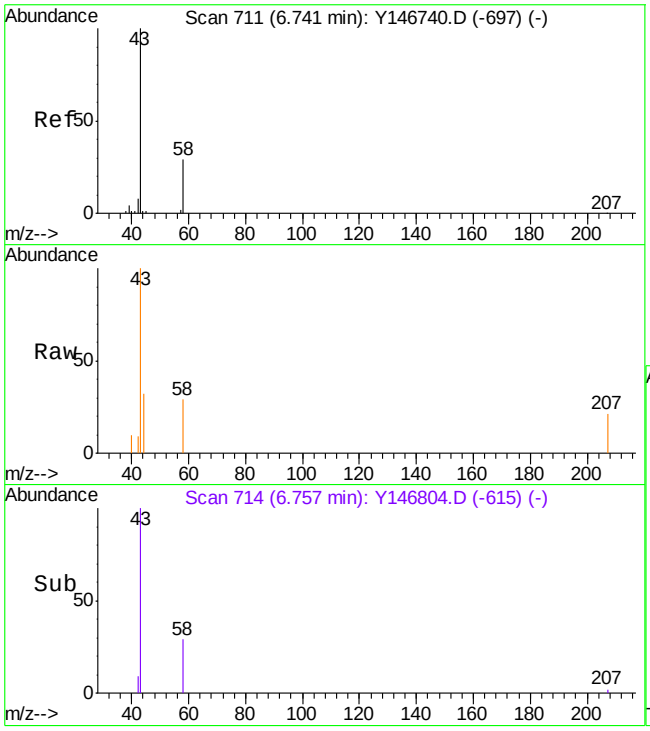
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146804.D
Acq On : 26 Jun 2014 4:04 pm
Operator : prashans
Sample : JB69926-13
Misc : MS69575,VY6380,6.4,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 15:13:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

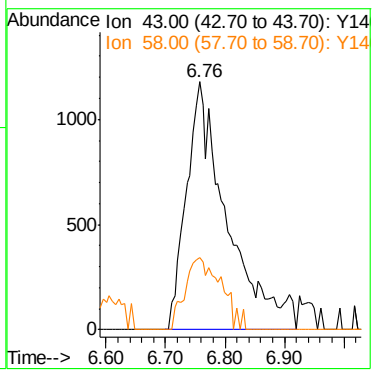


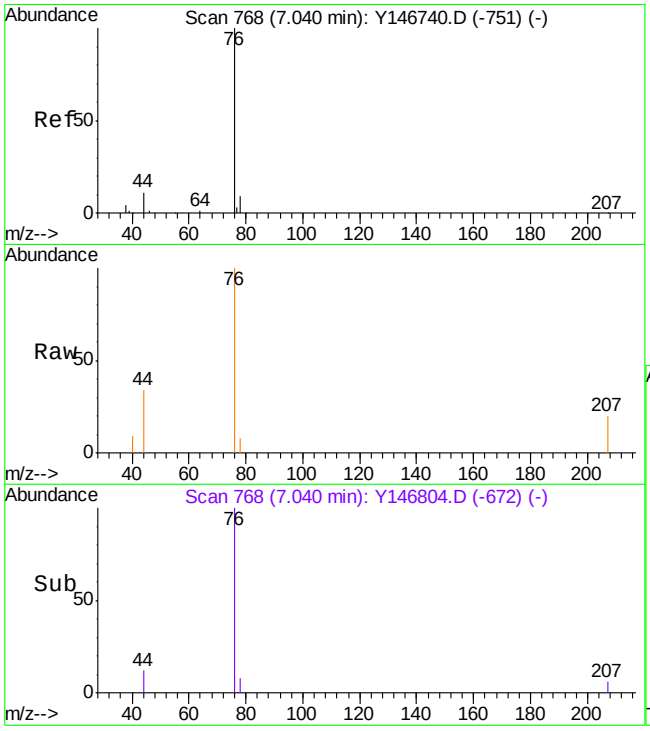


#24
acetone
Concen: 5.93 ug/L
RT: 6.76 min Scan# 714
Delta R.T. 0.02 min
Lab File: Y146804.D
Acq: 26 Jun 2014 4:04 pm

Tgt Ion: 43 Resp: 5567

Ion	Ratio	Lower	Upper
43	100		
58	29.4	0.0	58.3

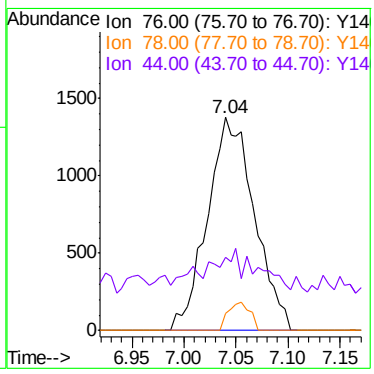


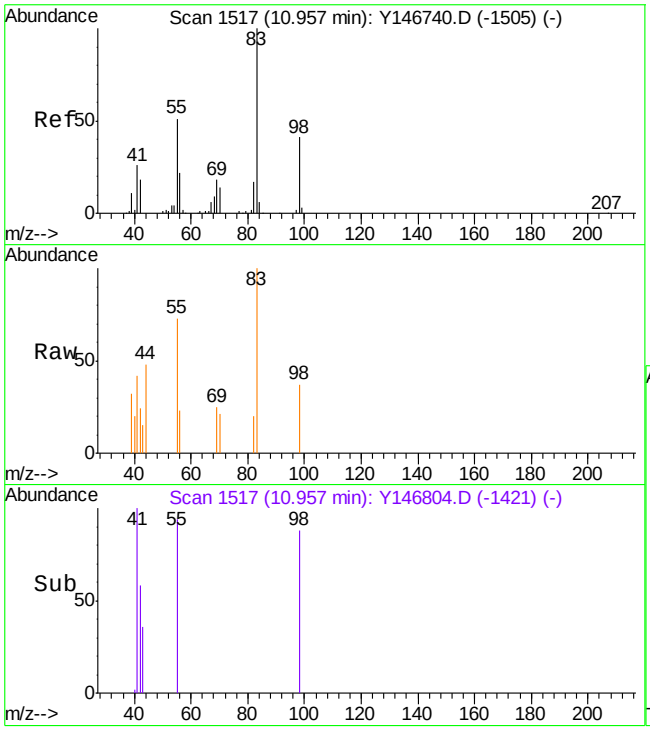


#28
carbon disulfide
Concen: 0.82 ug/L
RT: 7.04 min Scan# 768
Delta R.T. 0.00 min
Lab File: Y146804.D
Acq: 26 Jun 2014 4:04 pm

Tgt Ion: 76 Resp: 4324

Ion	Ratio	Lower	Upper
76	100		
78	7.8	0.0	39.1
44	8.6	0.0	41.1

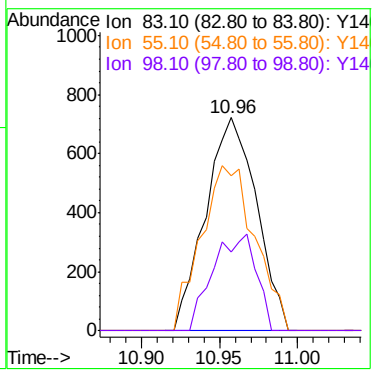




#75
methylcyclohexane
Concen: 0.62 ug/L
RT: 10.96 min Scan# 1517
Delta R.T. 0.00 min
Lab File: Y146804.D
Acq: 26 Jun 2014 4:04 pm

Tgt Ion: 83 Resp: 1639

Ion	Ratio	Lower	Upper
83	100		
55	72.7	47.9	107.9
98	36.8	11.4	71.4



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146814.D
Acq On : 26 Jun 2014 8:51 pm
Operator : prashans
Sample : JB69926-14
Misc : MS69575,VY6380,6.1,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 15:02:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

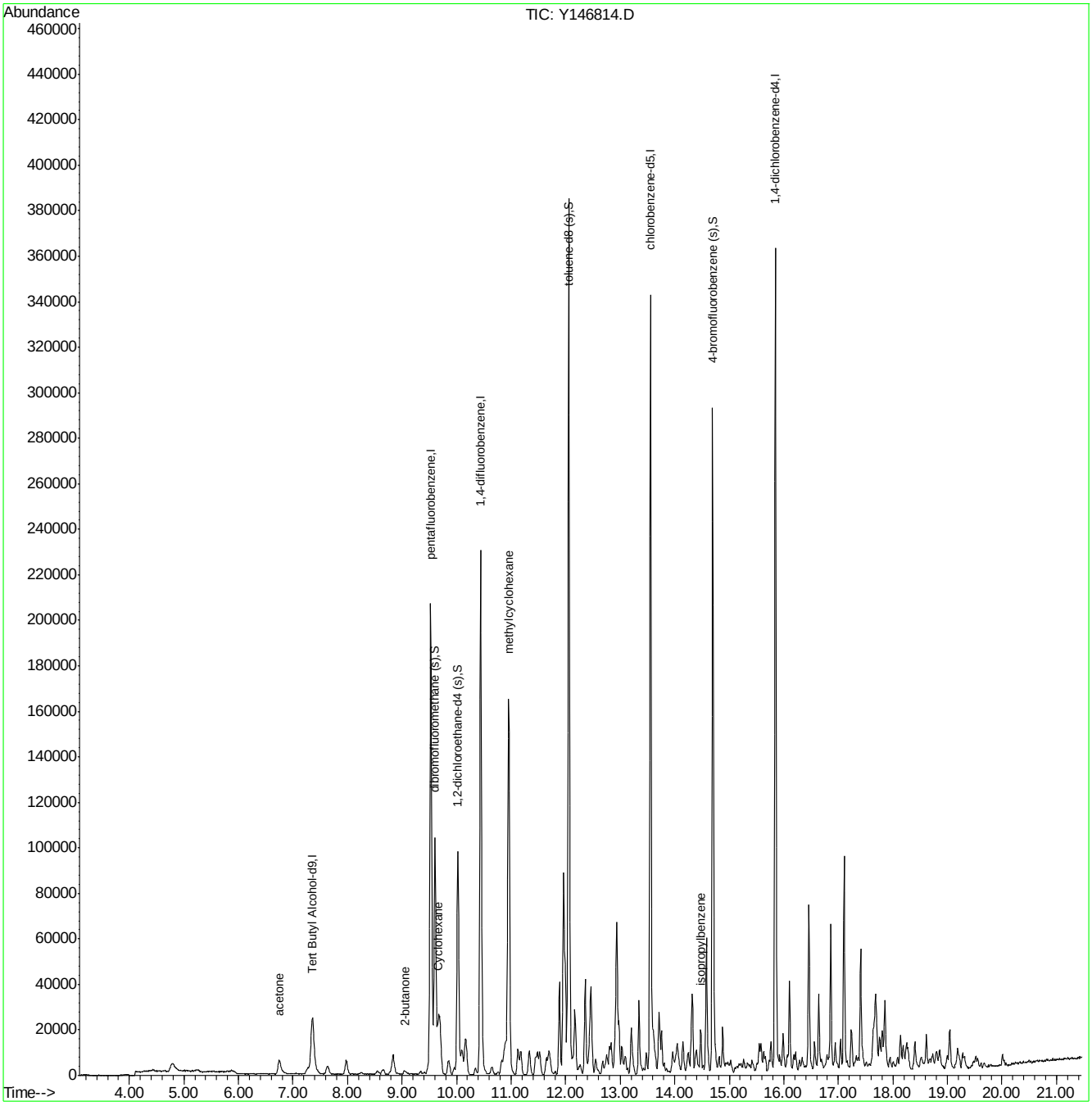
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	61118	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	198201	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	238813	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	203757	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	103080	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	77241	49.93	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 99.86%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	74521	45.57	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 91.14%				
80) toluene-d8 (s)	12.06	98	291870	52.85	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.70%				
105) 4-bromofluorobenzene (s)	14.70	95	101604	49.20	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 98.40%				
Target Compounds							Qvalue
24) acetone	6.75	43	18783	21.14	ug/L		98
36) 2-butanone	9.05	72	795	3.77	ug/L	#	30
55) Cyclohexane	9.67	84	12209	5.59	ug/L	#	89
75) methylcyclohexane	10.96	83	90201	35.78	ug/L		97
104) isopropylbenzene	14.48	105	12507	1.84	ug/L		98

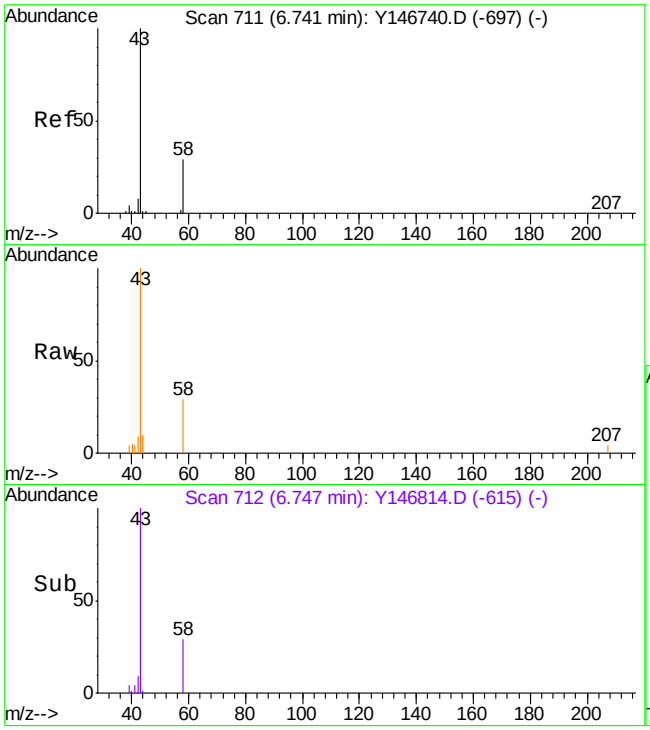
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146814.D
Acq On : 26 Jun 2014 8:51 pm
Operator : prashans
Sample : JB69926-14
Misc : MS69575,VY6380,6.1,,,,1
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 15:02:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

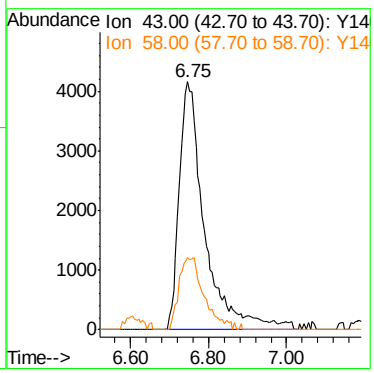


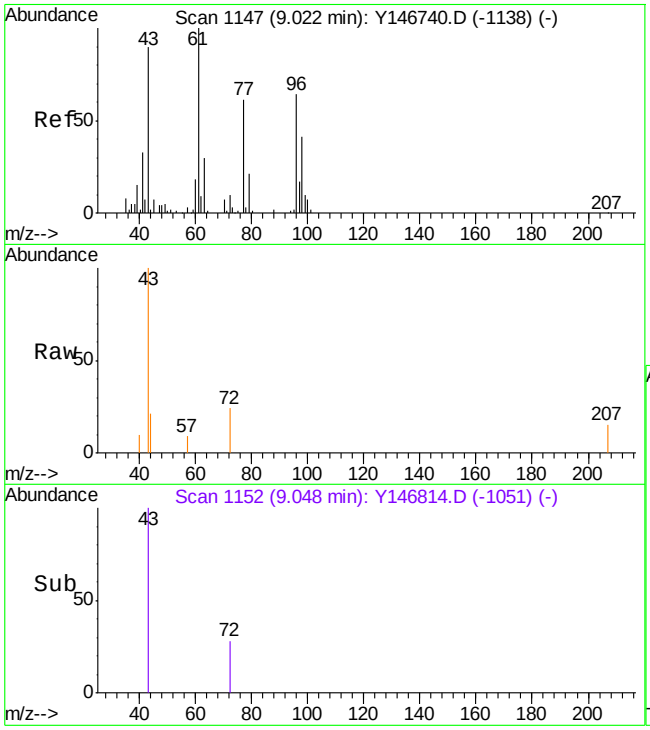


#24
acetone
Concen: 21.14 ug/L
RT: 6.75 min Scan# 712
Delta R.T. 0.01 min
Lab File: Y146814.D
Acq: 26 Jun 2014 8:51 pm

Tgt Ion: 43 Resp: 18783

Ion	Ratio	Lower	Upper
43	100		
58	29.3	0.0	58.3

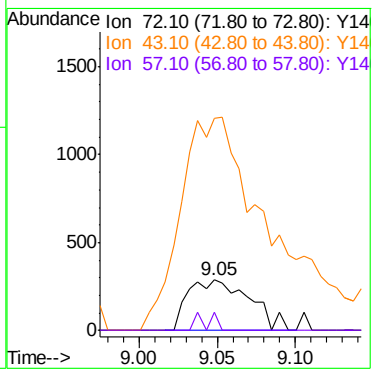


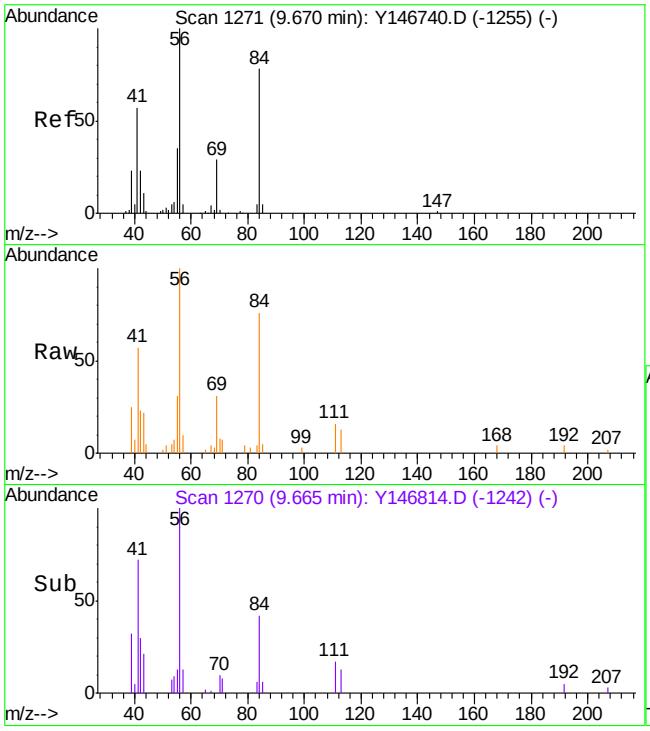


#36
2-butanone
Concen: 3.77 ug/L
RT: 9.05 min Scan# 1152
Delta R.T. 0.03 min
Lab File: Y146814.D
Acq: 26 Jun 2014 8:51 pm

Tgt Ion: 72 Resp: 795

Ion	Ratio	Lower	Upper
72	100		
43	740.9	747.4	1388.0#
57	0.0	31.6	58.6#

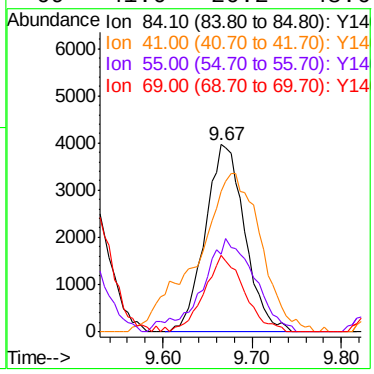


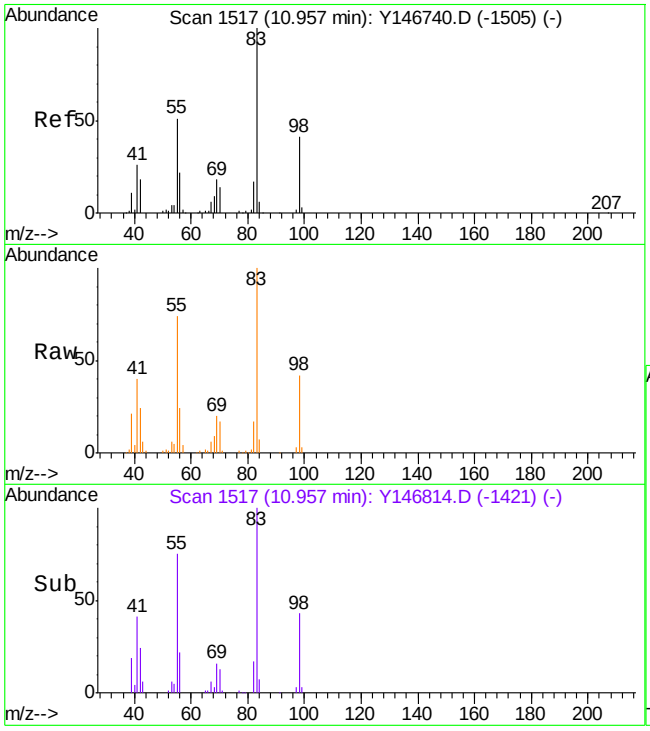


#55
Cyclohexane
Concen: 5.59 ug/L
RT: 9.67 min Scan# 1270
Delta R.T. -0.01 min
Lab File: Y146814.D
Acq: 26 Jun 2014 8:51 pm

Tgt Ion: 84 Resp: 12209

Ion	Ratio	Lower	Upper
84	100		
41	136.1	0.0	0.0#
55	65.0	38.5	71.5
69	41.0	26.2	48.6

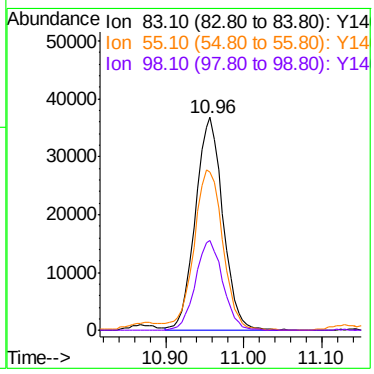


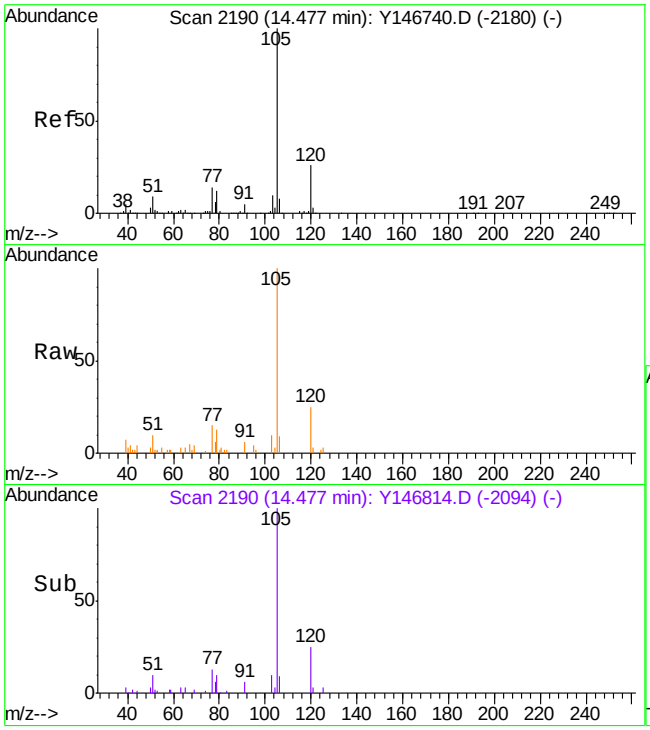


#75
methylcyclohexane
Concen: 35.78 ug/L
RT: 10.96 min Scan# 1517
Delta R.T. 0.00 min
Lab File: Y146814.D
Acq: 26 Jun 2014 8:51 pm

Tgt Ion: 83 Resp: 90201

Ion	Ratio	Lower	Upper
83	100		
55	74.4	47.9	107.9
98	42.1	11.4	71.4

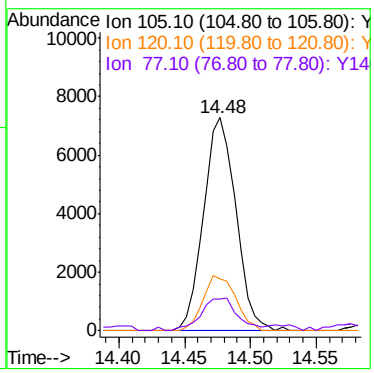




#104
isopropylbenzene
Concen: 1.84 ug/L
RT: 14.48 min Scan# 2190
Delta R.T. 0.00 min
Lab File: Y146814.D
Acq: 26 Jun 2014 8:51 pm

Tgt Ion:105 Resp: 12507

Ion	Ratio	Lower	Upper
105	100		
120	24.5	0.0	56.1
77	14.7	0.0	44.4



7.1.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146805.D
Acq On : 26 Jun 2014 4:33 pm
Operator : prashans
Sample : JB69926-15
Misc : MS69575,VY6380,6.2,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 15:14:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

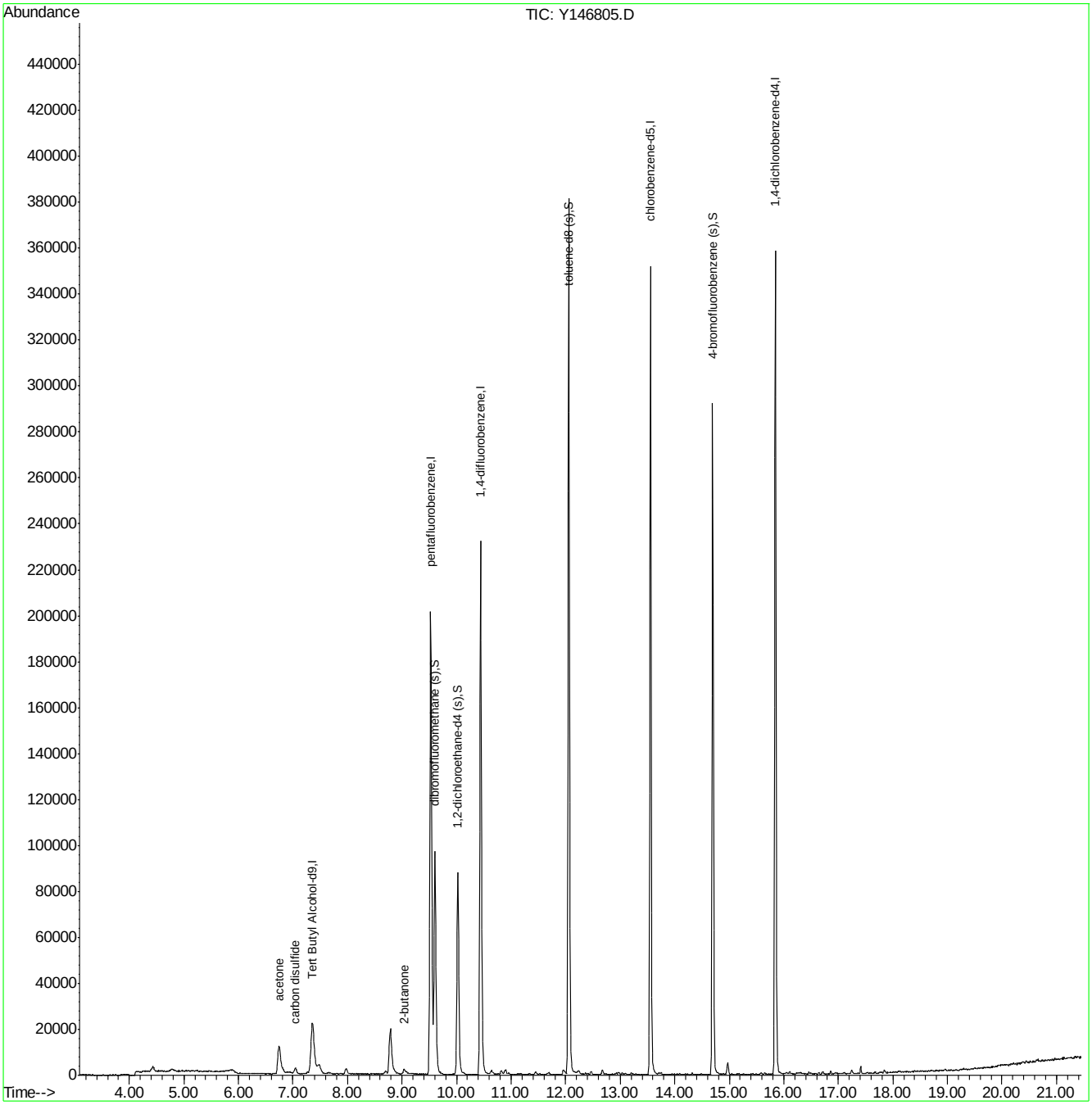
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	58061	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	198739	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	240465	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	206904	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	104656	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	76652	49.42	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 98.84%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	73691	44.94	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.88%			
80) toluene-d8 (s)	12.06	98	293383	52.76	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.52%			
105) 4-bromofluorobenzene (s)	14.70	95	102888	49.07	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 98.14%			
Target Compounds						Qvalue
24) acetone	6.74	43	36386	40.85	ug/L	98
28) carbon disulfide	7.03	76	5548	1.11	ug/L	90
36) 2-butanone	9.04	72	1171	5.54	ug/L #	1

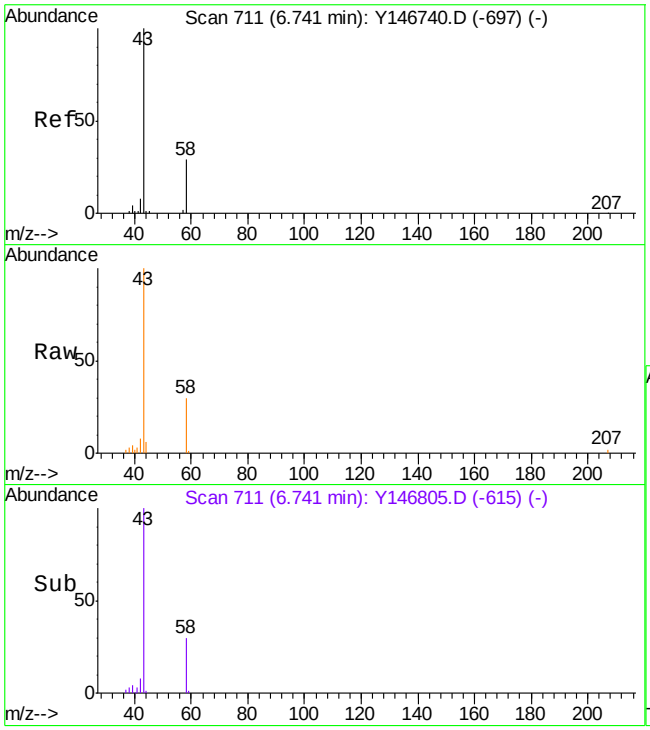
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146805.D
Acq On : 26 Jun 2014 4:33 pm
Operator : prashans
Sample : JB69926-15
Misc : MS69575,VY6380,6.2,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 15:14:32 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

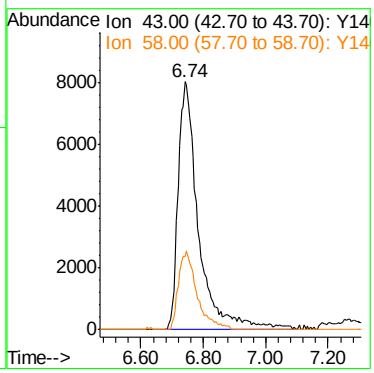


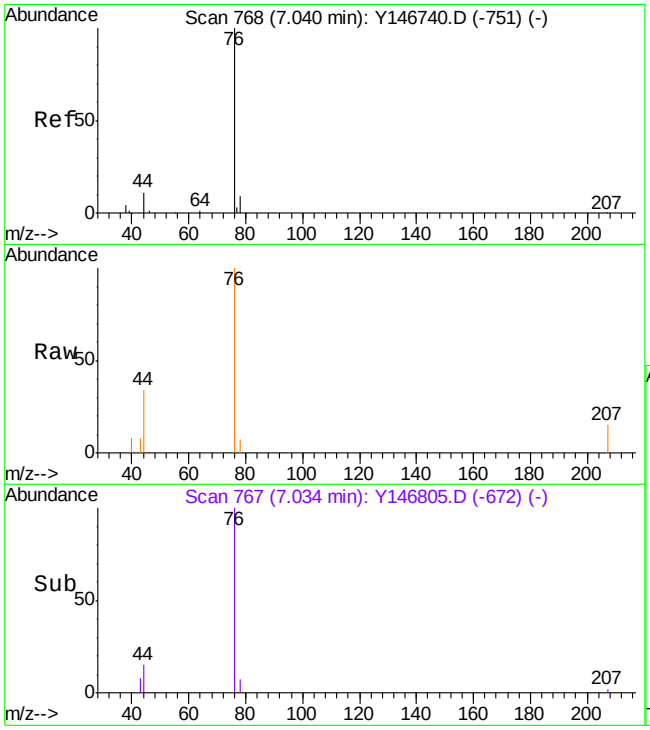


#24
acetone
Concen: 40.85 ug/L
RT: 6.74 min Scan# 711
Delta R.T. 0.00 min
Lab File: Y146805.D
Acq: 26 Jun 2014 4:33 pm

Tgt Ion: 43 Resp: 36386

Ion	Ratio	Lower	Upper
43	100		
58	29.5	0.0	58.3

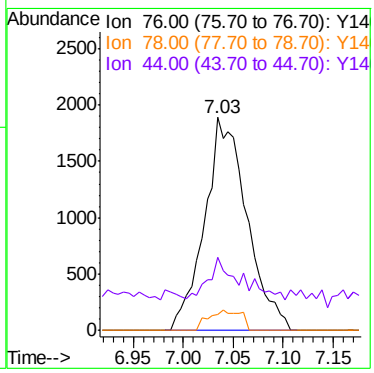


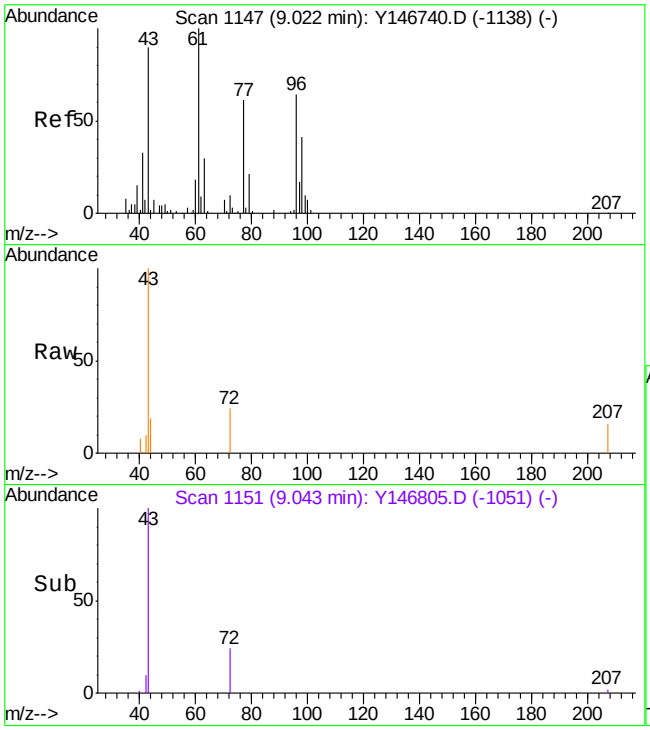


#28
carbon disulfide
Concen: 1.11 ug/L
RT: 7.03 min Scan# 767
Delta R.T. -0.01 min
Lab File: Y146805.D
Acq: 26 Jun 2014 4:33 pm

Tgt Ion: 76 Resp: 5548

Ion	Ratio	Lower	Upper
76	100		
78	7.4	0.0	39.1
44	16.5	0.0	41.1

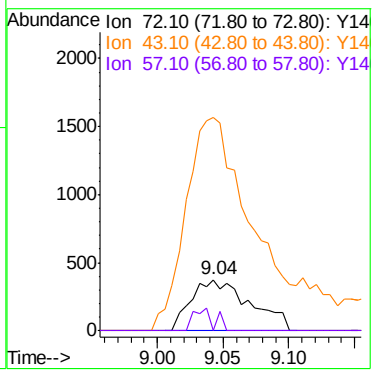




#36
2-butanone
Concen: 5.54 ug/L
RT: 9.04 min Scan# 1151
Delta R.T. 0.02 min
Lab File: Y146805.D
Acq: 26 Jun 2014 4:33 pm

Tgt Ion: 72 Resp: 1171

Ion	Ratio	Lower	Upper
72	100		
43	579.5	747.4	1388.0#
57	0.0	31.6	58.6#



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146806.D
Acq On : 26 Jun 2014 5:01 pm
Operator : prashans
Sample : JB69926-16
Misc : MS69575,VY6380,6.7,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 15:15:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

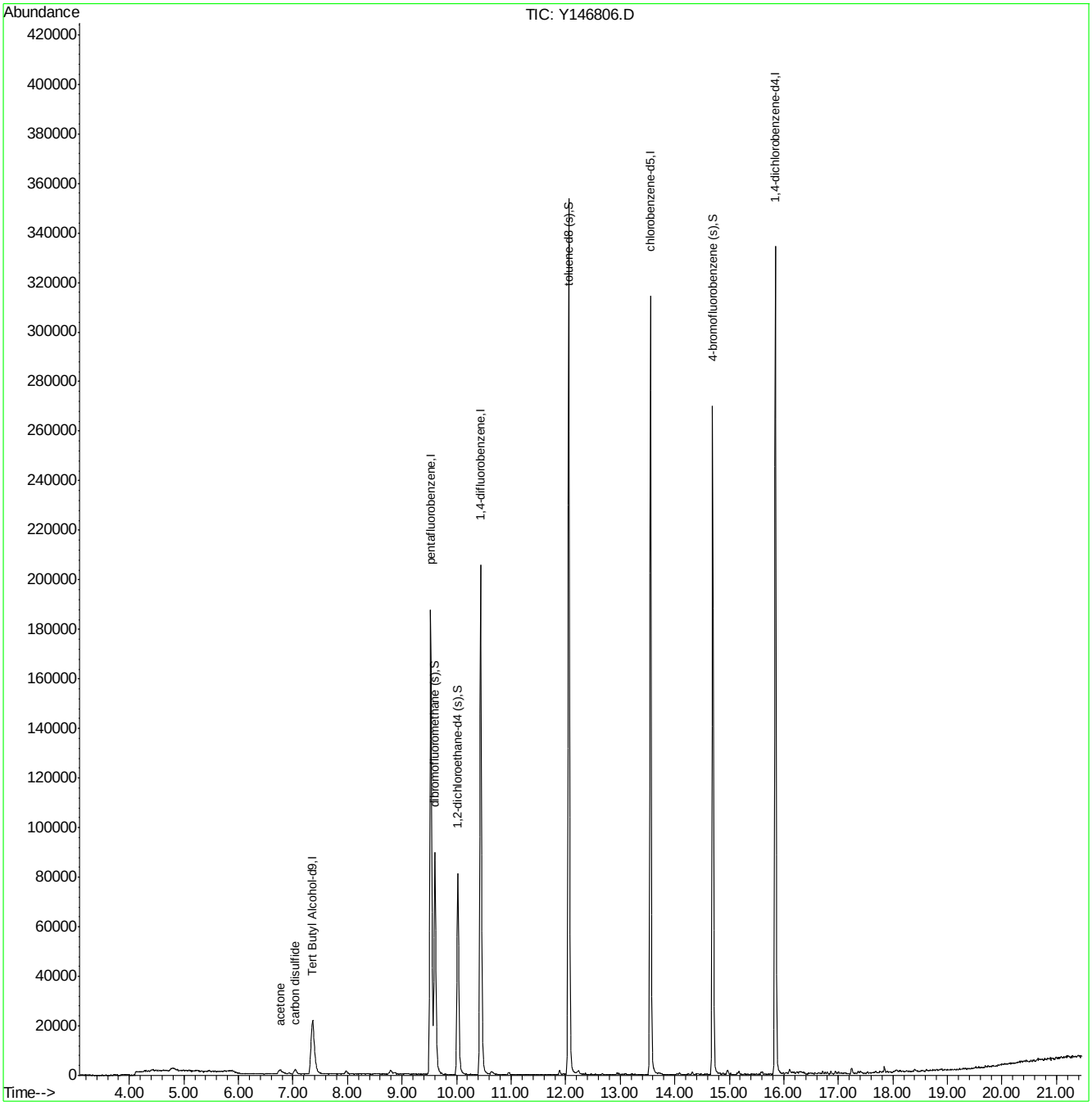
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	56520	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	182605	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	217798	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	188836	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	96828	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	70404	49.40	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 98.80%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	66713	44.28	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.56%			
80) toluene-d8 (s)	12.06	98	266386	52.89	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.78%			
105) 4-bromofluorobenzene (s)	14.70	95	93191	48.04	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.08%			
Target Compounds						Qvalue
24) acetone	6.76	43	6246	7.63	ug/L	98
28) carbon disulfide	7.04	76	4280	0.93	ug/L	94

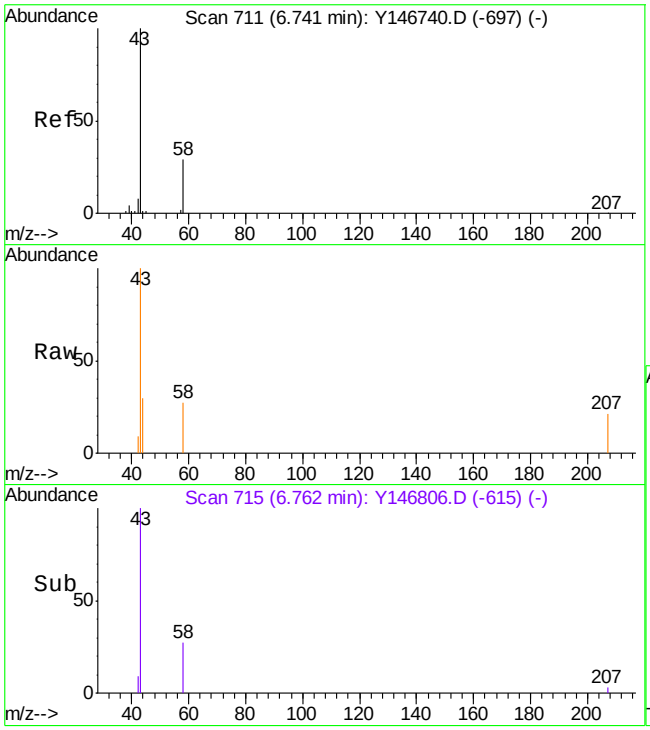
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146806.D
Acq On : 26 Jun 2014 5:01 pm
Operator : prashans
Sample : JB69926-16
Misc : MS69575,VY6380,6.7,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 15:15:08 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

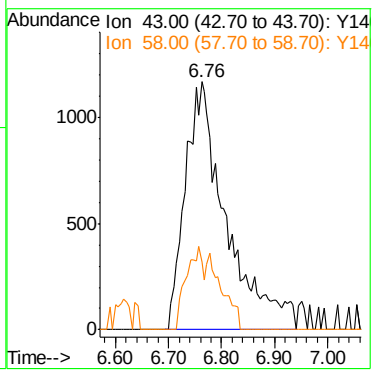


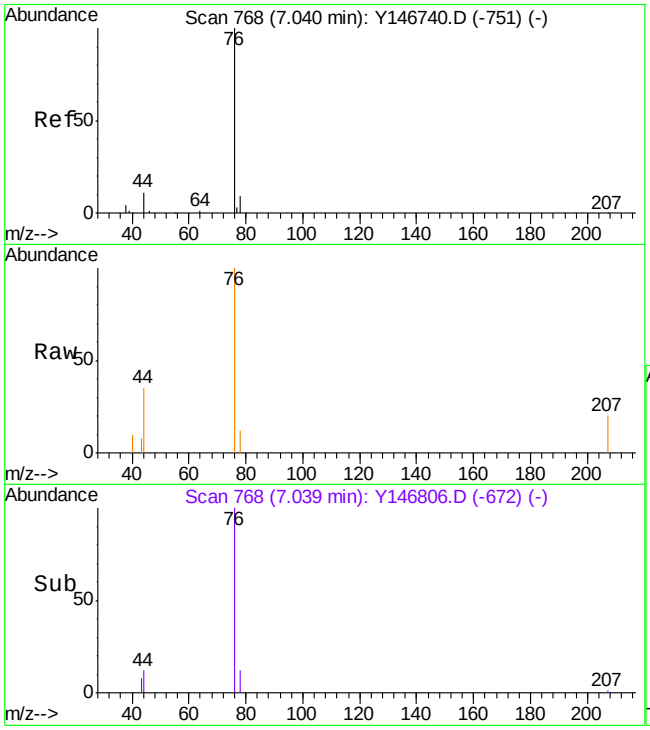


#24
acetone
Concen: 7.63 ug/L
RT: 6.76 min Scan# 715
Delta R.T. 0.02 min
Lab File: Y146806.D
Acq: 26 Jun 2014 5:01 pm

Tgt Ion: 43 Resp: 6246

Ion	Ratio	Lower	Upper
43	100		
58	27.5	0.0	58.3

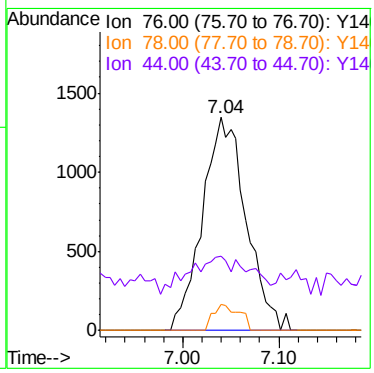




#28
carbon disulfide
Concen: 0.93 ug/L
RT: 7.04 min Scan# 768
Delta R.T. -0.00 min
Lab File: Y146806.D
Acq: 26 Jun 2014 5:01 pm

Tgt Ion: 76 Resp: 4280

Ion	Ratio	Lower	Upper
76	100		
78	12.2	0.0	39.1
44	9.5	0.0	41.1



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146807.D
Acq On : 26 Jun 2014 5:30 pm
Operator : prashans
Sample : JB69926-17
Misc : MS69575,VY6380,6.5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 15:15:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

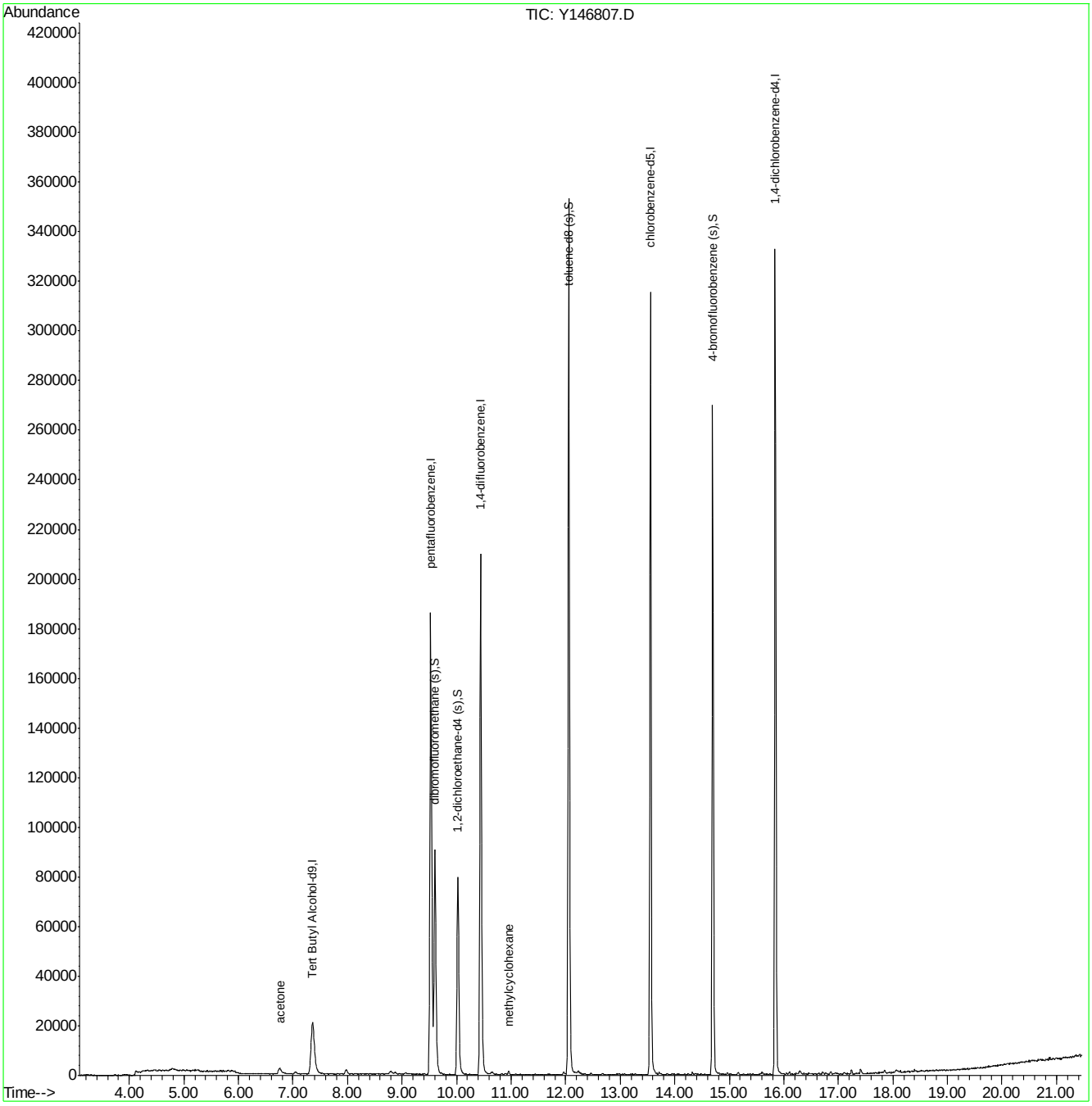
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	54611	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	184130	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	219202	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	187586	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	96648	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	71272	49.59	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 99.18%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	68038	44.78	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.56%			
80) toluene-d8 (s)	12.06	98	268448	52.96	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.92%			
105) 4-bromofluorobenzene (s)	14.70	95	92372	47.70	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.40%			
Target Compounds						Qvalue
24) acetone	6.76	43	7631	9.25	ug/L	90
75) methylcyclohexane	10.96	83	759	0.33	ug/L	99

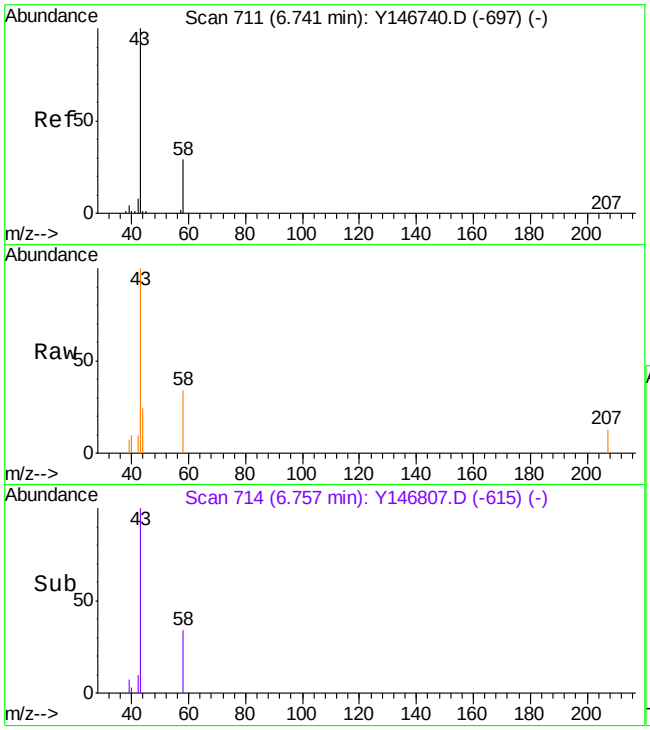
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146807.D
Acq On : 26 Jun 2014 5:30 pm
Operator : prashans
Sample : JB69926-17
Misc : MS69575,VY6380,6.5,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 15:15:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

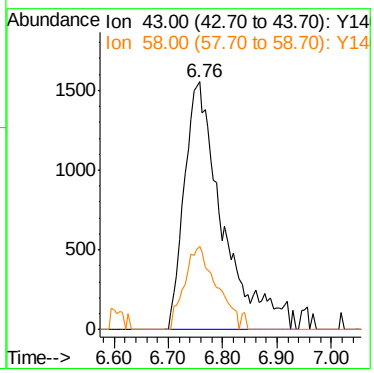


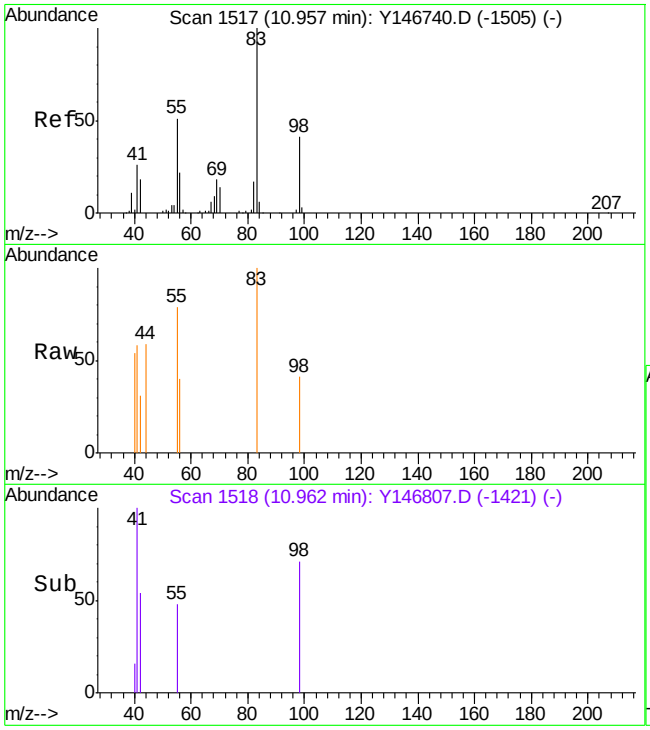


#24
acetone
Concen: 9.25 ug/L
RT: 6.76 min Scan# 714
Delta R.T. 0.02 min
Lab File: Y146807.D
Acq: 26 Jun 2014 5:30 pm

Tgt Ion: 43 Resp: 7631

Ion	Ratio	Lower	Upper
43	100		
58	33.5	0.0	58.3

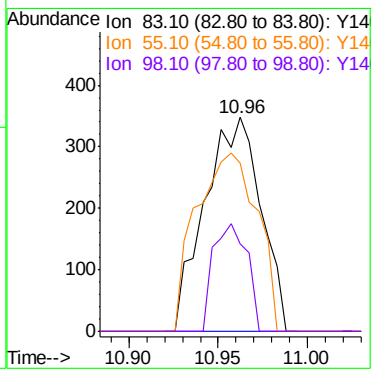




#75
methylcyclohexane
Concen: 0.33 ug/L
RT: 10.96 min Scan# 1518
Delta R.T. 0.01 min
Lab File: Y146807.D
Acq: 26 Jun 2014 5:30 pm

Tgt Ion: 83 Resp: 759

Ion	Ratio	Lower	Upper
83	100		
55	78.7	47.9	107.9
98	40.8	11.4	71.4



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146813.D
Acq On : 26 Jun 2014 8:22 pm
Operator : prashans
Sample : JB69926-18
Misc : MS69575,VY6380,5.8,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 15:05:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

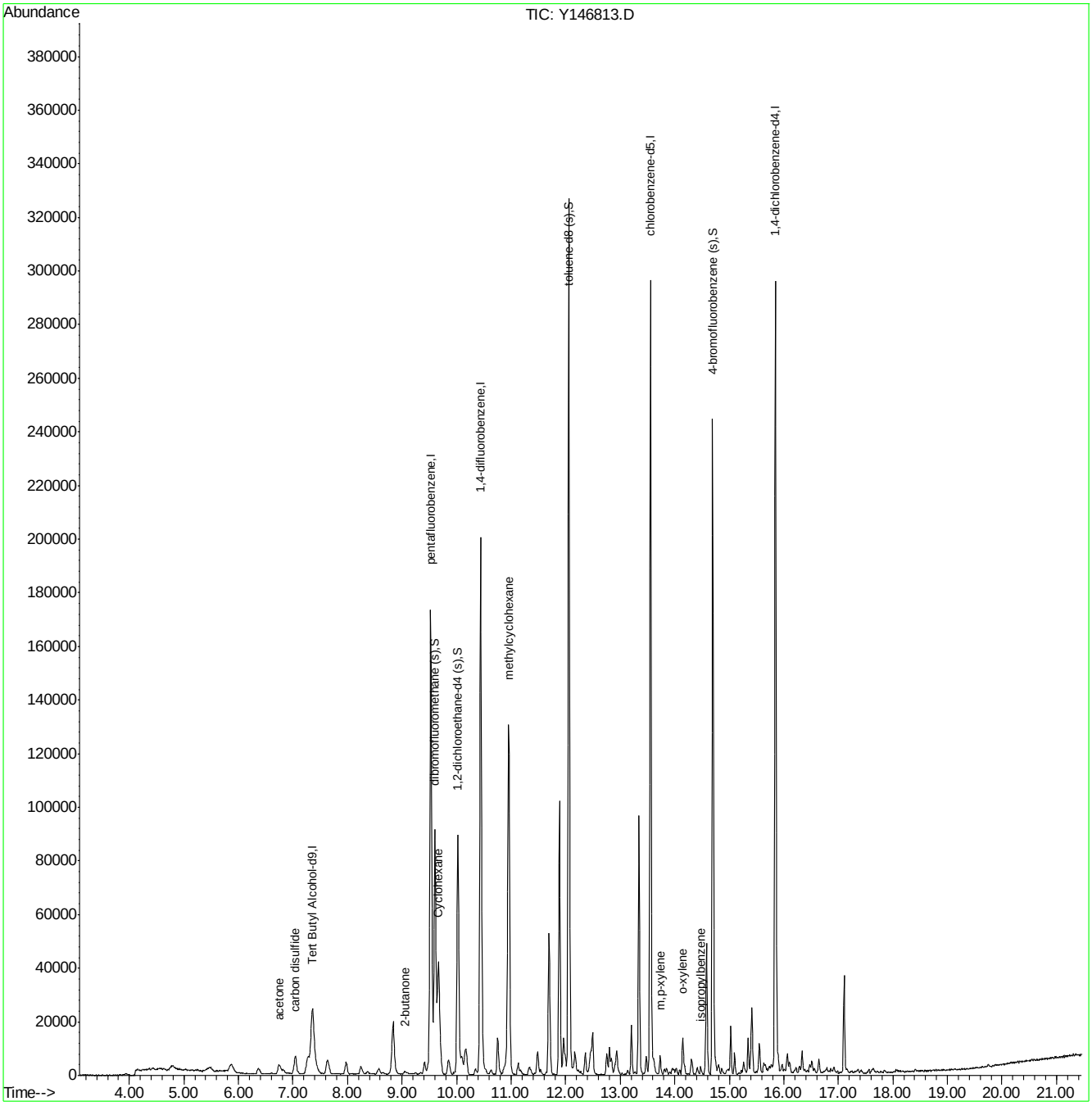
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	61939	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	168429	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	205069	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	173775	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	85784	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	68851	52.37	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 104.74%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	69481	50.00	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 100.00%			
80) toluene-d8 (s)	12.06	98	248783	52.46	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.92%			
105) 4-bromofluorobenzene (s)	14.70	95	84066	48.91	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.82%			
Target Compounds						Qvalue
24) acetone	6.74	43	11316	14.99	ug/L	90
28) carbon disulfide	7.04	76	16614	3.91	ug/L	98
36) 2-butanone	9.04	72	563	3.14	ug/L #	18
55) Cyclohexane	9.67	84	23002	12.40	ug/L #	93
75) methylcyclohexane	10.95	83	71790	33.17	ug/L	98
99) m,p-xylene	13.73	106	2284	0.95	ug/L	93
100) o-xylene	14.15	91	8548	1.76	ug/L	99
104) isopropylbenzene	14.48	105	2221	0.39	ug/L	89

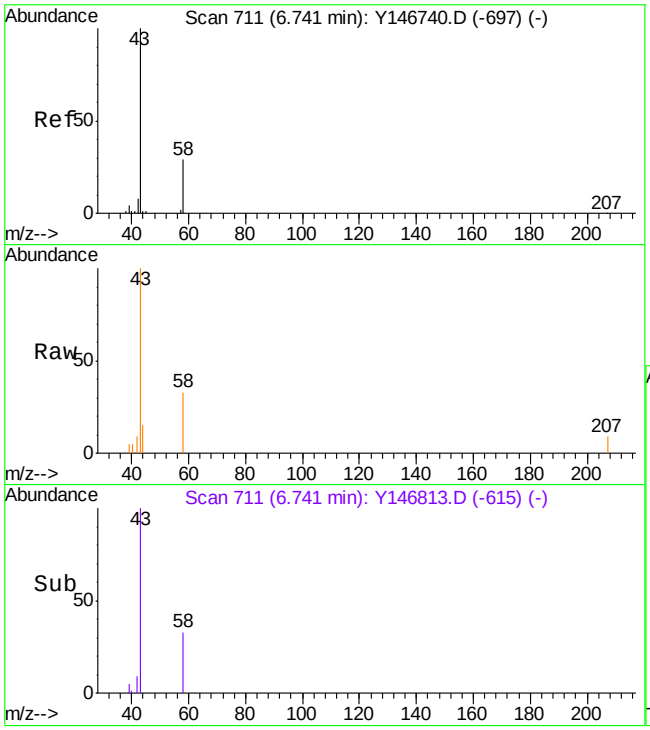
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146813.D
Acq On : 26 Jun 2014 8:22 pm
Operator : prashans
Sample : JB69926-18
Misc : MS69575,VY6380,5.8,,,,1
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 15:05:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

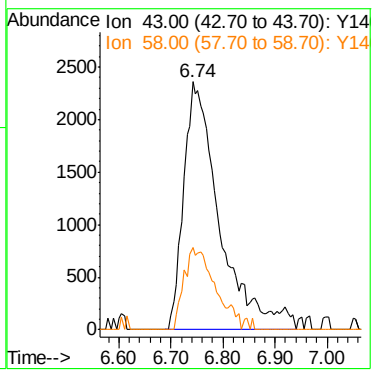


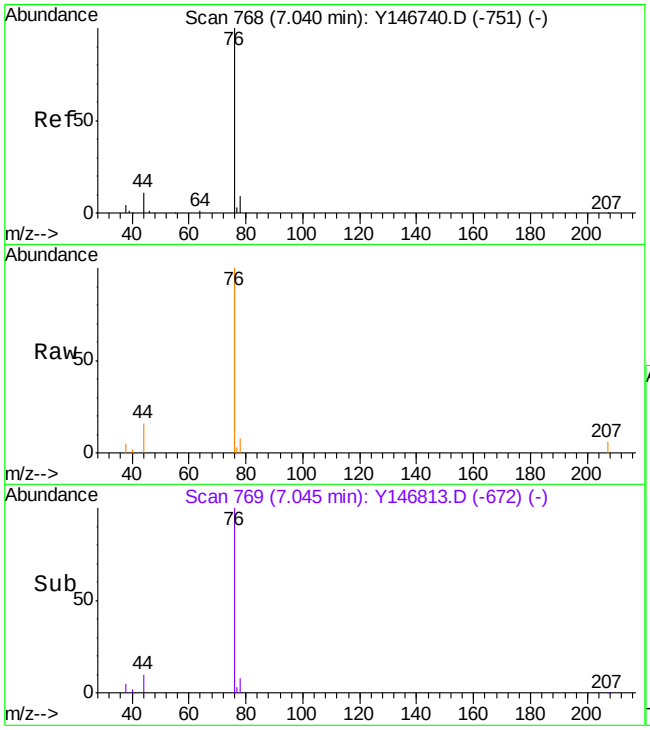


#24
acetone
Concen: 14.99 ug/L
RT: 6.74 min Scan# 711
Delta R.T. 0.00 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion: 43 Resp: 11316

Ion	Ratio	Lower	Upper
43	100		
58	33.4	0.0	58.3

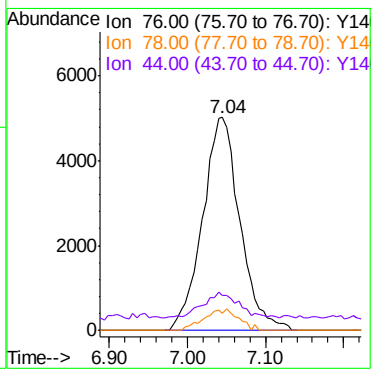


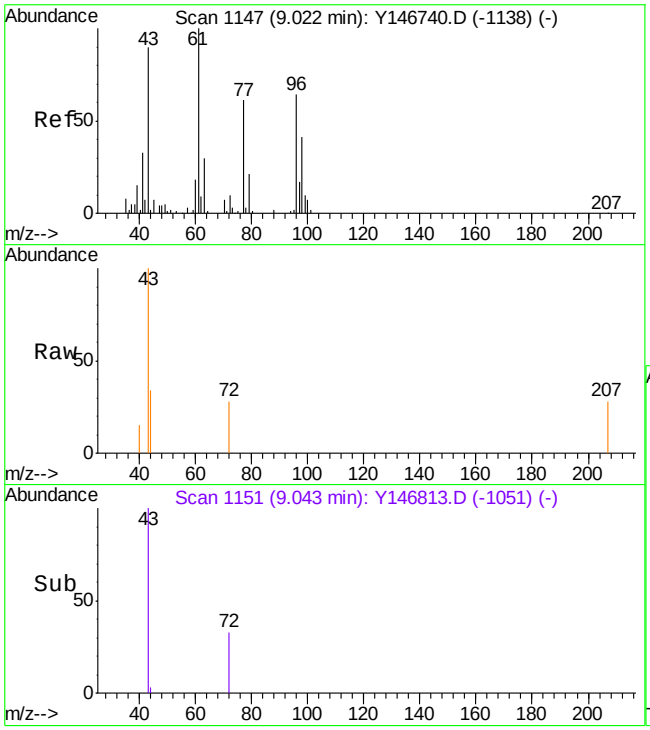


#28
carbon disulfide
Concen: 3.91 ug/L
RT: 7.04 min Scan# 769
Delta R.T. 0.01 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion: 76 Resp: 16614

Ion	Ratio	Lower	Upper
76	100		
78	8.2	0.0	39.1
44	10.3	0.0	41.1

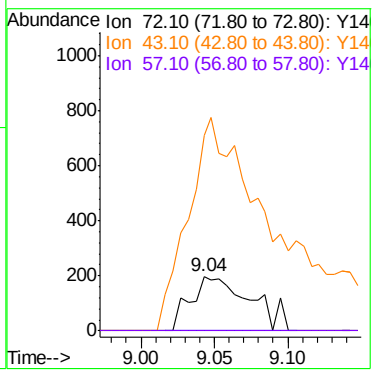


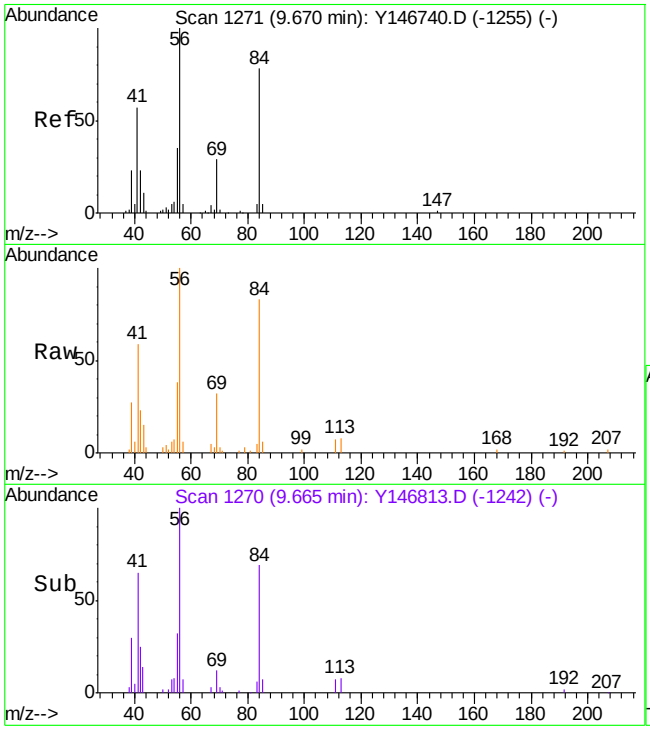


#36
2-butanone
Concen: 3.14 ug/L
RT: 9.04 min Scan# 1151
Delta R.T. 0.02 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion: 72 Resp: 563

Ion	Ratio	Lower	Upper
72	100		
43	683.1	747.4	1388.0#
57	0.0	31.6	58.6#

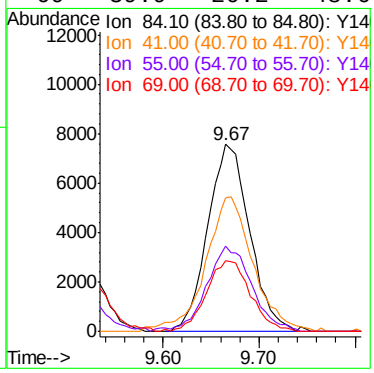


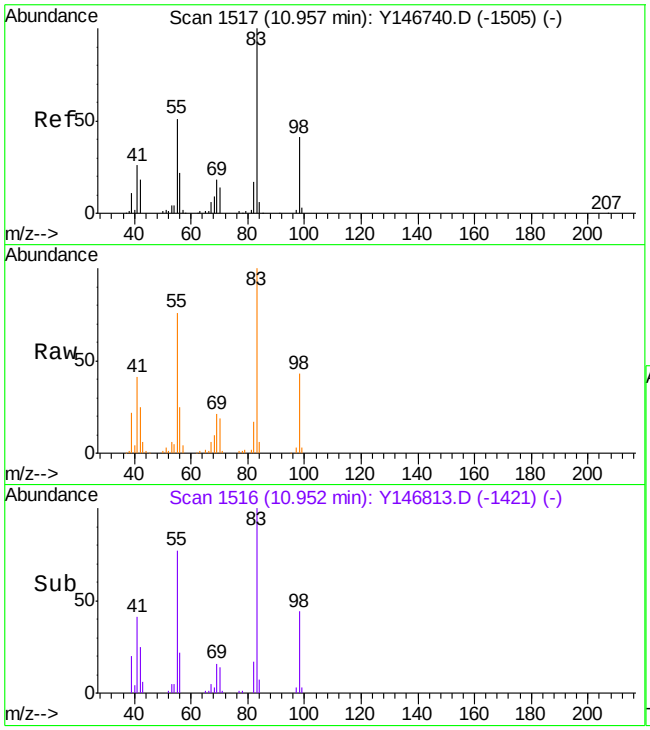


#55
Cyclohexane
Concen: 12.40 ug/L
RT: 9.67 min Scan# 1270
Delta R.T. -0.01 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion: 84 Resp: 23002

Ion	Ratio	Lower	Upper
84	100		
41	81.5	0.0	0.0#
55	49.1	38.5	71.5
69	39.9	26.2	48.6

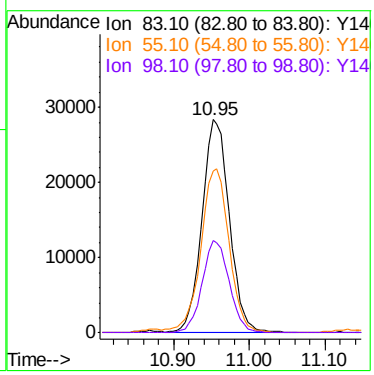


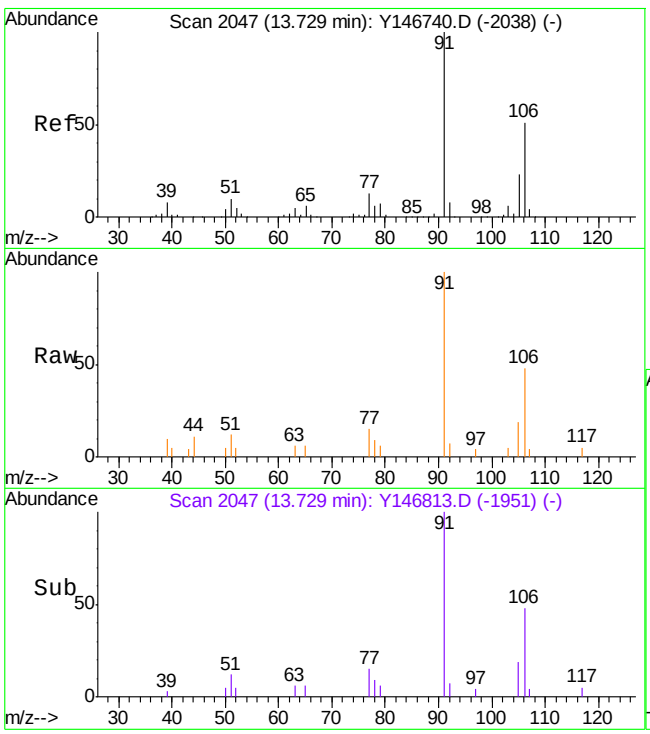


#75
methylcyclohexane
Concen: 33.17 ug/L
RT: 10.95 min Scan# 1516
Delta R.T. -0.01 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion: 83 Resp: 71790

Ion	Ratio	Lower	Upper
83	100		
55	76.1	47.9	107.9
98	43.2	11.4	71.4

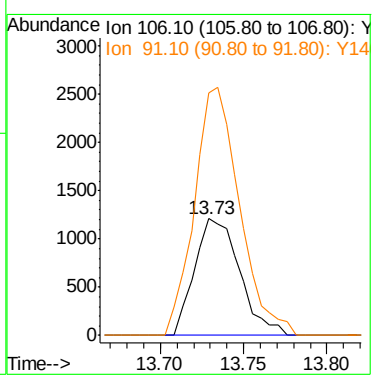




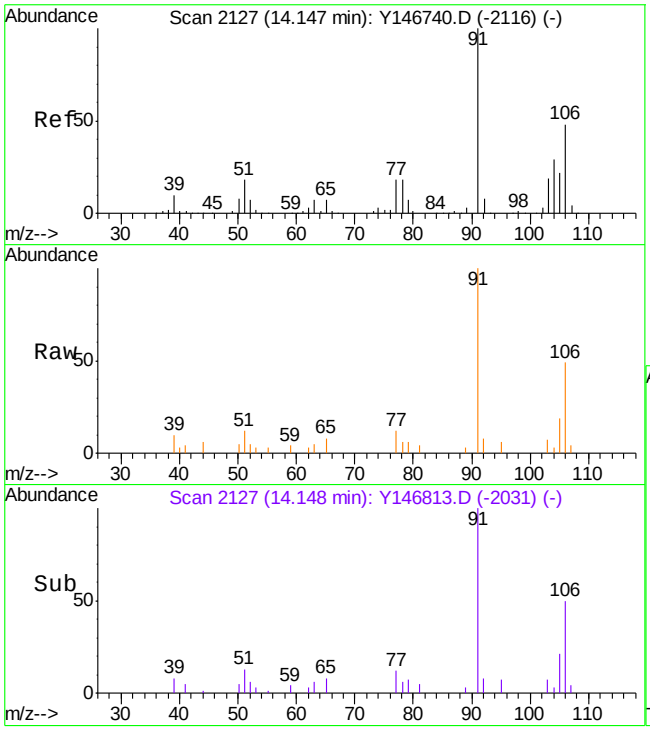
#99
m,p-xylene
Concen: 0.95 ug/L
RT: 13.73 min Scan# 2047
Delta R.T. 0.00 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion:106 Resp: 2284

Ion	Ratio	Lower	Upper
106	100		
91	207.0	137.2	254.8



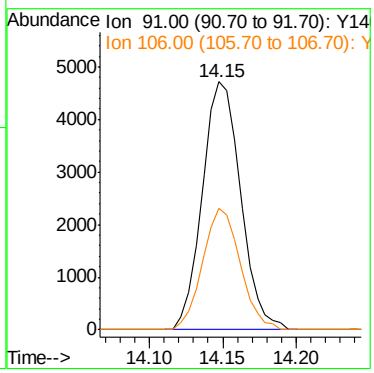
ACCUTEST LABORATORIES JB69926

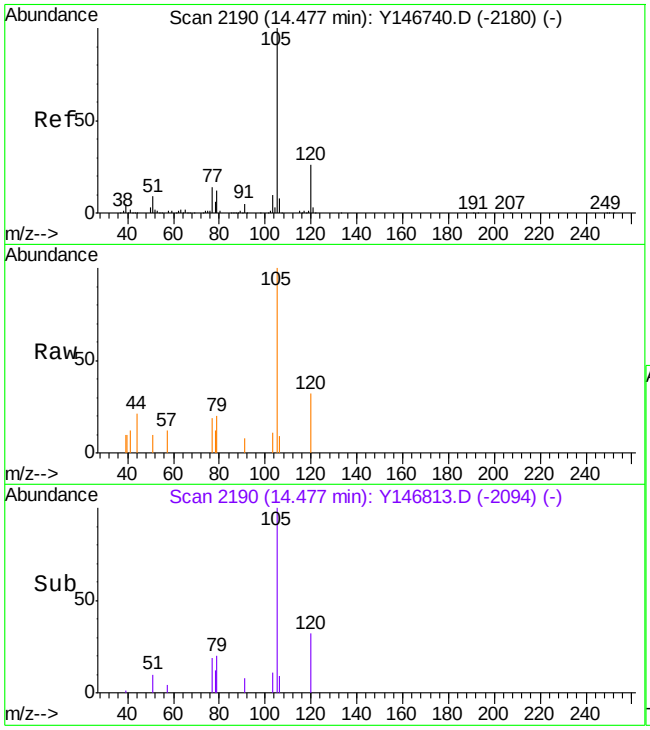


#100
o-xylene
Concen: 1.76 ug/L
RT: 14.15 min Scan# 2127
Delta R.T. 0.00 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion: 91 Resp: 8548

Ion	Ratio	Lower	Upper
91	100		
106	49.0	33.9	63.0

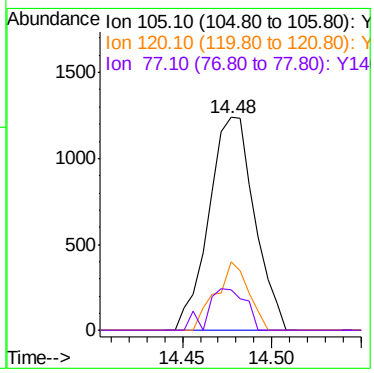




#104
isopropylbenzene
Concen: 0.39 ug/L
RT: 14.48 min Scan# 2190
Delta R.T. 0.00 min
Lab File: Y146813.D
Acq: 26 Jun 2014 8:22 pm

Tgt Ion:105 Resp: 2221

Ion	Ratio	Lower	Upper
105	100		
120	32.0	0.0	56.1
77	19.0	0.0	44.4



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146754.D
Acq On : 25 Jun 2014 2:58 pm
Operator : prashans
Sample : MB
Misc : MS69678,VY6378,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 11:27:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	63370	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	196057	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	235912	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	199660	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	101885	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	73286	47.89	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.78%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	71724	44.34	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.68%			
80) toluene-d8 (s)	12.06	98	283080	51.89	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 103.78%			
105) 4-bromofluorobenzene (s)	14.70	95	97564	47.80	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.60%			

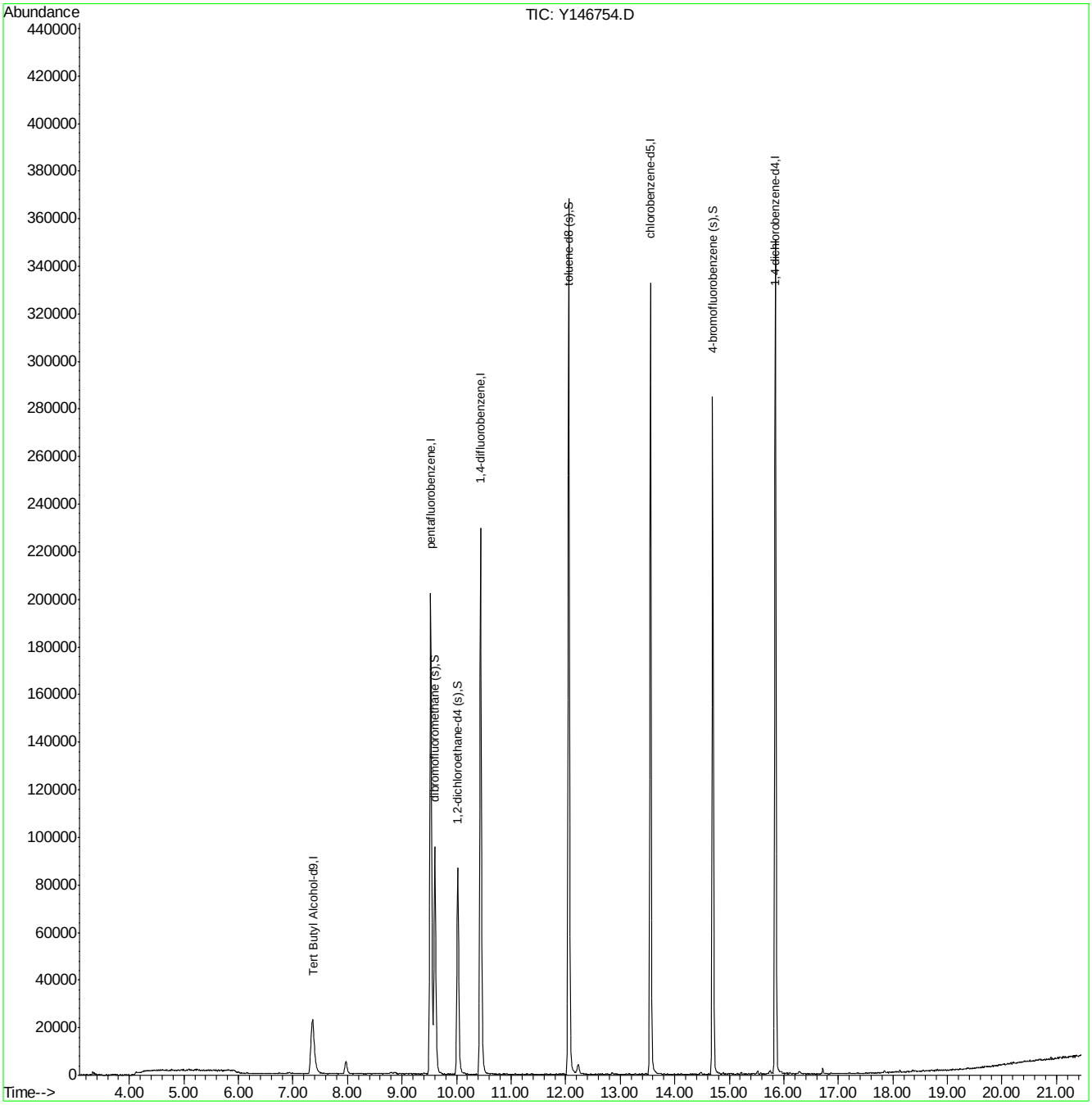
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146754.D
Acq On : 25 Jun 2014 2:58 pm
Operator : prashans
Sample : MB
Misc : MS69678,VY6378,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 11:27:43 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146796.D
Acq On : 26 Jun 2014 11:21 am
Operator : prashans
Sample : MB
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 17:15:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	51391	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	194148	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	231679	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	198854	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	100325	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	73433	48.46	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 96.92%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	68959	43.05	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 86.10%			
80) toluene-d8 (s)	12.06	98	282902	52.80	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.60%			
105) 4-bromofluorobenzene (s)	14.70	95	96863	48.19	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.38%			

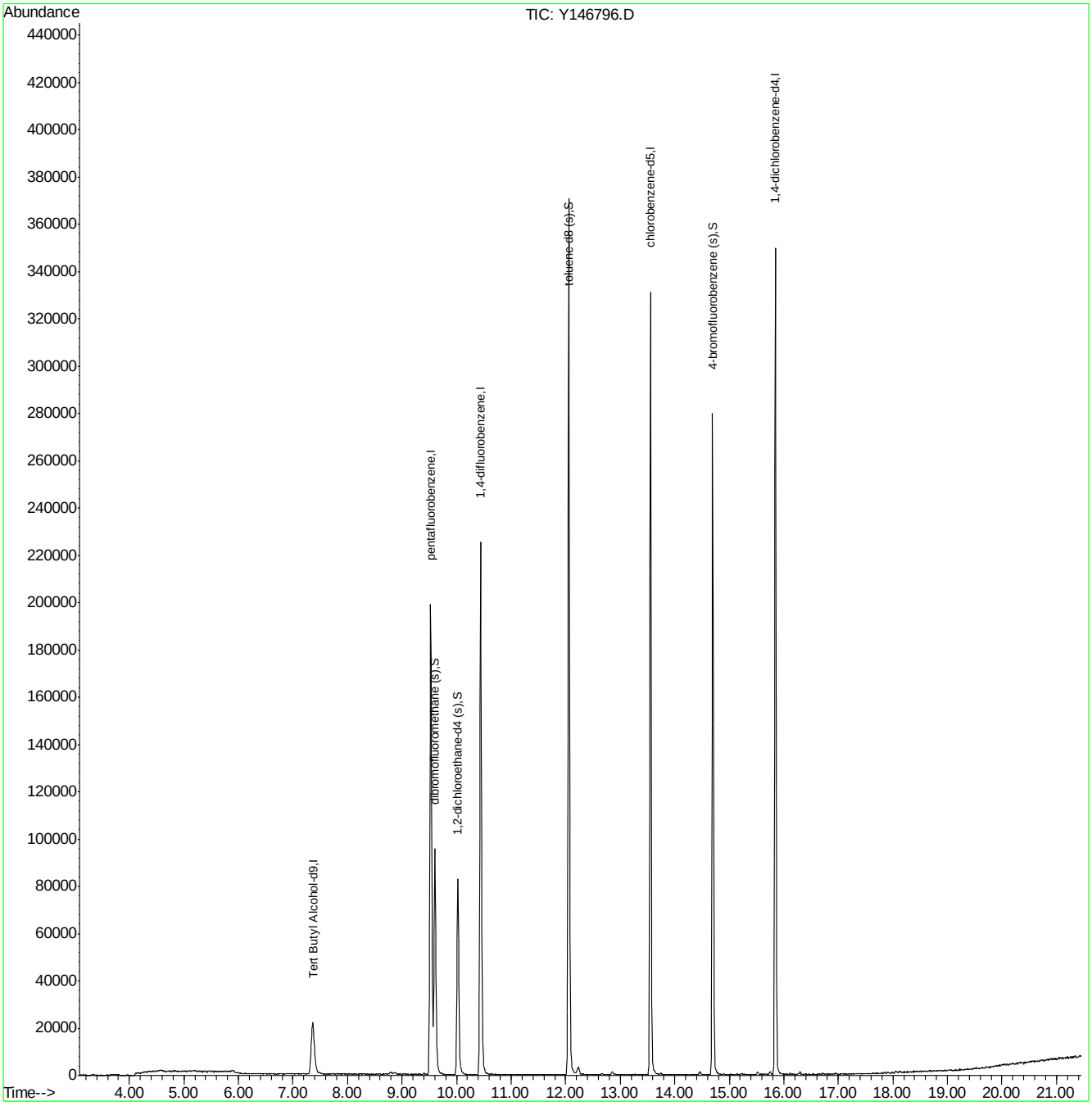
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146796.D
Acq On : 26 Jun 2014 11:21 am
Operator : prashans
Sample : MB
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 17:15:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146828.D
Acq On : 27 Jun 2014 10:23 am
Operator : prashans
Sample : MB
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 16:26:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	51116	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	172632	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	209095	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	181156	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	91588	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	68631	50.94	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 101.88%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	66185	46.47	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 92.94%			
80) toluene-d8 (s)	12.06	98	255512	52.84	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.68%			
105) 4-bromofluorobenzene (s)	14.70	95	87571	47.72	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.44%			

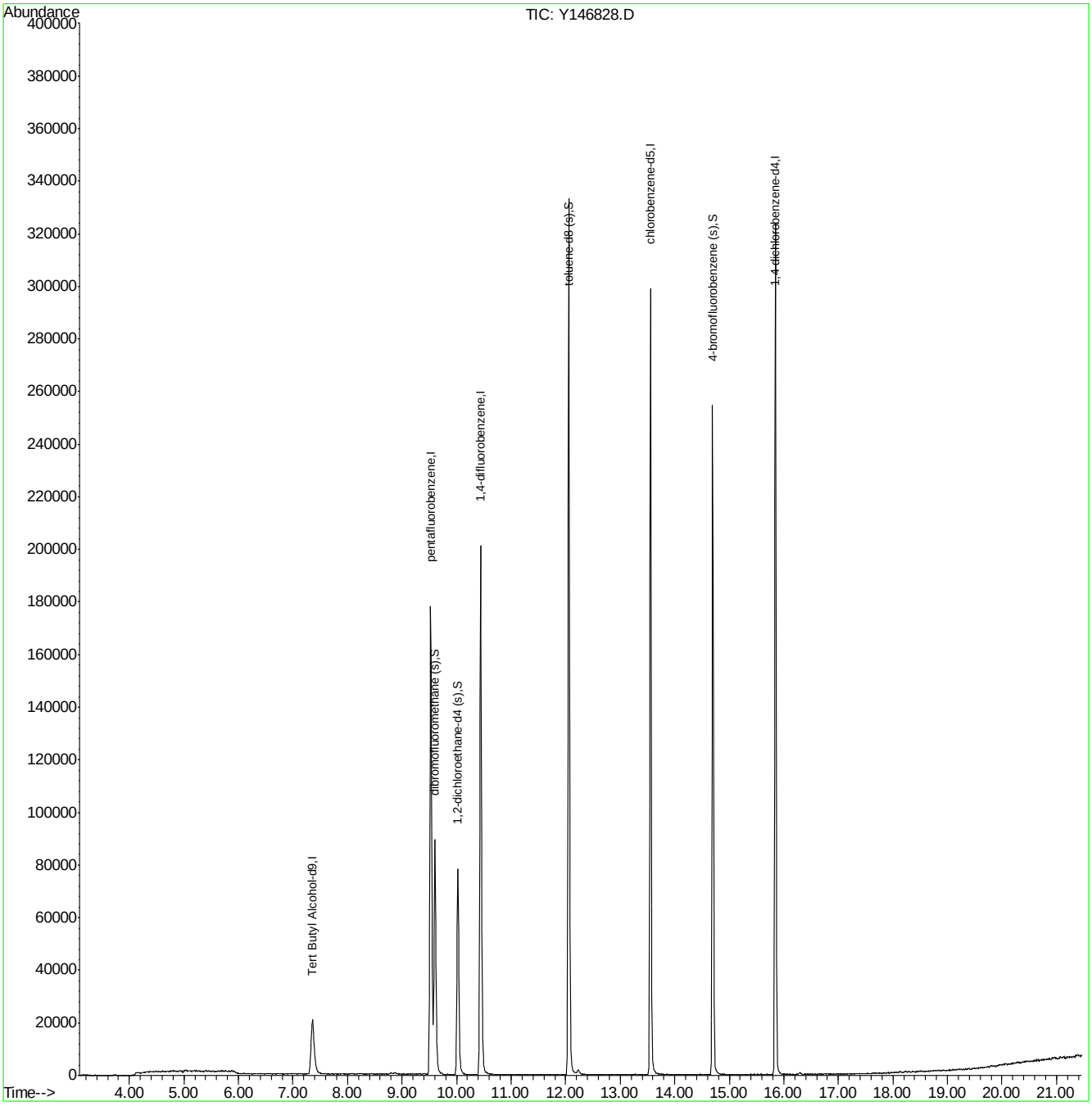
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146828.D
Acq On : 27 Jun 2014 10:23 am
Operator : prashans
Sample : MB
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 16:26:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120711.D
Acq On : 27 Jun 2014 11:19 pm
Operator : payalr
Sample : mb
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 28 16:19:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

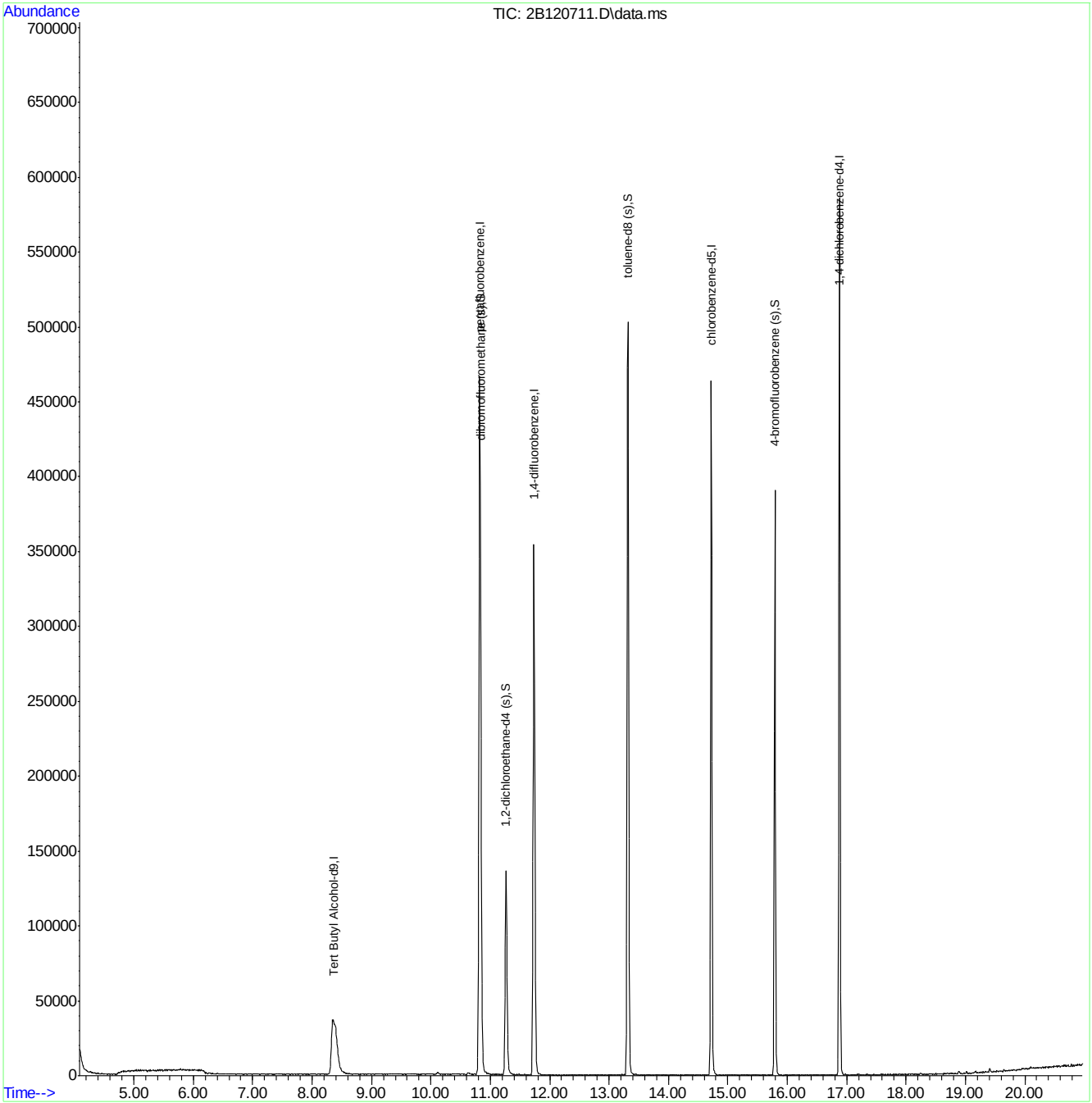
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Tert Butyl Alcohol-d9	8.358	65	142749	500.00	ug/L	0.00
5) pentafluorobenzene	10.822	168	309980	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.734	114	330944	50.00	ug/L	0.00
90) chlorobenzene-d5	14.723	117	263092	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.878	152	153865	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.832	113	114400	47.05	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 94.10%			
52) 1,2-dichloroethane-d4 (s)	11.262	65	106018	46.07	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 92.14%			
82) toluene-d8 (s)	13.318	98	333915	49.68	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 99.36%			
108) 4-bromofluorobenzene (s)	15.792	95	112821	48.29	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 96.58%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120711.D
Acq On : 27 Jun 2014 11:19 pm
Operator : payalr
Sample : mb
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 28 16:19:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146861.D
Acq On : 30 Jun 2014 12:07 pm
Operator : prashans
Sample : MB
Misc : MS65332,VY6383,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 16:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	48500	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	171230	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	204592	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	172854	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	85540	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	63037	47.17	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 94.34%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	63304	44.81	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.62%			
80) toluene-d8 (s)	12.05	98	247712	52.35	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.70%			
105) 4-bromofluorobenzene (s)	14.70	95	84287	49.18	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 98.36%			

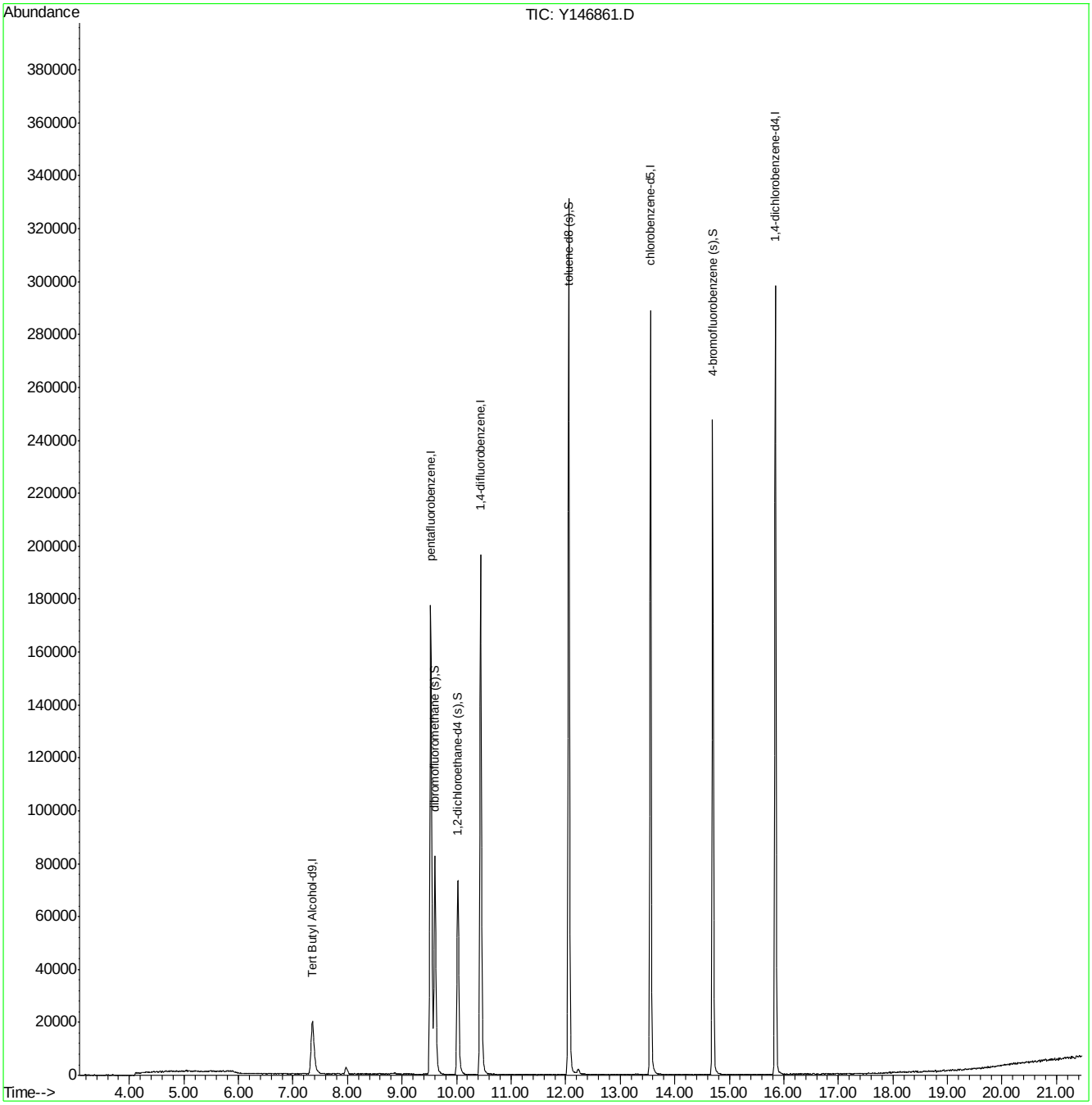
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146861.D
Acq On : 30 Jun 2014 12:07 pm
Operator : prashans
Sample : MB
Misc : MS65332,VY6383,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 16:53:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146755.D
Acq On : 25 Jun 2014 3:37 pm
Operator : prashans
Sample : BS
Misc : MS69678,VY6378,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:29:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	73966	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	197132	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.43	114	234735	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	200536	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.84	152	106049	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	74979	48.73	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 97.46%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	72089	44.32	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.64%				
80) toluene-d8 (s)	12.06	98	284079	52.33	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.66%				
105) 4-bromofluorobenzene (s)	14.70	95	98723	46.46	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 92.92%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	21632	1221.37	ug/L	#	99
4) tertiary butyl alcohol	7.47	59	48912	249.66	ug/L		98
11) chlorodifluoromethane	3.97	51	49826	38.91	ug/L		96
12) dichlorodifluoromethane	3.94	85	73227	48.93	ug/L		97
13) chloromethane	4.27	50	90499	42.89	ug/L		98
14) vinyl chloride	4.53	62	83829	44.41	ug/L		98
16) bromomethane	5.18	94	60131	44.50	ug/L		100
17) chloroethane	5.36	64	39259	45.15	ug/L		98
19) trichlorofluoromethane	5.80	101	90774	44.83	ug/L		98
20) ethyl ether	6.20	74	38931	47.43	ug/L		96
21) 2-chloropropane	6.41	63	25212	44.03	ug/L		97
22) acrolein	6.51	56	134646	430.90	ug/L		99
23) 1,1-dichloroethene	6.63	61	88516	42.45	ug/L		97
24) acetone	6.74	43	23397	26.48	ug/L		98
25) allyl chloride	7.17	76	32884	44.35	ug/L		93
26) acetonitrile	7.21	40	54400	460.58	ug/L		97
27) iodomethane	6.93	142	117032	44.42	ug/L		100
28) carbon disulfide	7.03	76	202923	40.80	ug/L		99
29) 1-chloropropane	7.38	42	109078	39.43	ug/L		100
30) methylene chloride	7.37	49	98555	38.30	ug/L		99
31) methyl acetate	7.17	74	10339	48.32	ug/L		94
32) methyl tert butyl ether	7.66	73	410391	90.50	ug/L		99
33) trans-1,2-dichloroethene	7.71	61	90535	43.29	ug/L		98
34) di-isopropyl ether	8.23	45	227602	41.97	ug/L		100
35) ethyl tert-butyl ether	8.69	59	215954	42.58	ug/L		99
36) 2-butanone	9.02	72	8161	38.90	ug/L	#	67
37) 1,1-dichloroethane	8.29	63	118430	43.48	ug/L		98
38) chloroprene	8.38	53	75955	39.30	ug/L		98
39) acrylonitrile	7.74	53	124412	248.41	ug/L		99
40) vinyl acetate	8.28	86	11547	54.27	ug/L		87
41) ethyl acetate	9.01	45	10883	48.55	ug/L	#	31
42) 2,2-dichloropropane	9.02	77	72994	34.33	ug/L		99
43) cis-1,2-dichloroethene	9.03	96	75481	42.93	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146755.D
Acq On : 25 Jun 2014 3:37 pm
Operator : prashans
Sample : BS
Misc : MS69678,VY6378,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:29:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) propionitrile	9.15	54	101735	528.31 ug/L		100
45) bromochloromethane	9.35	130	50485	46.10 ug/L		97
46) tetrahydrofuran	9.38	72	9930	49.85 ug/L		99
47) chloroform	9.39	83	117982	43.12 ug/L		99
48) tert-Butyl Formate	9.41	59	49713	48.46 ug/L		99
49) isobutyl alcohol	9.84	41	27438	497.84 ug/L	#	97
52) freon 113	6.57	151	44595	44.73 ug/L		96
53) methacrylonitrile	9.30	67	28616	49.16 ug/L		97
54) 1,1,1-trichloroethane	9.62	97	92338	43.42 ug/L		99
55) Cyclohexane	9.67	84	90884	41.86 ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	189769	33.93 ug/L		95
57) tert-amyl methyl ether	10.07	73	216255	43.82 ug/L		100
59) epichlorohydrin	11.72	57	33593	233.18 ug/L		95
60) n-butyl alcohol	10.59	56	125153	2752.74 ug/L		97
61) carbon tetrachloride	9.81	117	83327	44.45 ug/L		99
62) 1,1-dichloropropene	9.79	75	82479	43.24 ug/L		97
63) hexane	7.96	57	71773	36.91 ug/L		98
64) Tert Amyl Alcohol	9.96	73	49686	525.90 ug/L	#	78
65) benzene	10.06	78	266613	42.94 ug/L		99
66) heptane	10.18	57	36512	31.71 ug/L		99
67) isopropyl acetate	9.98	61	29655	48.55 ug/L	#	8
68) 1,2-dichloroethane	10.10	62	85698	48.96 ug/L		98
69) trichloroethene	10.77	95	66289	44.02 ug/L		96
70) ethyl acrylate	10.78	55	93173	52.32 ug/L		99
71) 2-nitropropane	11.58	41	22709	46.17 ug/L	#	69
72) 2-chloroethyl vinyl ether	11.57	63	144343	225.28 ug/L		99
73) methyl methacrylate	11.04	69	49405	49.87 ug/L		93
74) 1,2-dichloropropane	11.05	63	71601	44.71 ug/L		100
75) methylcyclohexane	10.95	83	96136	38.80 ug/L		98
76) Tert-amyl ethyl ether	10.89	59	348593	94.70 ug/L		99
77) dibromomethane	11.22	93	44518	47.97 ug/L		98
78) bromodichloromethane	11.34	83	95349	46.25 ug/L		98
79) cis-1,3-dichloropropene	11.78	75	116577	44.73 ug/L		99
81) 4-methyl-2-pentanone	11.88	58	29484	51.29 ug/L		100
82) toluene	12.12	91	280705	42.05 ug/L		99
83) 3-methyl-1-butanol	11.91	70	45979	1080.83 ug/L		99
84) trans-1,3-dichloropropene	12.35	75	105530	46.41 ug/L		99
85) ethyl methacrylate	12.31	69	94398	50.22 ug/L		99
86) 1,1,2-trichloroethane	12.56	83	56008	48.38 ug/L		99
87) 2-hexanone	12.72	58	30456	47.56 ug/L		96
89) tetrachloroethene	12.69	166	75300	43.99 ug/L		98
90) 1,3-dichloropropane	12.74	76	101760	47.90 ug/L		100
91) butyl acetate	12.78	56	47784	49.00 ug/L		94
92) dibromochloromethane	13.00	129	81573	49.15 ug/L		100
93) 1,2-dibromoethane	13.15	107	68365	50.04 ug/L		96
94) 3,3-Dimethyl-1-Butanol	12.89	57	83088	519.29 ug/L		99
96) chlorobenzene	13.58	112	190769	45.23 ug/L		98
97) 1,1,1,2-tetrachloroethane	13.65	131	72326	47.63 ug/L		99
98) ethylbenzene	13.62	91	305660	43.51 ug/L		99
99) m,p-xylene	13.73	106	239951	86.88 ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146755.D
Acq On : 25 Jun 2014 3:37 pm
Operator : prashans
Sample : BS
Misc : MS69678,VY6378,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:29:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

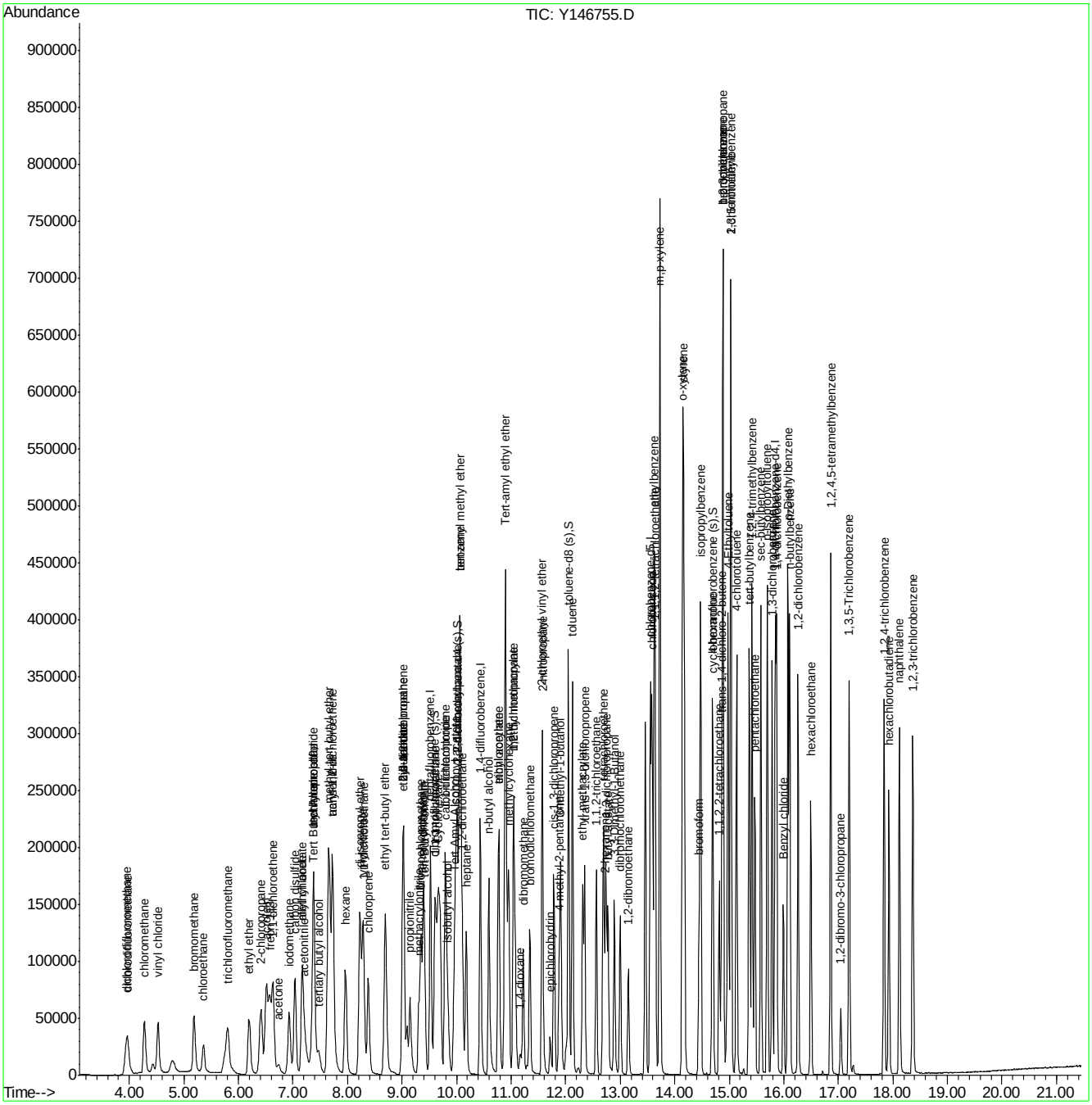
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) o-xylene	14.14	91	247472	44.15	ug/L		99
101) styrene	14.16	104	209423	47.27	ug/L		99
102) bromoform	14.45	173	58509	51.03	ug/L		98
104) isopropylbenzene	14.47	105	294126	42.16	ug/L		99
107) bromobenzene	14.89	156	89455	46.37	ug/L		99
108) cyclohexanone	14.69	55	27381	80.62	ug/L		90
109) 1,1,2,2-tetrachloroethane	14.82	83	93683	48.21	ug/L		98
110) trans-1,4-dichloro-2-buten	14.86	53	21410	46.09	ug/L		96
111) 1,2,3-trichloropropane	14.89	110	20439	48.35	ug/L		96
112) n-propylbenzene	14.88	91	336922	43.06	ug/L		100
113) 4-Ethyltoluene	14.98	105	290519	45.59	ug/L		98
114) 2-chlorotoluene	15.04	126	75162	44.13	ug/L		96
115) 4-chlorotoluene	15.14	91	218724	43.17	ug/L		100
116) 1,3,5-trimethylbenzene	15.03	105	254061	43.98	ug/L		100
117) tert-butylbenzene	15.37	119	208325	44.32	ug/L		99
118) pentachloroethane	15.47	167	55683	47.81	ug/L		98
119) 1,2,4-trimethylbenzene	15.42	105	248584	43.58	ug/L		99
120) sec-butylbenzene	15.58	105	321206	43.29	ug/L		99
121) 1,3-dichlorobenzene	15.78	146	163009	45.81	ug/L		98
122) p-isopropyltoluene	15.70	119	270114	44.03	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	164880	44.62	ug/L		99
124) 1,2-dichlorobenzene	16.27	146	159390	46.62	ug/L		99
125) n-butylbenzene	16.11	92	137530	43.35	ug/L		97
126) p-Diethylbenzene	16.08	119	166210	46.39	ug/L	#	83
127) 1,2-dibromo-3-chloropropan	17.05	157	19507	52.57	ug/L		96
128) 1,3,5-Trichlorobenzene	17.20	180	127357	43.74	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	117402	48.11	ug/L		99
130) 1,2,4,5-tetramethylbenzene	16.86	119	260126	47.56	ug/L		100
131) hexachlorobutadiene	17.93	225	62729	42.67	ug/L		96
132) naphthalene	18.12	128	259538	52.22	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	110752	48.85	ug/L		99
134) hexachloroethane	16.50	119	54273	45.04	ug/L		99
135) Benzyl chloride	15.99	91	112180	32.86	ug/L		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146755.D
Acq On : 25 Jun 2014 3:37 pm
Operator : prashans
Sample : BS
Misc : MS69678,VY6378,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 11:29:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146797.D
Acq On : 26 Jun 2014 12:00 pm
Operator : prashans
Sample : BS
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 17:16:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	62018	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	179547	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	216630	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	186532	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.84	152	99246	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	71086	50.73	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 101.46%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	69822	47.13	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 94.26%				
80) toluene-d8 (s)	12.06	98	265066	52.91	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.82%				
105) 4-bromofluorobenzene (s)	14.70	95	93746	47.15	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 94.30%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	18078	1217.35	ug/L		99
4) tertiary butyl alcohol	7.47	59	40824	248.53	ug/L		99
11) chlorodifluoromethane	3.97	51	50028	42.89	ug/L		96
12) dichlorodifluoromethane	3.95	85	75494	55.39	ug/L		96
13) chloromethane	4.28	50	96673	50.31	ug/L		99
14) vinyl chloride	4.53	62	89761	52.21	ug/L		99
16) bromomethane	5.18	94	65321	53.07	ug/L		98
17) chloroethane	5.36	64	42515	53.68	ug/L		98
19) trichlorofluoromethane	5.80	101	95329	51.69	ug/L		100
20) ethyl ether	6.20	74	38585	51.61	ug/L		99
21) 2-chloropropane	6.41	63	27128	52.02	ug/L		99
22) acrolein	6.51	56	131781	463.04	ug/L		99
23) 1,1-dichloroethene	6.63	61	96085	50.59	ug/L		98
24) acetone	6.75	43	23111	28.72	ug/L		100
25) allyl chloride	7.17	76	42015	62.21	ug/L		97
26) acetonitrile	7.21	40	53083	493.45	ug/L		93
27) iodomethane	6.93	142	122531	51.06	ug/L		98
28) carbon disulfide	7.03	76	223351	49.30	ug/L		99
29) 1-chloropropane	7.38	42	108698	43.14	ug/L		99
30) methylene chloride	7.37	49	102334	43.66	ug/L		96
31) methyl acetate	7.17	74	9429	48.38	ug/L		97
32) methyl tert butyl ether	7.66	73	395516	95.76	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	93681	49.18	ug/L		98
34) di-isopropyl ether	8.23	45	228943	46.36	ug/L		99
35) ethyl tert-butyl ether	8.69	59	214833	46.51	ug/L		98
36) 2-butanone	9.02	72	8244	43.14	ug/L	#	88
37) 1,1-dichloroethane	8.29	63	123479	49.78	ug/L		97
38) chloroprene	8.38	53	79958	45.42	ug/L		99
39) acrylonitrile	7.74	53	112408	246.43	ug/L		97
40) vinyl acetate	8.28	86	11388	58.77	ug/L		85
41) ethyl acetate	9.01	45	9731	47.67	ug/L		95
42) 2,2-dichloropropane	9.02	77	93402	48.23	ug/L		97
43) cis-1,2-dichloroethene	9.03	96	77346	48.29	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146797.D
Acq On : 26 Jun 2014 12:00 pm
Operator : prashans
Sample : BS
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 17:16:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	91140	519.64	ug/L		100
45) bromochloromethane	9.35	130	50113	50.24	ug/L		96
46) tetrahydrofuran	9.37	72	8763	48.30	ug/L		100
47) chloroform	9.39	83	121568	48.78	ug/L		99
48) tert-Butyl Formate	9.41	59	46988	50.29	ug/L		98
49) isobutyl alcohol	9.85	41	23018	458.55	ug/L	#	98
52) freon 113	6.57	151	47189	51.96	ug/L		97
53) methacrylonitrile	9.30	67	26375	49.75	ug/L		95
54) 1,1,1-trichloroethane	9.62	97	96367	49.76	ug/L		98
55) Cyclohexane	9.67	84	95319	48.20	ug/L	#	99
56) 2,2,4-trimethylpentane	10.01	57	226444	44.45	ug/L		97
57) tert-amyl methyl ether	10.07	73	212459	47.26	ug/L		100
59) epichlorohydrin	11.72	57	32290	242.87	ug/L		96
60) n-butyl alcohol	10.59	56	106059	2527.73	ug/L		98
61) carbon tetrachloride	9.81	117	87438	50.54	ug/L		99
62) 1,1-dichloropropene	9.79	75	84927	48.25	ug/L		99
63) hexane	7.97	57	79161	44.11	ug/L		99
65) benzene	10.06	78	281036	49.05	ug/L		100
66) heptane	10.18	57	50643	47.66	ug/L		94
67) isopropyl acetate	9.98	61	27862	49.43	ug/L		99
68) 1,2-dichloroethane	10.11	62	83978	51.98	ug/L		98
69) trichloroethene	10.77	95	69401	49.94	ug/L		97
71) 2-nitropropane	11.58	41	21660	47.72	ug/L		91
72) 2-chloroethyl vinyl ether	11.57	63	160907	272.13	ug/L		99
73) methyl methacrylate	11.04	69	46173	50.50	ug/L		97
74) 1,2-dichloropropane	11.05	63	73169	49.51	ug/L		100
75) methylcyclohexane	10.95	83	103123	45.10	ug/L		97
77) dibromomethane	11.22	93	43512	50.80	ug/L		99
78) bromodichloromethane	11.34	83	96899	50.93	ug/L		98
79) cis-1,3-dichloropropene	11.79	75	119152	49.53	ug/L		98
81) 4-methyl-2-pentanone	11.88	58	27218	51.30	ug/L		94
82) toluene	12.12	91	291643	47.34	ug/L		98
83) 3-methyl-1-butanol	11.91	70	38204	973.12	ug/L		99
84) trans-1,3-dichloropropene	12.35	75	103907	49.52	ug/L		99
85) ethyl methacrylate	12.31	69	87355	50.36	ug/L		99
86) 1,1,2-trichloroethane	12.56	83	54449	50.96	ug/L		99
87) 2-hexanone	12.72	58	28351	47.97	ug/L		99
89) tetrachloroethene	12.69	166	78439	49.26	ug/L		99
90) 1,3-dichloropropane	12.74	76	98349	49.77	ug/L		100
91) butyl acetate	12.78	56	44681	49.26	ug/L		98
92) dibromochloromethane	13.00	129	77376	50.12	ug/L		97
93) 1,2-dibromoethane	13.15	107	65063	51.20	ug/L		98
94) 3,3-Dimethyl-1-Butanol	12.89	57	69434	466.54	ug/L		100
96) chlorobenzene	13.58	112	194160	49.49	ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	71565	50.67	ug/L		97
98) ethylbenzene	13.62	91	314745	48.17	ug/L		100
99) m,p-xylene	13.73	106	248803	96.85	ug/L		99
100) o-xylene	14.14	91	252969	48.51	ug/L		100
101) styrene	14.16	104	212545	51.58	ug/L		99
102) bromoform	14.45	173	54266	50.89	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146797.D
Acq On : 26 Jun 2014 12:00 pm
Operator : prashans
Sample : BS
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 17:16:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

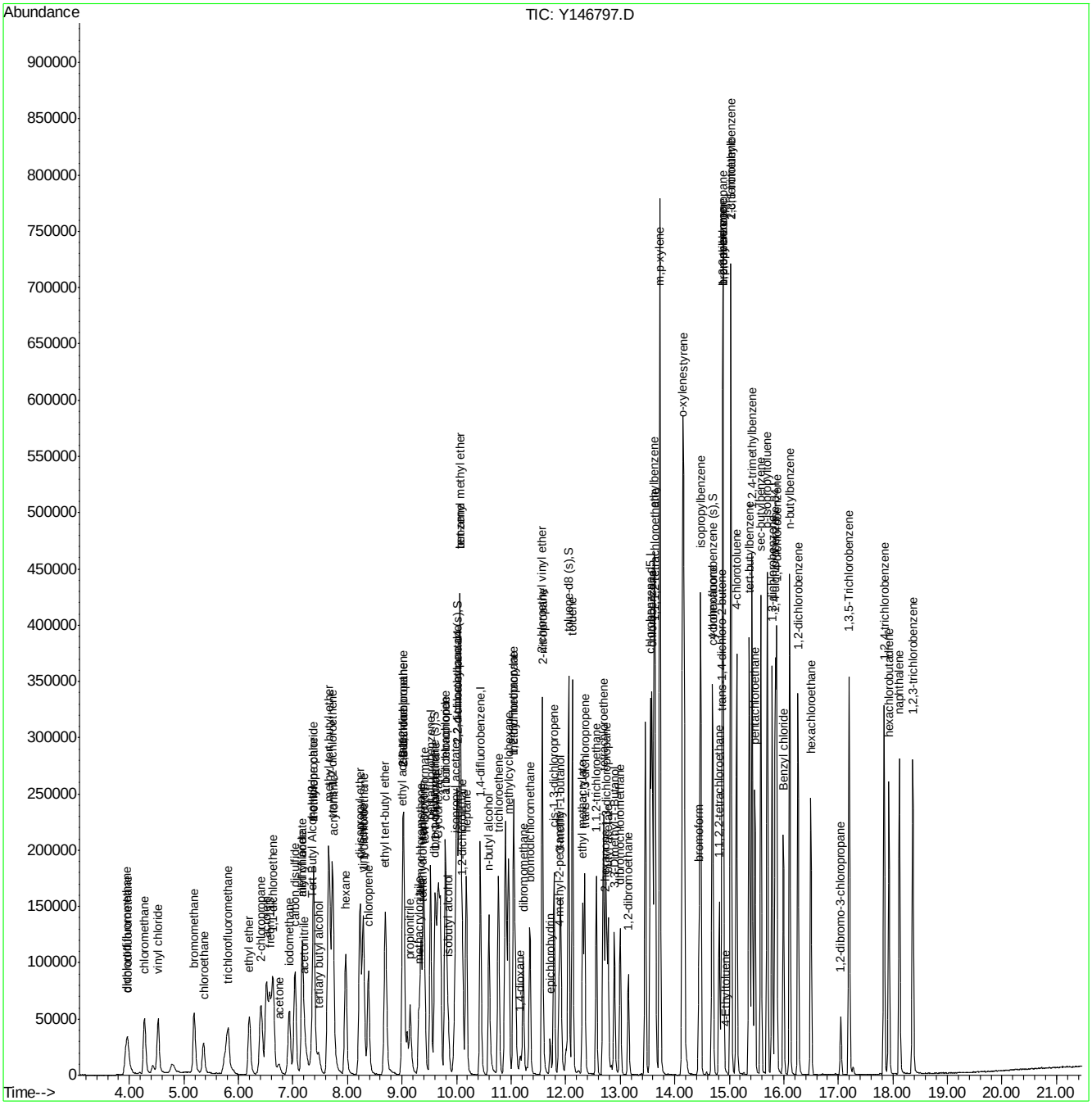
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) isopropylbenzene	14.47	105	305534	46.80	ug/L		99
107) bromobenzene	14.89	156	89333	49.48	ug/L		97
108) cyclohexanone	14.69	55	52543	165.32	ug/L		95
109) 1,1,2,2-tetrachloroethane	14.82	83	83753	46.05	ug/L		98
110) trans-1,4-dichloro-2-buten	14.86	53	21018	48.35	ug/L		98
111) 1,2,3-trichloropropane	14.89	110	18984	47.98	ug/L		99
112) n-propylbenzene	14.88	91	368399	50.31	ug/L		99
113) 4-Ethyltoluene	14.94	105	752	0.13	ug/L	#	53
114) 2-chlorotoluene	15.04	126	77195	48.43	ug/L		100
115) 4-chlorotoluene	15.14	91	225401	47.54	ug/L		100
116) 1,3,5-trimethylbenzene	15.03	105	255077	47.19	ug/L		99
117) tert-butylbenzene	15.37	119	215022	48.88	ug/L		97
118) pentachloroethane	15.47	167	56796	52.10	ug/L		98
119) 1,2,4-trimethylbenzene	15.42	105	267273	50.07	ug/L		99
120) sec-butylbenzene	15.58	105	329324	47.42	ug/L		99
121) 1,3-dichlorobenzene	15.78	146	163295	49.04	ug/L		98
122) p-isopropyltoluene	15.70	119	282108	49.14	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	167376	48.40	ug/L		99
124) 1,2-dichlorobenzene	16.27	146	156781	49.00	ug/L		99
125) n-butylbenzene	16.11	92	145277	48.93	ug/L		99
127) 1,2-dibromo-3-chloropropan	17.05	157	17326	49.89	ug/L		98
128) 1,3,5-Trichlorobenzene	17.20	180	131459	48.24	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	118343	51.82	ug/L		99
131) hexachlorobutadiene	17.93	225	66864	48.60	ug/L		96
132) naphthalene	18.12	128	236693	50.89	ug/L		100
133) 1,2,3-trichlorobenzene	18.37	180	107494	50.66	ug/L		98
134) hexachloroethane	16.50	119	54447	48.29	ug/L		97
135) Benzyl chloride	15.99	91	159469	49.92	ug/L		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146797.D
Acq On : 26 Jun 2014 12:00 pm
Operator : prashans
Sample : BS
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 17:16:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146829.D
Acq On : 27 Jun 2014 11:00 am
Operator : prashans
Sample : BS
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:27:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	61022	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	189321	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	227348	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	193919	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	101462	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	73139	49.50	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 99.00%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	71376	45.69	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 91.38%				
80) toluene-d8 (s)	12.06	98	277427	52.77	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.54%				
105) 4-bromofluorobenzene (s)	14.70	95	96713	47.58	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.16%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	19406	1328.10	ug/L	#	98
4) tertiary butyl alcohol	7.47	59	43878	271.48	ug/L		99
11) chlorodifluoromethane	3.97	51	47756	38.83	ug/L		98
12) dichlorodifluoromethane	3.95	85	48430	33.70	ug/L		95
13) chloromethane	4.28	50	76443	37.72	ug/L		99
14) vinyl chloride	4.53	62	70919	39.12	ug/L		99
16) bromomethane	5.19	94	53163	40.97	ug/L		96
17) chloroethane	5.36	64	42719	51.15	ug/L		95
19) trichlorofluoromethane	5.81	101	82377	42.36	ug/L		99
20) ethyl ether	6.20	74	39311	49.87	ug/L		97
21) 2-chloropropane	6.41	63	26263	47.76	ug/L		95
22) acrolein	6.51	56	125949	419.70	ug/L		99
23) 1,1-dichloroethene	6.64	61	92151	46.01	ug/L		99
24) acetone	6.74	43	19964	23.53	ug/L		97
25) allyl chloride	7.17	76	40641	57.07	ug/L		95
26) acetonitrile	7.21	40	54321	478.89	ug/L		87
27) iodomethane	6.93	142	119208	47.11	ug/L		99
28) carbon disulfide	7.04	76	216512	45.32	ug/L		100
29) 1-chloropropane	7.38	42	108770	40.94	ug/L		98
30) methylene chloride	7.38	49	99568	40.29	ug/L		99
31) methyl acetate	7.16	74	9175	44.65	ug/L		99
32) methyl tert butyl ether	7.66	73	393849	90.43	ug/L		100
33) trans-1,2-dichloroethene	7.72	61	93071	46.34	ug/L		98
34) di-isopropyl ether	8.23	45	226127	43.42	ug/L		99
35) ethyl tert-butyl ether	8.69	59	212734	43.68	ug/L		99
36) 2-butanone	9.02	72	7334	36.40	ug/L	#	58
37) 1,1-dichloroethane	8.29	63	123150	47.08	ug/L		96
38) chloroprene	8.38	53	75964	40.93	ug/L		99
39) acrylonitrile	7.74	53	115562	240.26	ug/L		99
40) vinyl acetate	8.28	86	11381	55.70	ug/L		93
41) ethyl acetate	9.01	45	9990	46.41	ug/L		88
42) 2,2-dichloropropane	9.02	77	91653	44.88	ug/L		98
43) cis-1,2-dichloroethene	9.03	96	76184	45.11	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146829.D
Acq On : 27 Jun 2014 11:00 am
Operator : prashans
Sample : BS
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:27:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	94496	510.96	ug/L		96
45) bromochloromethane	9.35	130	50685	48.19	ug/L		99
46) tetrahydrofuran	9.37	72	8834	46.18	ug/L		98
47) chloroform	9.40	83	121775	46.34	ug/L		98
48) tert-Butyl Formate	9.41	59	46701	47.40	ug/L		98
49) isobutyl alcohol	9.85	41	25595	483.56	ug/L	#	96
52) freon 113	6.57	151	44000	45.95	ug/L		98
53) methacrylonitrile	9.31	67	26708	47.78	ug/L		97
54) 1,1,1-trichloroethane	9.62	97	94028	46.04	ug/L		97
55) Cyclohexane	9.67	84	92219	44.23	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	208142	38.75	ug/L		100
57) tert-amyl methyl ether	10.07	73	210078	44.32	ug/L		99
59) epichlorohydrin	11.72	57	32977	236.35	ug/L		99
60) n-butyl alcohol	10.59	56	117094	2659.16	ug/L		99
61) carbon tetrachloride	9.81	117	84857	46.73	ug/L		99
62) 1,1-dichloropropene	9.79	75	82952	44.90	ug/L		98
63) hexane	7.97	57	72190	38.33	ug/L		98
65) benzene	10.06	78	280353	46.62	ug/L		99
66) heptane	10.18	57	45795	41.06	ug/L		98
67) isopropyl acetate	9.98	61	28265	47.78	ug/L		97
68) 1,2-dichloroethane	10.11	62	85580	50.48	ug/L		98
69) trichloroethene	10.77	95	68210	46.77	ug/L		99
71) 2-nitropropane	11.58	41	21673	45.50	ug/L	#	86
72) 2-chloroethyl vinyl ether	11.57	63	147846	238.25	ug/L		98
73) methyl methacrylate	11.04	69	46911	48.89	ug/L		94
74) 1,2-dichloropropane	11.05	63	74755	48.20	ug/L		98
75) methylcyclohexane	10.95	83	94887	39.54	ug/L		99
77) dibromomethane	11.22	93	44054	49.01	ug/L		99
78) bromodichloromethane	11.34	83	98466	49.32	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	118660	47.00	ug/L		99
81) 4-methyl-2-pentanone	11.88	58	28012	50.31	ug/L		98
82) toluene	12.13	91	285480	44.15	ug/L		98
83) 3-methyl-1-butanol	11.91	70	42307	1026.83	ug/L		99
84) trans-1,3-dichloropropene	12.35	75	103742	47.11	ug/L		99
85) ethyl methacrylate	12.32	69	87182	47.89	ug/L		99
86) 1,1,2-trichloroethane	12.56	83	54823	48.89	ug/L		99
87) 2-hexanone	12.72	58	27756	44.75	ug/L		99
89) tetrachloroethene	12.69	166	76025	45.92	ug/L		99
90) 1,3-dichloropropane	12.74	76	99876	48.62	ug/L		99
91) butyl acetate	12.78	56	44833	47.54	ug/L		98
92) dibromochloromethane	13.00	129	77470	48.27	ug/L		99
93) 1,2-dibromoethane	13.15	107	65528	49.60	ug/L		97
94) 3,3-Dimethyl-1-Butanol	12.89	57	75600	488.62	ug/L		99
96) chlorobenzene	13.59	112	192642	47.23	ug/L		100
97) 1,1,1,2-tetrachloroethane	13.65	131	70678	48.14	ug/L		98
98) ethylbenzene	13.62	91	308456	45.41	ug/L		100
99) m,p-xylene	13.73	106	244823	91.67	ug/L		99
100) o-xylene	14.14	91	248494	45.84	ug/L		99
101) styrene	14.16	104	210632	49.17	ug/L		99
102) bromoform	14.45	173	54141	48.84	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146829.D
Acq On : 27 Jun 2014 11:00 am
Operator : prashans
Sample : BS
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:27:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

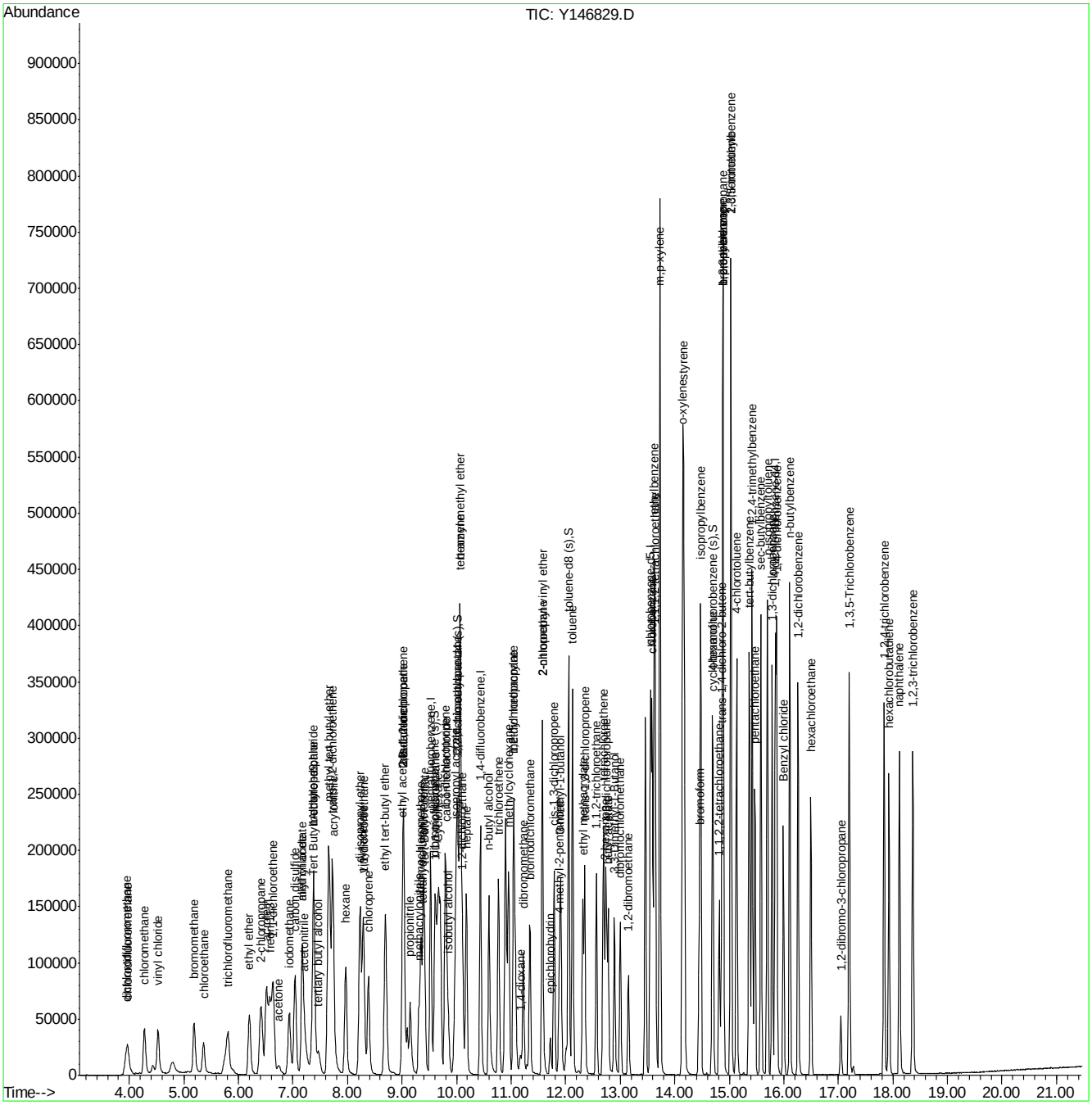
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
104) isopropylbenzene	14.48	105	298145	44.67 ug/L	100
107) bromobenzene	14.89	156	89728	48.62 ug/L	97
108) cyclohexanone	14.69	55	24824	76.40 ug/L	89
109) 1,1,2,2-tetrachloroethane	14.82	83	85504	45.99 ug/L	99
110) trans-1,4-dichloro-2-buten	14.86	53	21597	48.60 ug/L	99
111) 1,2,3-trichloropropane	14.89	110	19322	47.77 ug/L	98
112) n-propylbenzene	14.88	91	363440	48.55 ug/L	100
114) 2-chlorotoluene	15.04	126	76090	46.70 ug/L	97
115) 4-chlorotoluene	15.14	91	224001	46.21 ug/L	99
116) 1,3,5-trimethylbenzene	15.03	105	251383	45.49 ug/L	100
117) tert-butylbenzene	15.37	119	209511	46.58 ug/L	98
118) pentachloroethane	15.47	167	56300	50.52 ug/L	99
119) 1,2,4-trimethylbenzene	15.42	105	261970	48.01 ug/L	98
120) sec-butylbenzene	15.58	105	322997	45.50 ug/L	100
121) 1,3-dichlorobenzene	15.78	146	162610	47.76 ug/L	99
122) p-isopropyltoluene	15.70	119	275280	46.91 ug/L	99
123) 1,4-dichlorobenzene	15.87	146	167004	47.24 ug/L	99
124) 1,2-dichlorobenzene	16.27	146	157292	48.09 ug/L	99
125) n-butylbenzene	16.11	92	141423	46.59 ug/L	97
127) 1,2-dibromo-3-chloropropan	17.05	157	17503	49.30 ug/L	96
128) 1,3,5-Trichlorobenzene	17.20	180	129816	46.60 ug/L	99
129) 1,2,4-trichlorobenzene	17.84	180	116070	49.72 ug/L	99
131) hexachlorobutadiene	17.93	225	65606	46.65 ug/L	99
132) naphthalene	18.12	128	239203	50.31 ug/L	100
133) 1,2,3-trichlorobenzene	18.37	180	107330	49.48 ug/L	100
134) hexachloroethane	16.50	119	53847	46.71 ug/L	99
135) Benzyl chloride	15.99	91	166206	50.89 ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146829.D
Acq On : 27 Jun 2014 11:00 am
Operator : prashans
Sample : BS
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:27:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120712.D
Acq On : 27 Jun 2014 11:50 pm
Operator : payalr
Sample : bs
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 28 16:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	8.352	65	129069	500.00	ug/L		-0.01
5) pentafluorobenzene	10.822	168	284943	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.734	114	325247	50.00	ug/L		0.00
90) chlorobenzene-d5	14.723	117	258219	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.878	152	136940	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.832	113	106039	47.45	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 94.90%				
52) 1,2-dichloroethane-d4 (s)	11.268	65	96683	45.70	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 91.40%				
82) toluene-d8 (s)	13.318	98	340171	51.50	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 103.00%				
108) 4-bromofluorobenzene (s)	15.792	95	107138	51.53	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.06%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.489	59	82416	258.19	ug/L		97
4) 1,4-dioxane	12.421	88	36693	1219.29	ug/L		92
9) chlorodifluoromethane	4.473	51	160471	51.44	ug/L		95
10) dichlorodifluoromethane	4.457	85	170833	42.86	ug/L		97
12) chloromethane	4.850	50	244652	49.00	ug/L		100
13) vinyl chloride	5.159	62	248820	50.26	ug/L		99
15) bromomethane	5.883	94	145565	47.28	ug/L		98
16) chloroethane	6.077	64	111784	58.30	ug/L		98
18) trichlorofluoromethane	6.675	101	231797	49.13	ug/L		95
20) ethyl ether	7.126	74	66106	53.83	ug/L	#	84
21) acrolein	7.361	56	252525	454.12	ug/L		100
22) 2-chloropropane	7.330	43	225902	47.19	ug/L		98
24) 1,1-dichloroethene	7.587	96	131372	50.07	ug/L		94
25) acetone	7.629	43	37997	45.24	ug/L		89
26) allyl chloride	8.185	76	68100	55.96	ug/L	#	82
27) acetonitrile	8.090	40	84299	450.33	ug/L		99
28) iodomethane	7.881	142	282649	53.15	ug/L		99
29) iso-butyl alcohol	11.100	74	13352	493.81	ug/L		94
30) carbon disulfide	8.033	76	530956	53.03	ug/L		98
31) methylene chloride	8.384	84	141446	47.93	ug/L		94
32) methyl acetate	8.185	74	17544	45.35	ug/L	#	85
33) 1-chloropropane	8.452	42	179684	41.75	ug/L		99
34) methyl tert butyl ether	8.814	73	769878	96.48	ug/L		100
35) trans-1,2-dichloroethene	8.824	96	113656	47.16	ug/L		99
36) di-isopropyl ether	9.490	45	398113	46.71	ug/L		98
37) 2-butanone	10.203	72	14102	51.29	ug/L		88
38) 1,1-dichloroethane	9.443	63	213616	50.50	ug/L		98
39) chloroprene	9.579	53	122402	41.56	ug/L		98
40) acrylonitrile	8.730	53	243787	249.37	ug/L		99
41) vinyl acetate	9.448	86	19474	56.09	ug/L		74
42) ethyl tert-butyl ether	9.993	59	395900	45.98	ug/L		100
43) ethyl acetate	10.256	45	13071	45.07	ug/L		86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120712.D
Acq On : 27 Jun 2014 11:50 pm
Operator : payalr
Sample : bs
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 28 16:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2-dichloropropane	10.271	77	171464	45.20	ug/L		97
45) cis-1,2-dichloroethene	10.235	96	132258	49.92	ug/L		94
46) propionitrile	10.282	54	185595	487.02	ug/L		99
47) bromochloromethane	10.554	128	67714	51.69	ug/L		96
48) tetrahydrofuran	10.623	42	38723	52.76	ug/L		98
49) chloroform	10.628	83	194566	48.74	ug/L		98
50) t-butyl formate	10.707	59	98683	47.30	ug/L		99
53) freon 113	7.608	151	121963	53.51	ug/L		99
54) methacrylonitrile	10.497	41	64411	48.56	ug/L		97
55) 1,1,1-trichloroethane	10.927	97	193124	50.96	ug/L		98
56) Cyclohexane	11.026	84	204225	53.02	ug/L		90
61) epichlorohydrin	12.914	57	46109	230.12	ug/L		97
62) n-butyl alcohol	11.839	56	177039	2276.30	ug/L		98
63) carbon tetrachloride	11.142	117	170974	49.20	ug/L		99
64) 1,1-dichloropropene	11.105	75	125455	47.36	ug/L		100
66) benzene	11.367	78	413020	48.40	ug/L		99
67) 2,2,4-trimethylpentane	11.435	57	358984	42.55	ug/L		96
68) tert-amyl methyl ether	11.435	73	358318	42.08	ug/L		99
69) heptane	11.598	57	55748	44.07	ug/L		98
70) isopropyl acetate	11.309	43	185913	42.78	ug/L		99
71) 1,2-dichloroethane	11.357	62	122360	48.52	ug/L		95
72) trichloroethene	12.070	95	104476	53.35	ug/L		98
74) 2-nitropropane	13.124	46	6131	48.86	ug/L	#	93
75) 2-chloroethyl vinyl ether	12.819	63	283171	247.04	ug/L		99
76) methyl methacrylate	12.332	100	23376	49.56	ug/L	#	85
77) 1,2-dichloropropane	12.316	63	103939	51.83	ug/L		98
78) dibromomethane	12.447	93	65879	52.96	ug/L		96
79) methylcyclohexane	12.316	83	180337	44.73	ug/L		97
80) bromodichloromethane	12.573	83	136021	52.28	ug/L		99
81) cis-1,3-dichloropropene	13.019	75	150889	51.24	ug/L		95
83) 4-methyl-2-pentanone	13.129	58	46384	46.96	ug/L		96
84) toluene	13.386	92	226789	53.63	ug/L		97
85) 3-methyl-1-butanol	13.129	55	106364	908.92	ug/L		99
86) trans-1,3-dichloropropene	13.543	75	126087	48.69	ug/L		99
87) ethyl methacrylate	13.564	69	117216	52.14	ug/L		96
88) 1,1,2-trichloroethane	13.742	83	74248	52.10	ug/L		95
89) 2-hexanone	13.921	58	33158	48.76	ug/L		97
92) tetrachloroethene	13.936	164	89142	53.17	ug/L		96
93) 1,3-dichloropropane	13.915	76	136177	52.78	ug/L		95
94) butyl acetate	13.999	56	57053	45.58	ug/L		96
95) 3,3-dimethyl-1-butanol	14.073	57	140815	417.37	ug/L		98
96) dibromochloromethane	14.156	129	106791	51.45	ug/L		99
97) 1,2-dibromoethane	14.303	107	90018	52.03	ug/L		97
98) chlorobenzene	14.749	112	246975	52.20	ug/L		99
99) 1,1,1,2-tetrachloroethane	14.801	131	121514	52.48	ug/L		100
100) ethylbenzene	14.812	91	394126	52.37	ug/L		100
101) m,p-xylene	14.911	106	317082	108.08	ug/L		99
102) o-xylene	15.299	106	180609	53.85	ug/L		98
103) styrene	15.299	104	260939	53.52	ug/L		97
105) bromoform	15.520	173	81049	49.52	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120712.D
Acq On : 27 Jun 2014 11:50 pm
Operator : payalr
Sample : bs
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 28 16:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

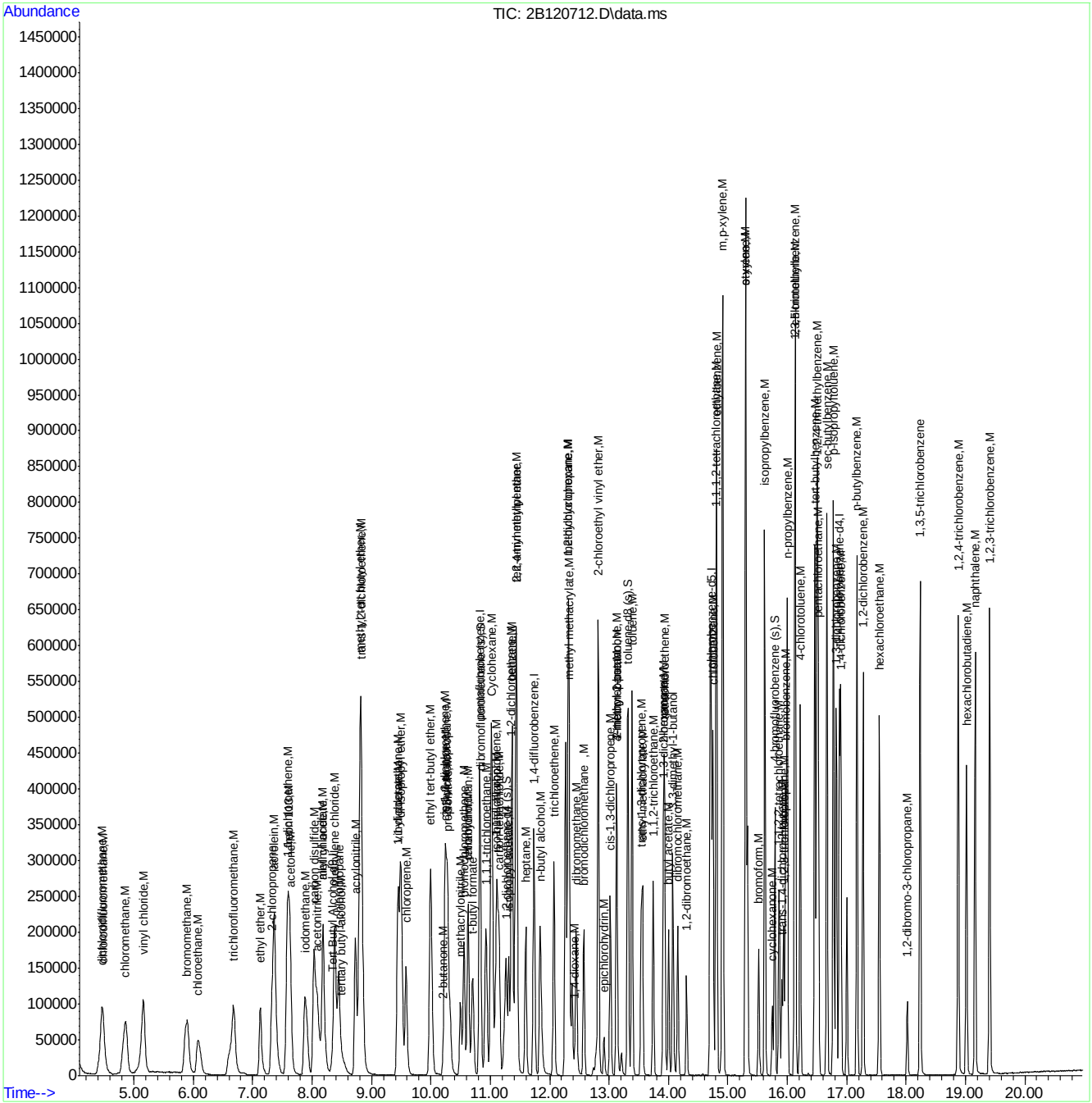
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) isopropylbenzene	15.619	105	479329	59.05	ug/L	98
109) cyclohexanone	15.750	98	18257	161.94	ug/L	96
110) bromobenzene	15.971	156	120332	54.13	ug/L	93
111) 1,1,2,2-tetrachloroethane	15.860	83	125226	49.16	ug/L	98
112) trans-1,4-dichloro-2-b...	15.908	53	21428	44.83	ug/L	98
113) 1,2,3-trichloropropane	15.939	110	28915	52.04	ug/L	98
114) n-propylbenzene	16.002	91	485527	58.27	ug/L	99
115) 2-chlorotoluene	16.128	126	110737	55.11	ug/L	95
116) 4-chlorotoluene	16.217	91	267073	51.51	ug/L	99
117) 1,3,5-trimethylbenzene	16.138	105	382300	57.79	ug/L	99
118) tert-butylbenzene	16.469	119	369747	48.41	ug/L	99
119) pentachloroethane	16.521	167	98449	54.23	ug/L	97
120) 1,2,4-trimethylbenzene	16.500	105	383683	59.02	ug/L	99
121) sec-butylbenzene	16.668	105	526852	55.11	ug/L	99
122) 1,3-dichlorobenzene	16.825	146	213247	49.44	ug/L	99
123) p-isopropyltoluene	16.778	119	439070	53.21	ug/L	99
124) 1,4-dichlorobenzene	16.904	146	211900	48.98	ug/L	98
125) 1,2-dichlorobenzene	17.276	146	235944	50.40	ug/L	98
126) n-butylbenzene	17.171	92	206075	55.42	ug/L	98
127) 1,2-dibromo-3-chloropr...	18.021	75	22851	46.19	ug/L	92
128) 1,3,5-trichlorobenzene	18.236	180	237933	51.73	ug/L	97
129) 1,2,4-trichlorobenzene	18.880	180	231607	51.32	ug/L	97
130) hexachlorobutadiene	19.022	225	105800	52.05	ug/L	99
131) naphthalene	19.164	128	481968	50.40	ug/L	100
132) 1,2,3-trichlorobenzene	19.405	180	227700	50.80	ug/L	99
133) hexachloroethane	17.549	201	98922	47.39	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120712.D
Acq On : 27 Jun 2014 11:50 pm
Operator : payalr
Sample : bs
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 28 16:02:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146862.D
Acq On : 30 Jun 2014 12:42 pm
Operator : prashans
Sample : BS
Misc : MS69889,VY6383,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:57:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	64349	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	176042	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	207208	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	175977	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	91229	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	65437	47.62	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.24%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	66263	45.62	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 91.24%			
80) toluene-d8 (s)	12.06	98	252346	52.66	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.32%			
105) 4-bromofluorobenzene (s)	14.70	95	87565	47.91	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.82%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	19664	1276.18	ug/L	98
4) tertiary butyl alcohol	7.47	59	47521	278.82	ug/L	96
11) chlorodifluoromethane	3.97	51	59029	51.61	ug/L	98
12) dichlorodifluoromethane	3.94	85	72098	53.95	ug/L	94
13) chloromethane	4.28	50	99019	52.55	ug/L	100
14) vinyl chloride	4.53	62	92097	54.63	ug/L	99
16) bromomethane	5.19	94	62722	51.98	ug/L	97
17) chloroethane	5.36	64	42596	54.85	ug/L	93
19) trichlorofluoromethane	5.80	101	97582	53.97	ug/L	97
20) ethyl ether	6.20	74	38137	52.03	ug/L	96
21) 2-chloropropane	6.41	63	28481	55.70	ug/L	90
22) acrolein	6.51	56	136808	490.27	ug/L	98
23) 1,1-dichloroethene	6.64	61	100307	53.86	ug/L	97
24) acetone	6.74	43	23256	29.47	ug/L	95
25) allyl chloride	7.17	76	35327	53.35	ug/L	90
26) acetonitrile	7.21	40	57163	541.96	ug/L	91
27) iodomethane	6.93	142	121934	51.82	ug/L	97
28) carbon disulfide	7.04	76	224771	50.60	ug/L	99
29) 1-chloropropane	7.38	42	125742	50.90	ug/L	99
30) methylene chloride	7.38	49	104154	45.32	ug/L	92
31) methyl acetate	7.17	74	10246	53.62	ug/L #	89
32) methyl tert butyl ether	7.66	73	408563	100.89	ug/L	99
33) trans-1,2-dichloroethene	7.72	61	99898	53.49	ug/L	99
34) di-isopropyl ether	8.23	45	253097	52.27	ug/L	99
35) ethyl tert-butyl ether	8.69	59	227999	50.34	ug/L	100
36) 2-butanone	9.02	72	8133	43.41	ug/L #	53
37) 1,1-dichloroethane	8.29	63	128648	52.89	ug/L	98
38) chloroprene	8.38	53	91013	52.73	ug/L	97
39) acrylonitrile	7.74	53	126169	282.10	ug/L	98
40) vinyl acetate	8.28	86	11551	60.79	ug/L	84
41) ethyl acetate	9.01	45	11305	56.48	ug/L	64
42) 2,2-dichloropropane	9.02	77	92540	48.74	ug/L	97
43) cis-1,2-dichloroethene	9.03	96	78011	49.68	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146862.D
Acq On : 30 Jun 2014 12:42 pm
Operator : prashans
Sample : BS
Misc : MS69889,VY6383,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:57:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) propionitrile	9.15	54	100255	582.99 ug/L		96
45) bromochloromethane	9.35	130	50091	51.22 ug/L		95
46) tetrahydrofuran	9.37	72	9311	52.34 ug/L		92
47) chloroform	9.40	83	123362	50.48 ug/L		99
48) tert-Butyl Formate	9.41	59	49825	54.39 ug/L		98
49) isobutyl alcohol	9.85	41	27998	568.86 ug/L	#	98
52) freon 113	6.57	151	50337	56.53 ug/L		97
53) methacrylonitrile	9.31	67	27553	53.01 ug/L		92
54) 1,1,1-trichloroethane	9.62	97	100575	52.96 ug/L		99
55) Cyclohexane	9.66	84	98466	50.79 ug/L	#	97
56) 2,2,4-trimethylpentane	10.01	57	230026	46.05 ug/L		99
57) tert-amyl methyl ether	10.07	73	220268	49.97 ug/L		99
59) epichlorohydrin	11.72	57	34775	273.46 ug/L		98
60) n-butyl alcohol	10.59	56	123999	3089.68 ug/L		97
61) carbon tetrachloride	9.81	117	90807	54.87 ug/L		96
62) 1,1-dichloropropene	9.80	75	92009	54.64 ug/L		98
63) hexane	7.96	57	84130	49.01 ug/L		100
65) benzene	10.06	78	285058	52.01 ug/L		99
66) heptane	10.18	57	48319	47.54 ug/L		96
67) isopropyl acetate	9.98	61	29849	55.36 ug/L		94
68) 1,2-dichloroethane	10.11	62	87059	56.34 ug/L		98
69) trichloroethene	10.77	95	71344	53.67 ug/L		99
71) 2-nitropropane	11.58	41	22488	51.80 ug/L	#	40
72) 2-chloroethyl vinyl ether	11.57	63	138705	245.24 ug/L		98
73) methyl methacrylate	11.04	69	47584	54.41 ug/L		99
74) 1,2-dichloropropane	11.05	63	74938	53.01 ug/L		99
75) methylcyclohexane	10.95	83	109706	50.16 ug/L		98
77) dibromomethane	11.22	93	43725	53.37 ug/L		99
78) bromodichloromethane	11.34	83	97485	53.57 ug/L		99
79) cis-1,3-dichloropropene	11.79	75	120446	52.35 ug/L		98
81) 4-methyl-2-pentanone	11.88	58	28711	56.58 ug/L		94
82) toluene	12.12	91	297043	50.41 ug/L		98
83) 3-methyl-1-butanol	11.91	70	43520	1158.93 ug/L		95
84) trans-1,3-dichloropropene	12.35	75	107687	53.65 ug/L		99
85) ethyl methacrylate	12.32	69	89414	53.89 ug/L		96
86) 1,1,2-trichloroethane	12.56	83	54325	53.15 ug/L		97
87) 2-hexanone	12.72	58	29250	51.74 ug/L		98
89) tetrachloroethene	12.69	166	80231	53.41 ug/L		99
90) 1,3-dichloropropane	12.74	76	100589	53.96 ug/L		100
91) butyl acetate	12.78	56	47504	55.51 ug/L		99
92) dibromochloromethane	13.00	129	78786	54.10 ug/L		99
93) 1,2-dibromoethane	13.15	107	64671	53.94 ug/L		98
94) 3,3-Dimethyl-1-Butanol	12.89	57	79804	568.38 ug/L		99
96) chlorobenzene	13.59	112	193049	52.16 ug/L		99
97) 1,1,1,2-tetrachloroethane	13.64	131	70921	53.23 ug/L		99
98) ethylbenzene	13.62	91	319414	51.82 ug/L		99
99) m,p-xylene	13.73	106	249539	102.97 ug/L		99
100) o-xylene	14.14	91	255815	52.00 ug/L		98
101) styrene	14.16	104	210997	54.27 ug/L		100
102) bromoform	14.45	173	55040	54.71 ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146862.D
Acq On : 30 Jun 2014 12:42 pm
Operator : prashans
Sample : BS
Misc : MS69889,VY6383,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:57:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

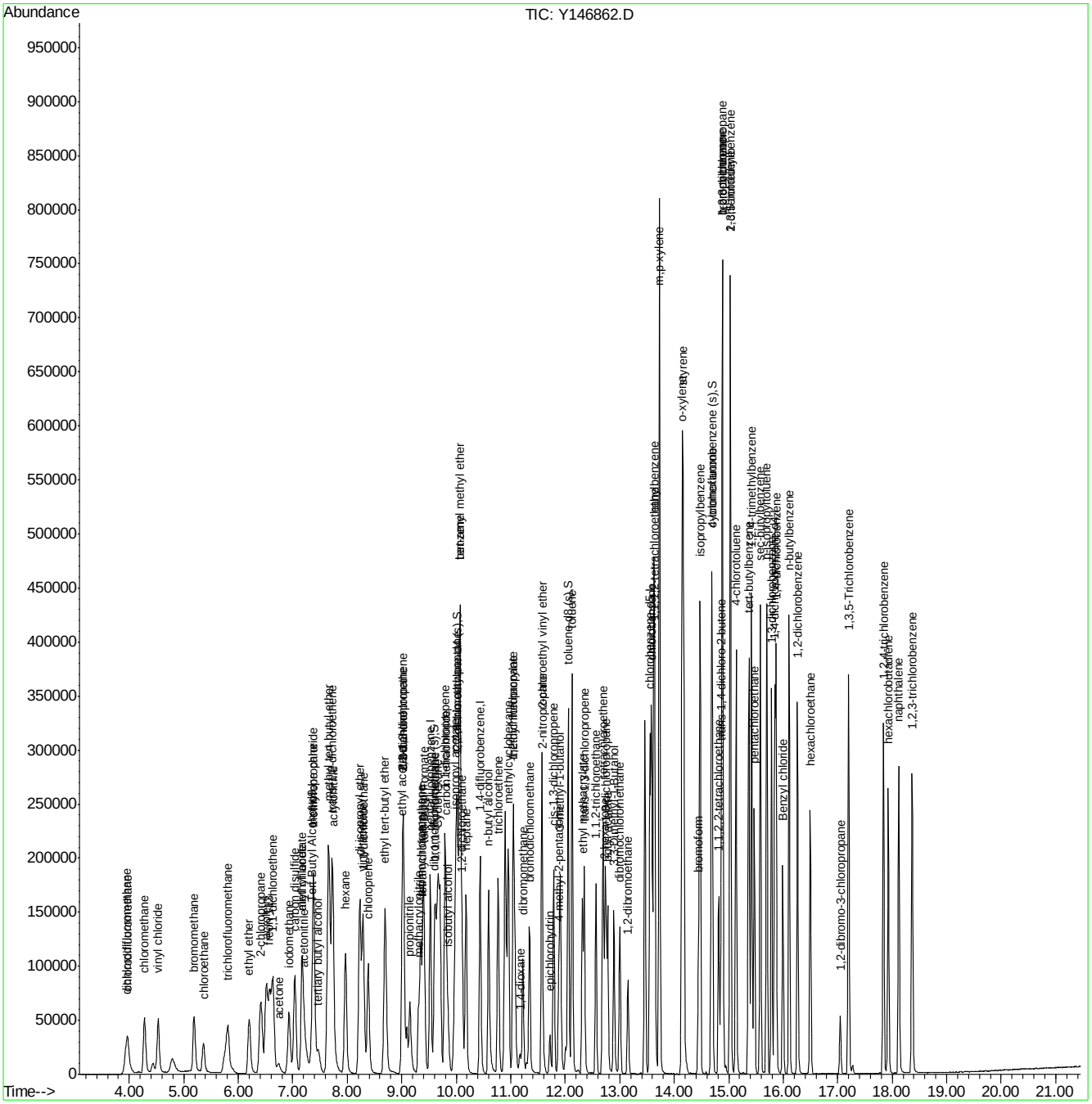
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.48	105	307700	51.27	ug/L	100
107) bromobenzene	14.89	156	88810	53.52	ug/L	97
108) cyclohexanone	14.69	55	128094	438.45	ug/L	99
109) 1,1,2,2-tetrachloroethane	14.82	83	89461	53.52	ug/L	99
110) trans-1,4-dichloro-2-buten	14.86	53	22195	55.55	ug/L	96
111) 1,2,3-trichloropropane	14.89	110	19326	53.14	ug/L	99
112) n-propylbenzene	14.88	91	356251	52.92	ug/L	100
114) 2-chlorotoluene	15.04	126	77035	52.58	ug/L	98
115) 4-chlorotoluene	15.14	91	222795	51.12	ug/L	98
116) 1,3,5-trimethylbenzene	15.03	105	256843	51.69	ug/L	99
117) tert-butylbenzene	15.37	119	215819	53.37	ug/L	99
118) pentachloroethane	15.47	167	54291	54.18	ug/L	98
119) 1,2,4-trimethylbenzene	15.42	105	249445	50.84	ug/L	99
120) sec-butylbenzene	15.58	105	333074	52.18	ug/L	100
121) 1,3-dichlorobenzene	15.79	146	163027	53.26	ug/L	98
122) p-isopropyltoluene	15.70	119	277673	52.62	ug/L	99
123) 1,4-dichlorobenzene	15.87	146	164063	51.61	ug/L	99
124) 1,2-dichlorobenzene	16.27	146	154682	52.59	ug/L	99
125) n-butylbenzene	16.11	92	138906	50.89	ug/L	97
127) 1,2-dibromo-3-chloropropan	17.05	157	17384	54.46	ug/L	99
128) 1,3,5-Trichlorobenzene	17.20	180	129828	51.83	ug/L	100
129) 1,2,4-trichlorobenzene	17.84	180	113156	53.90	ug/L	100
131) hexachlorobutadiene	17.93	225	64962	51.37	ug/L	98
132) naphthalene	18.12	128	236557	55.33	ug/L	99
133) 1,2,3-trichlorobenzene	18.37	180	103981	53.31	ug/L	99
134) hexachloroethane	16.50	119	55037	53.10	ug/L	100
135) Benzyl chloride	15.99	91	143609	48.91	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146862.D
Acq On : 30 Jun 2014 12:42 pm
Operator : prashans
Sample : BS
Misc : MS69889,VY6383,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 16:57:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146762.D
Acq On : 25 Jun 2014 7:10 pm
Operator : prashans
Sample : JB70081-2MS
Misc : MS69678,VY6378,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 12:13:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	58210	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	196415	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	236028	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	200835	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	103226	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	74559	48.63	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 97.26%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	69133	42.66	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 85.32%				
80) toluene-d8 (s)	12.06	98	286300	52.45	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.90%				
105) 4-bromofluorobenzene (s)	14.70	95	98127	47.45	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 94.90%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	15645	1122.43	ug/L	#	99
4) tertiary butyl alcohol	7.48	59	35161	228.05	ug/L		98
11) chlorodifluoromethane	3.96	51	62870	49.27	ug/L		98
12) dichlorodifluoromethane	3.95	85	80819	54.20	ug/L		98
13) chloromethane	4.27	50	102788	48.89	ug/L		99
14) vinyl chloride	4.53	62	97363	51.77	ug/L		98
16) bromomethane	5.19	94	66950	49.73	ug/L		99
17) chloroethane	5.36	64	44990	51.92	ug/L		99
19) trichlorofluoromethane	5.81	101	103701	51.40	ug/L		96
20) ethyl ether	6.20	74	37538	45.90	ug/L		100
21) 2-chloropropane	6.42	63	30868	54.11	ug/L		98
22) acrolein	6.52	56	106346	341.58	ug/L		99
23) 1,1-dichloroethene	6.64	61	108678	52.30	ug/L		97
24) acetone	6.74	43	42148	47.88	ug/L		92
25) allyl chloride	7.18	76	40985	55.48	ug/L		98
26) acetonitrile	7.22	40	41427	352.03	ug/L		95
27) iodomethane	6.94	142	137129	52.23	ug/L		100
28) carbon disulfide	7.04	76	247360	49.91	ug/L		99
29) 1-chloropropane	7.38	42	128673	46.68	ug/L		99
30) methylene chloride	7.38	49	106514	41.54	ug/L		99
31) methyl acetate	7.17	74	8923	41.85	ug/L		96
32) methyl tert butyl ether	7.66	73	198360	43.90	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	108390	52.02	ug/L		98
34) di-isopropyl ether	8.23	45	234166	43.34	ug/L		98
35) ethyl tert-butyl ether	8.70	59	220754	43.69	ug/L		99
36) 2-butanone	9.02	72	11528	55.14	ug/L	#	53
37) 1,1-dichloroethane	8.29	63	136544	50.32	ug/L		98
38) chloroprene	8.38	53	95356	49.52	ug/L		99
39) acrylonitrile	7.74	53	98051	196.49	ug/L		98
40) vinyl acetate	8.28	86	7753	36.57	ug/L		90
41) ethyl acetate	9.01	45	8375	37.50	ug/L	#	24
42) 2,2-dichloropropane	9.02	77	104422	49.29	ug/L		99
43) cis-1,2-dichloroethene	9.03	96	85108	48.58	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146762.D
Acq On : 25 Jun 2014 7:10 pm
Operator : prashans
Sample : JB70081-2MS
Misc : MS69678,VY6378,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 12:13:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) propionitrile	9.15	54	78099	407.05 ug/L		99
45) bromochloromethane	9.35	130	50938	46.68 ug/L		99
46) tetrahydrofuran	9.38	72	7894	39.78 ug/L		96
47) chloroform	9.40	83	131846	48.36 ug/L		99
48) tert-Butyl Formate	9.41	59	34596	33.85 ug/L		93
49) isobutyl alcohol	9.85	41	18611	338.92 ug/L	#	99
52) freon 113	6.58	151	48271	48.59 ug/L		99
53) methacrylonitrile	9.31	67	22992	39.65 ug/L		96
54) 1,1,1-trichloroethane	9.62	97	108975	51.43 ug/L		98
55) Cyclohexane	9.67	84	100531	46.47 ug/L	#	97
56) 2,2,4-trimethylpentane	10.01	57	196983	35.35 ug/L		96
57) tert-amyl methyl ether	10.07	73	207578	42.21 ug/L		98
59) epichlorohydrin	11.72	57	26908	185.76 ug/L		96
60) n-butyl alcohol	10.60	56	89680	1961.70 ug/L		99
61) carbon tetrachloride	9.82	117	96670	51.28 ug/L		99
62) 1,1-dichloropropene	9.80	75	98549	51.38 ug/L		98
63) hexane	7.97	57	79274	40.54 ug/L		99
65) benzene	10.06	78	308975	49.49 ug/L		100
66) heptane	10.18	57	43102	37.23 ug/L		97
67) isopropyl acetate	9.98	61	23289	37.92 ug/L	#	27
68) 1,2-dichloroethane	10.11	62	83909	47.67 ug/L		99
69) trichloroethene	10.77	95	78056	51.55 ug/L		96
71) 2-nitropropane	11.58	41	18668	37.75 ug/L	#	63
72) 2-chloroethyl vinyl ether	11.57	63	128203	199.00 ug/L		99
73) methyl methacrylate	11.05	69	42364	42.53 ug/L		92
74) 1,2-dichloropropane	11.05	63	77030	47.84 ug/L		100
75) methylcyclohexane	10.96	83	107558	43.17 ug/L		99
77) dibromomethane	11.22	93	42363	45.39 ug/L		99
78) bromodichloromethane	11.34	83	100567	48.52 ug/L		97
79) cis-1,3-dichloropropene	11.79	75	124605	47.54 ug/L		100
81) 4-methyl-2-pentanone	11.88	58	24801	42.90 ug/L		93
82) toluene	12.13	91	319155	47.55 ug/L		99
83) 3-methyl-1-butanol	11.91	70	31774	742.82 ug/L		98
84) trans-1,3-dichloropropene	12.35	75	106528	46.59 ug/L		98
85) ethyl methacrylate	12.32	69	81751	43.25 ug/L		99
86) 1,1,2-trichloroethane	12.56	83	52658	45.23 ug/L		100
87) 2-hexanone	12.72	58	35496	55.12 ug/L		97
89) tetrachloroethene	12.69	166	105559	61.57 ug/L		99
90) 1,3-dichloropropane	12.75	76	96153	45.20 ug/L		99
91) butyl acetate	12.78	56	35940	36.80 ug/L		97
92) dibromochloromethane	13.00	129	78086	46.98 ug/L		99
93) 1,2-dibromoethane	13.15	107	61028	44.60 ug/L		98
94) 3,3-Dimethyl-1-Butanol	12.90	57	59006	368.23 ug/L		99
96) chlorobenzene	13.59	112	202784	48.01 ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	75410	49.59 ug/L		98
98) ethylbenzene	13.62	91	337504	47.97 ug/L		99
99) m,p-xylene	13.73	106	265003	95.81 ug/L		100
100) o-xylene	14.15	91	268299	47.79 ug/L		100
101) styrene	14.16	104	219296	49.43 ug/L		100
102) bromoform	14.45	173	50943	44.37 ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146762.D
Acq On : 25 Jun 2014 7:10 pm
Operator : prashans
Sample : JB70081-2MS
Misc : MS69678,VY6378,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 12:13:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

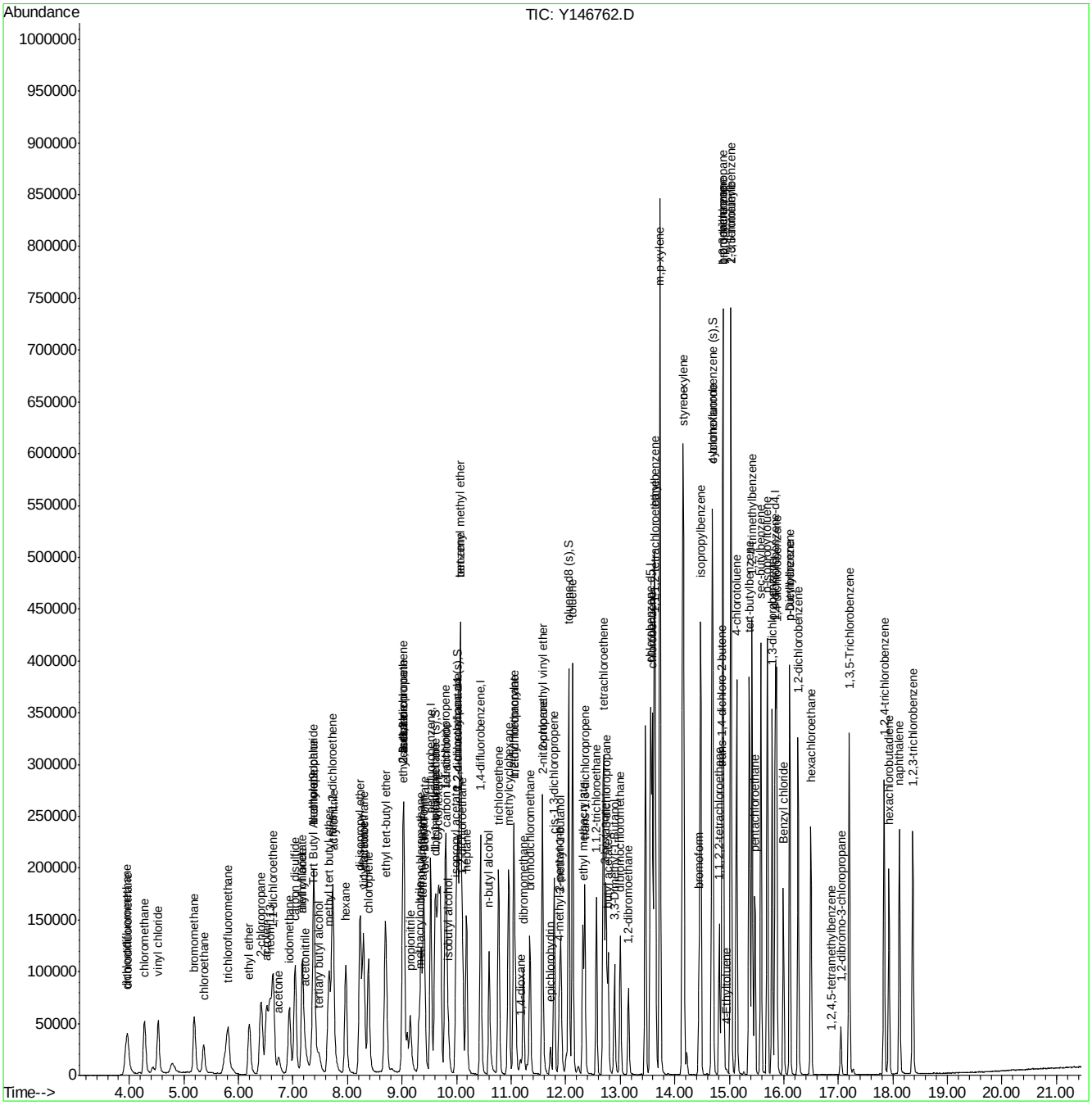
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) isopropylbenzene	14.48	105	317060	46.69	ug/L		99
107) bromobenzene	14.89	156	90042	47.95	ug/L		99
108) cyclohexanone	14.69	55	157436	476.25	ug/L		99
109) 1,1,2,2-tetrachloroethane	14.82	83	78433	41.47	ug/L		98
110) trans-1,4-dichloro-2-buten	14.86	53	19593	43.34	ug/L		99
111) 1,2,3-trichloropropane	14.89	110	17189	41.77	ug/L		96
112) n-propylbenzene	14.88	91	359038	47.14	ug/L		99
113) 4-Ethyltoluene	14.95	105	955	0.15	ug/L	#	53
114) 2-chlorotoluene	15.04	126	79262	47.81	ug/L		97
115) 4-chlorotoluene	15.14	91	227168	46.07	ug/L		99
116) 1,3,5-trimethylbenzene	15.03	105	260857	46.40	ug/L		99
117) tert-butylbenzene	15.37	119	214605	46.90	ug/L		100
118) pentachloroethane	15.47	167	39558	34.89	ug/L		99
119) 1,2,4-trimethylbenzene	15.42	105	254402	45.82	ug/L		99
120) sec-butylbenzene	15.58	105	322182	44.61	ug/L		99
121) 1,3-dichlorobenzene	15.79	146	162176	46.82	ug/L		98
122) p-isopropyltoluene	15.70	119	272157	45.58	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	161357	44.86	ug/L		100
124) 1,2-dichlorobenzene	16.27	146	150226	45.14	ug/L		99
125) n-butylbenzene	16.11	92	131187	42.48	ug/L		99
126) p-Diethylbenzene	16.11	119	2717	0.78	ug/L	#	1
127) 1,2-dibromo-3-chloropropan	17.05	157	15131	41.89	ug/L		96
128) 1,3,5-Trichlorobenzene	17.20	180	118726	41.89	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	98847	41.62	ug/L		99
130) 1,2,4,5-tetramethylbenzene	16.86	119	307	0.06	ug/L	#	37
131) hexachlorobutadiene	17.93	225	49504	34.60	ug/L		100
132) naphthalene	18.12	128	198654	41.07	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	86565	39.23	ug/L		99
134) hexachloroethane	16.50	119	53883	45.94	ug/L		100
135) Benzyl chloride	15.99	91	132622	39.91	ug/L		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146762.D
Acq On : 25 Jun 2014 7:10 pm
Operator : prashans
Sample : JB70081-2MS
Misc : MS69678,VY6378,5.2,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 26 12:13:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146798.D
Acq On : 26 Jun 2014 12:43 pm
Operator : prashans
Sample : JB69968-1MS
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 17:11:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	63977	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	202538	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.43	114	240394	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	205537	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.84	152	105310	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	75862	47.99	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.98%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	69747	41.74	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 83.48%				
80) toluene-d8 (s)	12.06	98	294136	52.91	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.82%				
105) 4-bromofluorobenzene (s)	14.70	95	100864	47.81	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.62%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	18249	1191.24	ug/L	#	98
4) tertiary butyl alcohol	7.47	59	40508	239.05	ug/L		97
11) chlorodifluoromethane	3.97	51	68642	52.17	ug/L		98
12) dichlorodifluoromethane	3.95	85	83327	54.19	ug/L		99
13) chloromethane	4.28	50	110611	51.02	ug/L		98
14) vinyl chloride	4.53	62	108896	56.15	ug/L		99
16) bromomethane	5.19	94	73580	53.00	ug/L		98
17) chloroethane	5.36	64	49236	55.11	ug/L		96
19) trichlorofluoromethane	5.81	101	115473	55.51	ug/L		97
20) ethyl ether	6.20	74	40078	47.53	ug/L		94
21) 2-chloropropane	6.41	63	33131	56.32	ug/L		99
22) acrolein	6.51	56	121129	377.30	ug/L		98
23) 1,1-dichloroethene	6.63	61	118432	55.28	ug/L		99
24) acetone	6.74	43	18922	20.84	ug/L		97
25) allyl chloride	7.17	76	42413	55.67	ug/L		96
26) acetonitrile	7.21	40	48356	398.48	ug/L		96
27) iodomethane	6.93	142	145876	53.88	ug/L		99
28) carbon disulfide	7.03	76	269873	52.81	ug/L		99
29) 1-chloropropane	7.38	42	136924	48.18	ug/L		93
30) methylene chloride	7.37	49	110044	41.62	ug/L		99
31) methyl acetate	7.17	74	9624	43.78	ug/L		96
32) methyl tert butyl ether	7.65	73	405235	86.98	ug/L		99
33) trans-1,2-dichloroethene	7.71	61	115429	53.72	ug/L		98
34) di-isopropyl ether	8.23	45	259497	46.58	ug/L		99
35) ethyl tert-butyl ether	8.69	59	244468	46.92	ug/L		99
36) 2-butanone	9.02	72	7403	34.34	ug/L	#	74
37) 1,1-dichloroethane	8.29	63	144696	51.71	ug/L		98
38) chloroprene	8.38	53	109017	54.90	ug/L		99
39) acrylonitrile	7.74	53	106312	206.61	ug/L		99
40) vinyl acetate	8.28	86	10440	47.76	ug/L		93
41) ethyl acetate	9.01	45	8572	37.22	ug/L		58
42) 2,2-dichloropropane	9.02	77	108825	49.82	ug/L		100
43) cis-1,2-dichloroethene	9.03	96	89627	49.61	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146798.D
Acq On : 26 Jun 2014 12:43 pm
Operator : prashans
Sample : JB69968-1MS
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 17:11:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) propionitrile	9.15	54	87130	440.39 ug/L		99
45) bromochloromethane	9.35	130	53943	47.94 ug/L		97
46) tetrahydrofuran	9.37	72	8740	42.71 ug/L		96
47) chloroform	9.39	83	140331	49.92 ug/L		98
48) tert-Butyl Formate	9.41	59	46993	44.59 ug/L		97
49) isobutyl alcohol	9.85	41	22344	394.59 ug/L	#	99
52) freon 113	6.57	151	58896	57.49 ug/L		99
53) methacrylonitrile	9.30	67	25549	42.72 ug/L		98
54) 1,1,1-trichloroethane	9.62	97	118509	54.24 ug/L		96
55) Cyclohexane	9.67	84	120101	53.84 ug/L	#	99
56) 2,2,4-trimethylpentane	10.01	57	289666	50.40 ug/L		92
57) tert-amyl methyl ether	10.07	73	239031	47.14 ug/L		98
59) epichlorohydrin	11.72	57	31057	210.51 ug/L		96
60) n-butyl alcohol	10.59	56	107084	2299.87 ug/L		99
61) carbon tetrachloride	9.81	117	108682	56.60 ug/L		99
62) 1,1-dichloropropene	9.79	75	109077	55.84 ug/L		98
63) hexane	7.97	57	97307	48.86 ug/L		100
65) benzene	10.06	78	351333	55.26 ug/L		99
66) heptane	10.18	57	57259	48.56 ug/L		98
67) isopropyl acetate	9.98	61	27576	44.09 ug/L	#	27
68) 1,2-dichloroethane	10.10	62	86912	48.48 ug/L		99
69) trichloroethene	10.77	95	85276	55.30 ug/L		99
71) 2-nitropropane	11.58	41	20770	41.23 ug/L	#	89
72) 2-chloroethyl vinyl ether	11.57	63	160858	245.15 ug/L		99
73) methyl methacrylate	11.04	69	44591	43.95 ug/L		95
74) 1,2-dichloropropane	11.05	63	81194	49.51 ug/L		99
75) methylcyclohexane	10.95	83	141345	55.70 ug/L		98
77) dibromomethane	11.22	93	44603	46.93 ug/L		99
78) bromodichloromethane	11.34	83	106054	50.23 ug/L		99
79) cis-1,3-dichloropropene	11.78	75	129792	48.62 ug/L		99
81) 4-methyl-2-pentanone	11.88	58	25867	43.94 ug/L		97
82) toluene	12.12	91	345680	50.56 ug/L		99
83) 3-methyl-1-butanol	11.91	70	38789	890.35 ug/L		96
84) trans-1,3-dichloropropene	12.35	75	111797	48.01 ug/L		97
85) ethyl methacrylate	12.31	69	88196	45.81 ug/L		99
86) 1,1,2-trichloroethane	12.56	83	54792	46.21 ug/L		98
87) 2-hexanone	12.72	58	22992	35.06 ug/L		98
89) tetrachloroethene	12.69	166	103545	59.01 ug/L		99
90) 1,3-dichloropropane	12.74	76	101677	46.70 ug/L		99
91) butyl acetate	12.78	56	42679	42.70 ug/L		94
92) dibromochloromethane	13.00	129	82738	48.64 ug/L		99
93) 1,2-dibromoethane	13.15	107	66040	47.16 ug/L		99
94) 3,3-Dimethyl-1-Butanol	12.89	57	67472	411.43 ug/L		98
96) chlorobenzene	13.58	112	222336	51.43 ug/L		98
97) 1,1,1,2-tetrachloroethane	13.65	131	80486	51.72 ug/L		98
98) ethylbenzene	13.62	91	376746	52.33 ug/L		100
99) m,p-xylene	13.73	106	293737	103.77 ug/L		99
100) o-xylene	14.14	91	296229	51.56 ug/L		99
101) styrene	14.16	104	240486	52.96 ug/L		99
102) bromoform	14.45	173	55428	47.17 ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146798.D
Acq On : 26 Jun 2014 12:43 pm
Operator : prashans
Sample : JB69968-1MS
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 17:11:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

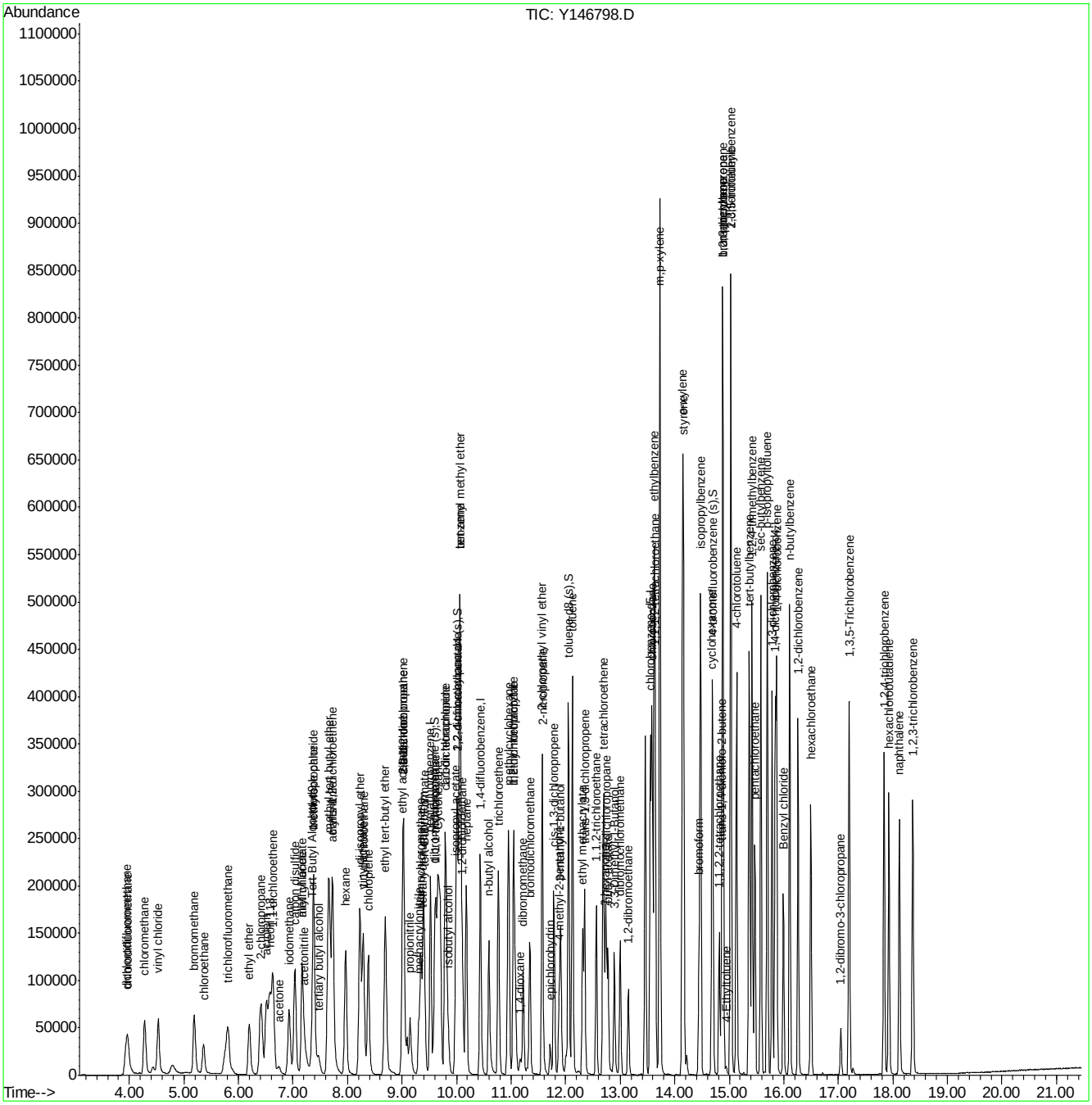
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) isopropylbenzene	14.47	105	366024	52.84	ug/L		99
107) bromobenzene	14.89	156	99477	51.93	ug/L		97
108) cyclohexanone	14.68	55	83741	248.31	ug/L		99
109) 1,1,2,2-tetrachloroethane	14.82	83	85420	44.27	ug/L		99
110) trans-1,4-dichloro-2-buten	14.85	53	20525	44.50	ug/L		96
111) 1,2,3-trichloropropane	14.89	110	18779	44.73	ug/L		95
112) n-propylbenzene	14.88	91	416541	53.61	ug/L		100
113) 4-Ethyltoluene	14.95	105	910	0.14	ug/L	#	53
114) 2-chlorotoluene	15.04	126	89448	52.89	ug/L		99
115) 4-chlorotoluene	15.14	91	257364	51.16	ug/L		99
116) 1,3,5-trimethylbenzene	15.03	105	300275	52.35	ug/L		99
117) tert-butylbenzene	15.37	119	252971	54.19	ug/L		99
118) pentachloroethane	15.47	167	54981	47.53	ug/L		98
119) 1,2,4-trimethylbenzene	15.42	105	292759	51.69	ug/L		99
120) sec-butylbenzene	15.58	105	392043	53.21	ug/L		99
121) 1,3-dichlorobenzene	15.78	146	183889	52.04	ug/L		98
122) p-isopropyltoluene	15.70	119	327045	53.69	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	185035	50.42	ug/L		99
124) 1,2-dichlorobenzene	16.26	146	169123	49.81	ug/L		100
125) n-butylbenzene	16.11	92	164119	52.09	ug/L		98
127) 1,2-dibromo-3-chloropropan	17.05	157	16419	44.56	ug/L		97
128) 1,3,5-Trichlorobenzene	17.20	180	146934	50.82	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	122829	50.69	ug/L		98
131) hexachlorobutadiene	17.93	225	75561	51.76	ug/L		100
132) naphthalene	18.12	128	232080	47.03	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	109683	48.72	ug/L		99
134) hexachloroethane	16.50	119	64542	53.94	ug/L		100
135) Benzyl chloride	15.99	91	140892	41.56	ug/L		100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146798.D
Acq On : 26 Jun 2014 12:43 pm
Operator : prashans
Sample : JB69968-1MS
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 17:11:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146799.D
Acq On : 26 Jun 2014 1:12 pm
Operator : prashans
Sample : JB69968-1MSD
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 17:11:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	60085	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	201379	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	237461	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	202832	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.84	152	104540	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	76150	48.45	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 96.90%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	69936	42.09	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 84.18%				
80) toluene-d8 (s)	12.06	98	293303	53.41	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 106.82%				
105) 4-bromofluorobenzene (s)	14.70	95	100471	47.97	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.94%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	16827	1169.56	ug/L	#	99
4) tertiary butyl alcohol	7.47	59	37312	234.45	ug/L		99
11) chlorodifluoromethane	3.97	51	61006	46.63	ug/L		98
12) dichlorodifluoromethane	3.94	85	79248	51.84	ug/L		95
13) chloromethane	4.28	50	99966	46.38	ug/L		99
14) vinyl chloride	4.53	62	97971	50.81	ug/L		99
16) bromomethane	5.19	94	66699	48.32	ug/L		97
17) chloroethane	5.36	64	44904	50.55	ug/L		95
19) trichlorofluoromethane	5.80	101	104351	50.45	ug/L		97
20) ethyl ether	6.20	74	36970	44.09	ug/L		98
21) 2-chloropropane	6.42	63	29882	51.09	ug/L		99
22) acrolein	6.52	56	112673	352.98	ug/L		99
23) 1,1-dichloroethene	6.64	61	106115	49.81	ug/L		98
24) acetone	6.75	43	17441	19.32	ug/L		95
25) allyl chloride	7.17	76	38444	50.76	ug/L		91
26) acetonitrile	7.22	40	46808	387.95	ug/L		98
27) iodomethane	6.93	142	132931	49.39	ug/L		100
28) carbon disulfide	7.04	76	244995	48.22	ug/L		100
29) 1-chloropropane	7.38	42	124471	44.05	ug/L		93
30) methylene chloride	7.38	49	103291	39.29	ug/L		99
31) methyl acetate	7.18	74	8729	39.93	ug/L		98
32) methyl tert butyl ether	7.66	73	430004	92.82	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	104461	48.89	ug/L		97
34) di-isopropyl ether	8.23	45	241153	43.54	ug/L		100
35) ethyl tert-butyl ether	8.70	59	228374	44.08	ug/L		100
36) 2-butanone	9.02	72	6753	31.51	ug/L	#	68
37) 1,1-dichloroethane	8.30	63	131917	47.41	ug/L		98
38) chloroprene	8.38	53	98962	50.13	ug/L		100
39) acrylonitrile	7.74	53	98798	193.11	ug/L		99
40) vinyl acetate	8.29	86	10082	46.39	ug/L		73
41) ethyl acetate	9.01	45	8274	36.14	ug/L		64
42) 2,2-dichloropropane	9.02	77	99311	45.72	ug/L		99
43) cis-1,2-dichloroethene	9.03	96	83137	46.28	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146799.D
Acq On : 26 Jun 2014 1:12 pm
Operator : prashans
Sample : JB69968-1MSD
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 17:11:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	80638	409.92	ug/L		100
45) bromochloromethane	9.35	130	50800	45.41	ug/L		92
46) tetrahydrofuran	9.38	72	8244	40.51	ug/L		94
47) chloroform	9.40	83	128873	46.10	ug/L		98
48) tert-Butyl Formate	9.41	59	43823	41.82	ug/L		97
49) isobutyl alcohol	9.85	41	20198	358.75	ug/L	#	98
52) freon 113	6.58	151	53053	52.09	ug/L		99
53) methacrylonitrile	9.31	67	24100	40.53	ug/L		96
54) 1,1,1-trichloroethane	9.62	97	109479	50.40	ug/L		96
55) Cyclohexane	9.67	84	109143	49.21	ug/L	#	100
56) 2,2,4-trimethylpentane	10.02	57	248678	43.52	ug/L	#	86
57) tert-amyl methyl ether	10.07	73	226852	44.99	ug/L		98
59) epichlorohydrin	11.72	57	28468	195.34	ug/L		96
60) n-butyl alcohol	10.60	56	94776	2060.67	ug/L		99
61) carbon tetrachloride	9.81	117	99241	52.33	ug/L		98
62) 1,1-dichloropropene	9.80	75	99342	51.48	ug/L		97
63) hexane	7.97	57	88061	44.76	ug/L		99
65) benzene	10.06	78	328711	52.34	ug/L		99
66) heptane	10.18	57	49674	42.65	ug/L		97
67) isopropyl acetate	9.98	61	25368	41.06	ug/L	#	27
68) 1,2-dichloroethane	10.11	62	81852	46.22	ug/L		98
69) trichloroethene	10.77	95	77666	50.99	ug/L		97
71) 2-nitropropane	11.58	41	19334	38.86	ug/L	#	75
72) 2-chloroethyl vinyl ether	11.57	63	148880	229.70	ug/L		98
73) methyl methacrylate	11.05	69	42367	42.28	ug/L		96
74) 1,2-dichloropropane	11.06	63	75922	46.86	ug/L		97
75) methylcyclohexane	10.95	83	127952	51.05	ug/L		99
77) dibromomethane	11.22	93	42317	45.07	ug/L		98
78) bromodichloromethane	11.34	83	98165	47.07	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	121486	46.07	ug/L		99
81) 4-methyl-2-pentanone	11.88	58	24276	41.74	ug/L		95
82) toluene	12.13	91	320047	47.39	ug/L		99
83) 3-methyl-1-butanol	11.91	70	35397	822.53	ug/L		97
84) trans-1,3-dichloropropene	12.35	75	105575	45.90	ug/L		99
85) ethyl methacrylate	12.32	69	83610	43.97	ug/L		99
86) 1,1,2-trichloroethane	12.57	83	52734	45.02	ug/L		99
87) 2-hexanone	12.72	58	21419	33.06	ug/L		97
89) tetrachloroethene	12.69	166	97838	56.50	ug/L		99
90) 1,3-dichloropropane	12.75	76	95776	44.58	ug/L		99
91) butyl acetate	12.78	56	39480	40.03	ug/L		97
92) dibromochloromethane	13.00	129	77275	46.04	ug/L		100
93) 1,2-dibromoethane	13.15	107	62376	45.14	ug/L		100
94) 3,3-Dimethyl-1-Butanol	12.90	57	65328	403.67	ug/L		99
96) chlorobenzene	13.59	112	205192	48.10	ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	74866	48.75	ug/L		99
98) ethylbenzene	13.62	91	346402	48.75	ug/L		99
99) m,p-xylene	13.73	106	270027	96.67	ug/L		100
100) o-xylene	14.15	91	271870	47.95	ug/L		100
101) styrene	14.16	104	223039	49.77	ug/L		100
102) bromoform	14.45	173	51868	44.73	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146799.D
Acq On : 26 Jun 2014 1:12 pm
Operator : prashans
Sample : JB69968-1MSD
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 17:11:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

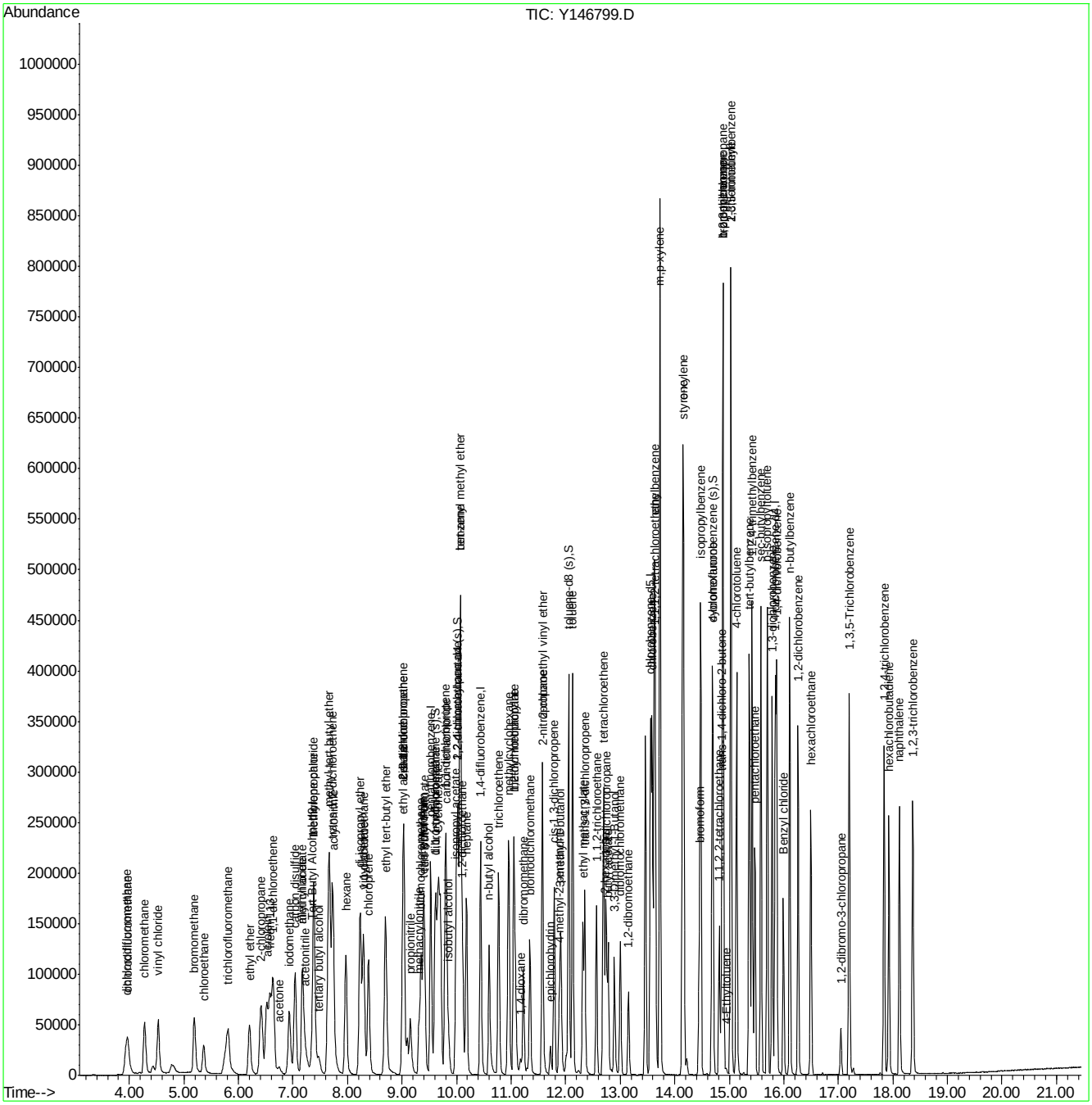
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) isopropylbenzene	14.48	105	336279	48.90	ug/L		99
107) bromobenzene	14.89	156	92984	48.90	ug/L		99
108) cyclohexanone	14.69	55	78837	235.49	ug/L		97
109) 1,1,2,2-tetrachloroethane	14.82	83	81456	42.52	ug/L		99
110) trans-1,4-dichloro-2-buten	14.86	53	19328	42.21	ug/L		96
111) 1,2,3-trichloropropane	14.89	110	17702	42.48	ug/L		96
112) n-propylbenzene	14.88	91	384963	49.91	ug/L		100
113) 4-Ethyltoluene	14.95	105	783	0.12	ug/L	#	53
114) 2-chlorotoluene	15.04	126	82891	49.37	ug/L		97
115) 4-chlorotoluene	15.14	91	236353	47.33	ug/L		100
116) 1,3,5-trimethylbenzene	15.03	105	279458	49.08	ug/L		100
117) tert-butylbenzene	15.37	119	234656	50.64	ug/L		99
118) pentachloroethane	15.47	167	50365	43.86	ug/L		98
119) 1,2,4-trimethylbenzene	15.42	105	269399	47.92	ug/L		98
120) sec-butylbenzene	15.58	105	358298	48.98	ug/L		100
121) 1,3-dichlorobenzene	15.79	146	171656	48.94	ug/L		98
122) p-isopropyltoluene	15.70	119	296738	49.07	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	171380	47.05	ug/L		99
124) 1,2-dichlorobenzene	16.27	146	159170	47.23	ug/L		99
125) n-butylbenzene	16.11	92	147940	47.30	ug/L		98
127) 1,2-dibromo-3-chloropropan	17.05	157	15473	42.30	ug/L		97
128) 1,3,5-Trichlorobenzene	17.20	180	135873	47.34	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	115451	47.99	ug/L		97
131) hexachlorobutadiene	17.93	225	63930	44.12	ug/L		100
132) naphthalene	18.12	128	221407	45.19	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	103143	46.15	ug/L		99
134) hexachloroethane	16.50	119	58954	49.63	ug/L		99
135) Benzyl chloride	15.99	91	130575	38.80	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146799.D
Acq On : 26 Jun 2014 1:12 pm
Operator : prashans
Sample : JB69968-1MSD
Misc : MS69579,VY6380,4.5,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 17:11:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146835.D
Acq On : 27 Jun 2014 2:11 pm
Operator : prashans
Sample : JB69905-7MS
Misc : MS69577,VY6381,6.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 30 16:30:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	54910	500.00	ug/L		0.00
5) pentafluorobenzene	9.53	168	203423	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	243755	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	205756	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	105900	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	78271	49.30	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 98.60%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	73138	43.57	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 87.14%				
80) toluene-d8 (s)	12.06	98	299020	53.04	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 106.08%				
105) 4-bromofluorobenzene (s)	14.70	95	102801	48.45	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.90%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	15373	1169.20	ug/L	#	98
4) tertiary butyl alcohol	7.47	59	34216	235.26	ug/L		99
11) chlorodifluoromethane	3.97	51	54189	41.00	ug/L		98
12) dichlorodifluoromethane	3.94	85	76452	49.50	ug/L		97
13) chloromethane	4.28	50	100285	46.06	ug/L		100
14) vinyl chloride	4.53	62	93633	48.07	ug/L		98
16) bromomethane	5.19	94	66790	47.90	ug/L		98
17) chloroethane	5.36	64	44267	49.33	ug/L		96
19) trichlorofluoromethane	5.81	101	103866	49.71	ug/L		98
20) ethyl ether	6.20	74	38374	45.31	ug/L		99
21) 2-chloropropane	6.41	63	29907	50.62	ug/L		96
22) acrolein	6.51	56	112567	349.10	ug/L		97
23) 1,1-dichloroethene	6.64	61	105211	48.89	ug/L		99
24) acetone	6.74	43	35257	38.67	ug/L		92
25) allyl chloride	7.17	76	38485	50.30	ug/L		95
26) acetonitrile	7.22	40	46567	382.07	ug/L		97
27) iodomethane	6.93	142	133402	49.06	ug/L		99
28) carbon disulfide	7.04	76	236132	46.00	ug/L		100
29) 1-chloropropane	7.39	42	127241	44.57	ug/L		99
30) methylene chloride	7.38	49	109774	41.34	ug/L		98
31) methyl acetate	7.18	74	9306	42.14	ug/L		97
32) methyl tert butyl ether	7.66	73	198923	42.51	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	105684	48.97	ug/L		98
34) di-isopropyl ether	8.23	45	246898	44.12	ug/L		99
35) ethyl tert-butyl ether	8.70	59	231163	44.17	ug/L		100
36) 2-butanone	9.02	72	9814	45.33	ug/L	#	77
37) 1,1-dichloroethane	8.30	63	136859	48.70	ug/L		97
38) chloroprene	8.38	53	96778	48.53	ug/L		98
39) acrylonitrile	7.75	53	99548	192.62	ug/L		100
40) vinyl acetate	8.28	86	8277	37.70	ug/L		97
41) ethyl acetate	9.01	45	8889	38.43	ug/L		60
42) 2,2-dichloropropane	9.02	77	105011	47.86	ug/L		97
43) cis-1,2-dichloroethene	9.03	96	85315	47.02	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146835.D
Acq On : 27 Jun 2014 2:11 pm
Operator : prashans
Sample : JB69905-7MS
Misc : MS69577,VY6381,6.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 30 16:30:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	79477	399.96	ug/L		99
45) bromochloromethane	9.35	130	51917	45.94	ug/L		97
46) tetrahydrofuran	9.38	72	7606	37.00	ug/L		100
47) chloroform	9.40	83	133579	47.31	ug/L		99
48) tert-Butyl Formate	9.41	59	35327	33.37	ug/L		92
49) isobutyl alcohol	9.85	41	19031	334.62	ug/L	#	99
52) freon 113	6.58	151	48397	47.04	ug/L		96
53) methacrylonitrile	9.31	67	23564	39.23	ug/L		99
54) 1,1,1-trichloroethane	9.62	97	108372	49.39	ug/L		99
55) Cyclohexane	9.67	84	101576	45.34	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	202001	35.00	ug/L		97
57) tert-amyl methyl ether	10.07	73	217650	42.73	ug/L		99
59) epichlorohydrin	11.72	57	28053	187.52	ug/L		96
60) n-butyl alcohol	10.60	56	89791	1901.87	ug/L		100
61) carbon tetrachloride	9.81	117	96067	49.34	ug/L		99
62) 1,1-dichloropropene	9.80	75	96555	48.75	ug/L		99
63) hexane	7.97	57	79815	39.52	ug/L		100
65) benzene	10.07	78	310660	48.19	ug/L		99
66) heptane	10.18	57	43184	36.12	ug/L		99
67) isopropyl acetate	9.99	61	25210	39.75	ug/L	#	28
68) 1,2-dichloroethane	10.11	62	85689	47.14	ug/L		97
69) trichloroethene	10.77	95	75356	48.19	ug/L		99
71) 2-nitropropane	11.58	41	18866	36.94	ug/L	#	74
72) 2-chloroethyl vinyl ether	11.57	63	133381	200.47	ug/L		99
73) methyl methacrylate	11.05	69	42782	41.59	ug/L		93
74) 1,2-dichloropropane	11.05	63	77895	46.84	ug/L		98
75) methylcyclohexane	10.96	83	111553	43.36	ug/L		98
77) dibromomethane	11.22	93	42462	44.06	ug/L		98
78) bromodichloromethane	11.34	83	103025	48.13	ug/L		100
79) cis-1,3-dichloropropene	11.79	75	123209	45.52	ug/L		100
81) 4-methyl-2-pentanone	11.88	58	24076	40.33	ug/L		93
82) toluene	12.13	91	320034	46.17	ug/L		100
83) 3-methyl-1-butanol	11.91	70	31649	716.45	ug/L		99
84) trans-1,3-dichloropropene	12.35	75	105579	44.72	ug/L		99
85) ethyl methacrylate	12.32	69	80473	41.23	ug/L		99
86) 1,1,2-trichloroethane	12.57	83	52709	43.84	ug/L		99
87) 2-hexanone	12.72	58	30783	46.29	ug/L		99
89) tetrachloroethene	12.69	166	86587	49.30	ug/L		97
90) 1,3-dichloropropane	12.74	76	97273	44.63	ug/L		100
91) butyl acetate	12.78	56	37669	37.65	ug/L		97
92) dibromochloromethane	13.00	129	77832	45.71	ug/L		99
93) 1,2-dibromoethane	13.15	107	61194	43.66	ug/L		98
94) 3,3-Dimethyl-1-Butanol	12.90	57	57280	348.91	ug/L		98
96) chlorobenzene	13.59	112	198060	45.77	ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	75640	48.55	ug/L		98
98) ethylbenzene	13.62	91	331869	46.04	ug/L		99
99) m,p-xylene	13.73	106	257029	90.71	ug/L		99
100) o-xylene	14.15	91	264115	45.92	ug/L		99
101) styrene	14.16	104	212374	46.72	ug/L		99
102) bromoform	14.45	173	49826	42.36	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146835.D
Acq On : 27 Jun 2014 2:11 pm
Operator : prashans
Sample : JB69905-7MS
Misc : MS69577,VY6381,6.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 30 16:30:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

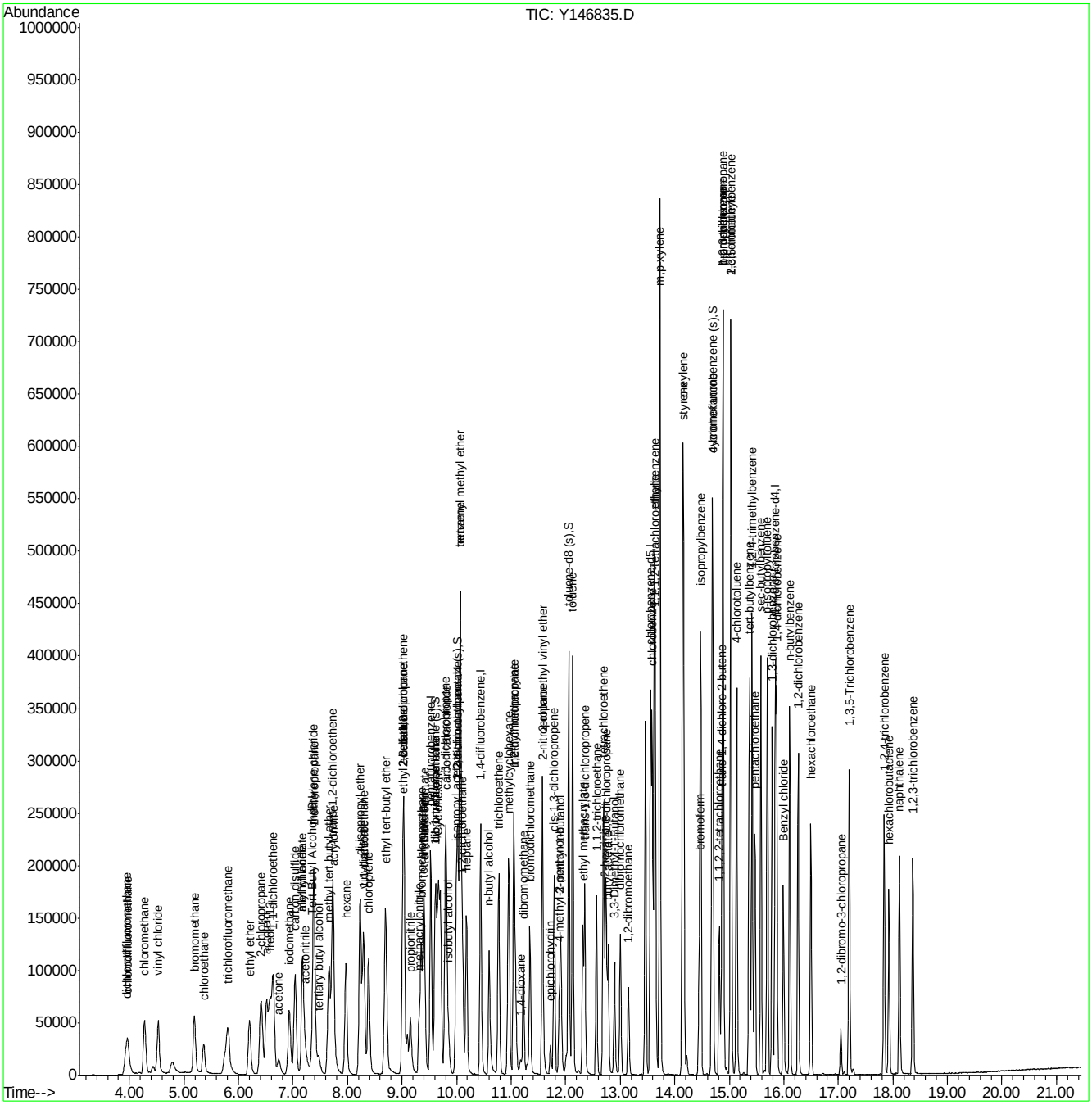
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
104) isopropylbenzene	14.48	105	309226	44.39 ug/L	100
107) bromobenzene	14.89	156	86448	44.88 ug/L	99
108) cyclohexanone	14.69	55	151836	447.71 ug/L	99
109) 1,1,2,2-tetrachloroethane	14.82	83	78006	40.20 ug/L	99
110) trans-1,4-dichloro-2-buten	14.86	53	18486	39.85 ug/L	96
111) 1,2,3-trichloropropane	14.89	110	17423	41.27 ug/L	99
112) n-propylbenzene	14.88	91	347196	44.43 ug/L	100
114) 2-chlorotoluene	15.04	126	76091	44.74 ug/L	96
115) 4-chlorotoluene	15.14	91	215970	42.69 ug/L	99
116) 1,3,5-trimethylbenzene	15.03	105	254132	44.06 ug/L	99
117) tert-butylbenzene	15.37	119	210340	44.81 ug/L	100
118) pentachloroethane	15.47	167	52002	44.71 ug/L	97
119) 1,2,4-trimethylbenzene	15.42	105	245946	43.18 ug/L	99
120) sec-butylbenzene	15.58	105	309677	41.79 ug/L	99
121) 1,3-dichlorobenzene	15.79	146	150974	42.49 ug/L	98
122) p-isopropyltoluene	15.70	119	258945	42.27 ug/L	99
123) 1,4-dichlorobenzene	15.87	146	151376	41.02 ug/L	98
124) 1,2-dichlorobenzene	16.27	146	140810	41.24 ug/L	99
125) n-butylbenzene	16.11	92	119416	37.69 ug/L	98
127) 1,2-dibromo-3-chloropropan	17.05	157	14053	37.93 ug/L	98
128) 1,3,5-Trichlorobenzene	17.20	180	107178	36.86 ug/L	99
129) 1,2,4-trichlorobenzene	17.84	180	87028	35.71 ug/L	99
131) hexachlorobutadiene	17.93	225	44677	30.44 ug/L	99
132) naphthalene	18.12	128	179342	36.14 ug/L	99
133) 1,2,3-trichlorobenzene	18.37	180	76320	33.71 ug/L	99
134) hexachloroethane	16.50	119	52971	44.02 ug/L	99
135) Benzyl chloride	15.99	91	135739	39.82 ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146835.D
Acq On : 27 Jun 2014 2:11 pm
Operator : prashans
Sample : JB69905-7MS
Misc : MS69577,VY6381,6.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 30 16:30:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120713.D
Acq On : 28 Jun 2014 12:22 am
Operator : payalr
Sample : jb69725-1ms
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 28 16:02:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	8.352	65	136807	500.00	ug/L		-0.01
5) pentafluorobenzene	10.822	168	298642	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.734	114	336260	50.00	ug/L		0.00
90) chlorobenzene-d5	14.718	117	270411	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.878	152	141535	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.832	113	111075	47.42	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 94.84%				
52) 1,2-dichloroethane-d4 (s)	11.268	65	103265	46.57	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 93.14%				
82) toluene-d8 (s)	13.318	98	350881	51.38	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 102.76%				
108) 4-bromofluorobenzene (s)	15.792	95	111405	51.84	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 103.68%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.484	59	91653	270.89	ug/L		98
4) 1,4-dioxane	12.426	88	40479	1269.01	ug/L		96
9) chlorodifluoromethane	4.478	51	124906	38.20	ug/L		94
10) dichlorodifluoromethane	4.473	85	107216	25.66	ug/L		98
12) chloromethane	4.866	50	222453	42.51	ug/L		96
13) vinyl chloride	5.165	62	170347	32.83	ug/L		99
15) bromomethane	5.899	94	136491	42.30	ug/L		96
16) chloroethane	6.077	64	75912	37.77	ug/L		97
18) trichlorofluoromethane	6.685	101	124881	25.26	ug/L		99
20) ethyl ether	7.131	74	62672	48.69	ug/L		87
21) acrolein	7.367	56	271199	465.33	ug/L		99
22) 2-chloropropane	7.330	43	142682	28.44	ug/L		99
24) 1,1-dichloroethene	7.597	96	77451	28.16	ug/L		96
25) acetone	7.634	43	39322	44.67	ug/L		93
26) allyl chloride	8.190	76	47064	36.90	ug/L		96
27) acetonitrile	8.096	40	87834	447.69	ug/L		96
28) iodomethane	7.891	142	232658	41.74	ug/L		100
29) iso-butyl alcohol	11.100	74	11215	395.75	ug/L	#	59
30) carbon disulfide	8.038	76	310975	29.63	ug/L		98
31) methylene chloride	8.384	84	132783	42.93	ug/L		97
32) methyl acetate	8.185	74	19766	48.75	ug/L		97
33) 1-chloropropane	8.452	42	129117	28.62	ug/L		99
34) methyl tert butyl ether	8.814	73	401436	48.00	ug/L		98
35) trans-1,2-dichloroethene	8.830	96	91572	36.25	ug/L		97
36) di-isopropyl ether	9.495	45	414312	46.38	ug/L		98
37) 2-butanone	10.209	72	13928	48.33	ug/L	#	84
38) 1,1-dichloroethane	9.443	63	181845	41.02	ug/L		98
39) chloroprene	9.579	53	98205	31.82	ug/L		96
40) acrylonitrile	8.730	53	250502	244.48	ug/L		99
41) vinyl acetate	9.448	86	18306	50.31	ug/L		70
42) ethyl tert-butyl ether	9.994	59	430168	47.67	ug/L		100
43) ethyl acetate	10.250	45	13608	44.77	ug/L		63

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120713.D
Acq On : 28 Jun 2014 12:22 am
Operator : payalr
Sample : jb69725-1ms
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 28 16:02:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,2-dichloropropane	10.271	77	127044	31.95	ug/L		95
45)	cis-1,2-dichloroethene	10.235	96	122979	44.29	ug/L		93
46)	propionitrile	10.282	54	192526	482.03	ug/L		98
47)	bromochloromethane	10.560	128	67533	49.19	ug/L		95
48)	tetrahydrofuran	10.628	42	34484	44.83	ug/L		97
49)	chloroform	10.628	83	176745	42.24	ug/L		98
50)	t-butyl formate	10.707	59	3050	1.39	ug/L		92
53)	freon 113	7.613	151	65960	27.61	ug/L		96
54)	methacrylonitrile	10.497	41	64404	46.32	ug/L		95
55)	1,1,1-trichloroethane	10.927	97	132079	33.25	ug/L		97
56)	Cyclohexane	11.032	84	94645	23.45	ug/L		84
61)	epichlorohydrin	12.919	57	32444	156.62	ug/L		96
62)	n-butyl alcohol	11.839	56	183661	2284.10	ug/L		98
63)	carbon tetrachloride	11.147	117	104441	29.07	ug/L		97
64)	1,1-dichloropropene	11.110	75	85498	31.22	ug/L		99
65)	hexane	9.223	57	66957	24.83	ug/L		97
66)	benzene	11.372	78	356992	40.46	ug/L		98
67)	2,2,4-trimethylpentane	11.435	57	237450	27.22	ug/L		81
68)	tert-amyl methyl ether	11.435	73	386827	43.94	ug/L		97
69)	heptane	11.598	57	36064	27.57	ug/L		99
70)	isopropyl acetate	11.310	43	192408	42.83	ug/L		99
71)	1,2-dichloroethane	11.357	62	119162	45.71	ug/L		96
72)	trichloroethene	12.070	95	81791	40.40	ug/L		97
74)	2-nitropropane	13.124	46	6445	49.68	ug/L	#	87
75)	2-chloroethyl vinyl ether	12.919	63	1149	0.97	ug/L		72
76)	methyl methacrylate	12.332	100	24355	49.95	ug/L		97
77)	1,2-dichloropropane	12.316	63	99407	47.95	ug/L		97
78)	dibromomethane	12.447	93	66322	51.57	ug/L		96
79)	methylcyclohexane	12.321	83	111412	26.73	ug/L		97
80)	bromodichloromethane	12.573	83	129534	48.16	ug/L		98
81)	cis-1,3-dichloropropene	13.019	75	152794	50.19	ug/L		95
83)	4-methyl-2-pentanone	13.129	58	48313	47.31	ug/L		96
84)	toluene	13.386	92	193739	44.31	ug/L		99
85)	3-methyl-1-butanol	13.124	55	115251	952.45	ug/L		97
86)	trans-1,3-dichloropropene	13.543	75	129987	48.55	ug/L		98
87)	ethyl methacrylate	13.564	69	117507	50.56	ug/L		97
88)	1,1,2-trichloroethane	13.742	83	72360	49.12	ug/L		100
89)	2-hexanone	13.921	58	34622	49.25	ug/L		99
92)	tetrachloroethene	13.936	164	62387	35.53	ug/L		98
93)	1,3-dichloropropane	13.915	76	133224	49.31	ug/L		97
94)	butyl acetate	13.999	56	57710	44.03	ug/L		94
95)	3,3-dimethyl-1-butanol	14.073	57	163904	461.27	ug/L		97
96)	dibromochloromethane	14.157	129	104138	47.91	ug/L		99
97)	1,2-dibromoethane	14.303	107	90675	50.05	ug/L		95
98)	chlorobenzene	14.749	112	228247	46.07	ug/L		100
99)	1,1,1,2-tetrachloroethane	14.801	131	117429	48.43	ug/L		99
100)	ethylbenzene	14.812	91	334055	42.39	ug/L		98
101)	m,p-xylene	14.912	106	272039	88.54	ug/L		98
102)	o-xylene	15.300	106	165347	47.08	ug/L		99
103)	styrene	15.300	104	241866	47.37	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120713.D
Acq On : 28 Jun 2014 12:22 am
Operator : payalr
Sample : jb69725-1ms
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 28 16:02:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

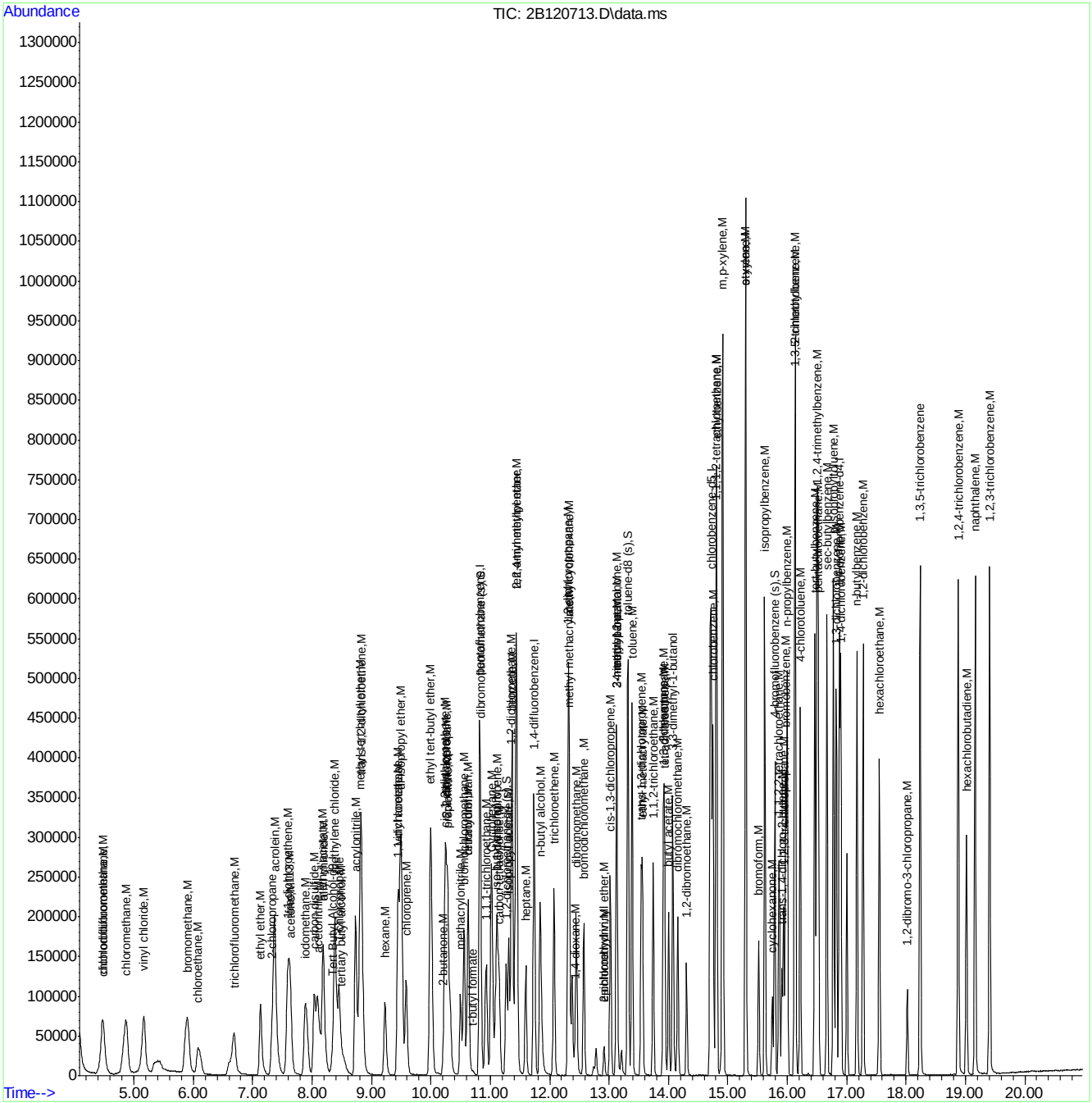
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) bromoform	15.520	173	80178	46.78	ug/L	97
107) isopropylbenzene	15.619	105	376284	44.85	ug/L	97
109) cyclohexanone	15.750	98	18868	161.93	ug/L	97
110) bromobenzene	15.971	156	114873	50.00	ug/L	94
111) 1,1,2,2-tetrachloroethane	15.861	83	131058	49.78	ug/L	95
112) trans-1,4-dichloro-2-b...	15.908	53	21466	43.45	ug/L	91
113) 1,2,3-trichloropropane	15.939	110	29503	51.38	ug/L	99
114) n-propylbenzene	15.997	91	365690	42.46	ug/L	99
115) 2-chlorotoluene	16.128	126	101420	48.83	ug/L	96
116) 4-chlorotoluene	16.217	91	245439	45.80	ug/L	100
117) 1,3,5-trimethylbenzene	16.138	105	324144	47.40	ug/L	99
118) tert-butylbenzene	16.469	119	270504	35.07	ug/L	98
119) pentachloroethane	16.521	167	95903	51.12	ug/L	97
120) 1,2,4-trimethylbenzene	16.500	105	327057	48.67	ug/L	99
121) sec-butylbenzene	16.668	105	380974	38.55	ug/L	99
122) 1,3-dichlorobenzene	16.825	146	202808	45.49	ug/L	98
123) p-isopropyltoluene	16.778	119	341272	40.02	ug/L	99
124) 1,4-dichlorobenzene	16.904	146	204591	45.75	ug/L	99
125) 1,2-dichlorobenzene	17.276	146	232136	47.98	ug/L	100
126) n-butylbenzene	17.171	92	151500	39.42	ug/L	98
127) 1,2-dibromo-3-chloropr...	18.021	75	23459	45.88	ug/L	94
128) 1,3,5-trichlorobenzene	18.236	180	224867	47.30	ug/L	97
129) 1,2,4-trichlorobenzene	18.881	180	226800	48.62	ug/L	99
130) hexachlorobutadiene	19.022	225	75335	35.86	ug/L	98
131) naphthalene	19.164	128	499783	50.57	ug/L	100
132) 1,2,3-trichlorobenzene	19.405	180	223362	48.22	ug/L	98
133) hexachloroethane	17.549	201	79027	37.61	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120713.D
Acq On : 28 Jun 2014 12:22 am
Operator : payalr
Sample : jb69725-1ms
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 28 16:02:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120714.D
Acq On : 28 Jun 2014 12:53 am
Operator : payalr
Sample : jb69725-1msd
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 28 16:02:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	8.363	65	137623	500.00	ug/L		0.00
5) pentafluorobenzene	10.822	168	292675	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.734	114	328126	50.00	ug/L		0.00
90) chlorobenzene-d5	14.717	117	267101	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.877	152	138873	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.827	113	107444	46.80	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 93.60%				
52) 1,2-dichloroethane-d4 (s)	11.262	65	100199	46.11	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 92.22%				
82) toluene-d8 (s)	13.317	98	346483	51.99	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 103.98%				
108) 4-bromofluorobenzene (s)	15.792	95	110058	52.20	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.40%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.483	59	91526	268.91	ug/L		92
4) 1,4-dioxane	12.421	88	40701	1268.41	ug/L		90
9) chlorodifluoromethane	4.472	51	124962	39.00	ug/L		94
10) dichlorodifluoromethane	4.467	85	102818	25.11	ug/L		99
12) chloromethane	4.860	50	219660	42.83	ug/L		98
13) vinyl chloride	5.159	62	168093	33.06	ug/L		99
15) bromomethane	5.893	94	134631	42.57	ug/L		99
16) chloroethane	6.082	64	73641	37.39	ug/L		96
18) trichlorofluoromethane	6.675	101	120374	24.84	ug/L		95
20) ethyl ether	7.125	74	61093	48.43	ug/L		86
21) acrolein	7.361	56	260881	456.75	ug/L		96
22) 2-chloropropane	7.319	43	137142	27.89	ug/L		98
24) 1,1-dichloroethene	7.592	96	74576	27.67	ug/L		95
25) acetone	7.623	43	38549	44.68	ug/L		95
26) allyl chloride	8.190	76	41123	32.90	ug/L		96
27) acetonitrile	8.090	40	89978	467.97	ug/L		95
28) iodomethane	7.886	142	227715	41.69	ug/L		99
29) iso-butyl alcohol	11.105	74	10925	393.37	ug/L		88
30) carbon disulfide	8.032	76	272762	26.52	ug/L		98
31) methylene chloride	8.378	84	128267	42.31	ug/L		95
32) methyl acetate	8.184	74	18968	47.74	ug/L		89
33) 1-chloropropane	8.447	42	126355	28.58	ug/L		98
34) methyl tert butyl ether	8.814	73	389584	47.53	ug/L		100
35) trans-1,2-dichloroethene	8.824	96	89622	36.20	ug/L		95
36) di-isopropyl ether	9.490	45	402501	45.97	ug/L		98
37) 2-butanone	10.208	72	13766	48.74	ug/L	#	87
38) 1,1-dichloroethane	9.443	63	175393	40.37	ug/L		100
39) chloroprene	9.579	53	95555	31.59	ug/L		98
40) acrylonitrile	8.730	53	244919	243.91	ug/L		99
41) vinyl acetate	9.448	86	17452	48.94	ug/L		65
42) ethyl tert-butyl ether	9.993	59	423691	47.91	ug/L		99
43) ethyl acetate	10.256	45	13261	44.52	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120714.D
Acq On : 28 Jun 2014 12:53 am
Operator : payalr
Sample : jb69725-1msd
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 28 16:02:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,2-dichloropropane	10.271	77	124614	31.98	ug/L		97
45)	cis-1,2-dichloroethene	10.235	96	118992	43.73	ug/L		92
46)	propionitrile	10.282	54	186827	477.30	ug/L		98
47)	bromochloromethane	10.554	128	65801	48.90	ug/L		96
48)	tetrahydrofuran	10.623	42	33715	44.72	ug/L		96
49)	chloroform	10.628	83	172668	42.11	ug/L		97
50)	t-butyl formate	10.701	59	2651	1.24	ug/L		87
53)	freon 113	7.613	151	62511	26.70	ug/L		99
54)	methacrylonitrile	10.497	41	63533	46.63	ug/L		95
55)	1,1,1-trichloroethane	10.927	97	130545	33.54	ug/L		98
56)	Cyclohexane	11.026	84	89680	22.67	ug/L	#	64
61)	epichlorohydrin	12.919	57	30236	149.58	ug/L		98
62)	n-butyl alcohol	11.839	56	182657	2327.93	ug/L		98
63)	carbon tetrachloride	11.142	117	98933	28.22	ug/L		97
64)	1,1-dichloropropene	11.105	75	82813	30.99	ug/L		99
65)	hexane	9.223	57	62427	23.72	ug/L		98
66)	benzene	11.367	78	349165	40.56	ug/L		100
67)	2,2,4-trimethylpentane	11.435	57	217010	25.50	ug/L		76
68)	tert-amyl methyl ether	11.435	73	378916	44.11	ug/L		97
69)	heptane	11.592	57	33771	26.46	ug/L		97
70)	isopropyl acetate	11.309	43	188766	43.06	ug/L		99
71)	1,2-dichloroethane	11.357	62	116371	45.74	ug/L		97
72)	trichloroethene	12.070	95	81475	41.24	ug/L		99
74)	2-nitropropane	13.129	46	6530	51.58	ug/L	#	83
75)	2-chloroethyl vinyl ether	12.914	63	1120	0.97	ug/L	#	45
76)	methyl methacrylate	12.337	100	23985	50.41	ug/L	#	67
77)	1,2-dichloropropane	12.316	63	97700	48.29	ug/L		97
78)	dibromomethane	12.447	93	65790	52.42	ug/L		98
79)	methylcyclohexane	12.316	83	104801	25.76	ug/L		99
80)	bromodichloromethane	12.573	83	123490	47.05	ug/L		98
81)	cis-1,3-dichloropropene	13.019	75	143801	48.41	ug/L		96
83)	4-methyl-2-pentanone	13.129	58	47541	47.71	ug/L		99
84)	toluene	13.386	92	189524	44.43	ug/L		97
85)	3-methyl-1-butanol	13.123	55	115377	977.04	ug/L		99
86)	trans-1,3-dichloropropene	13.543	75	122236	46.79	ug/L		97
87)	ethyl methacrylate	13.564	69	116760	51.48	ug/L		94
88)	1,1,2-trichloroethane	13.742	83	72190	50.22	ug/L		98
89)	2-hexanone	13.920	58	34280	49.97	ug/L		99
92)	tetrachloroethene	13.936	164	62507	36.04	ug/L		98
93)	1,3-dichloropropane	13.915	76	131471	49.26	ug/L		96
94)	butyl acetate	13.999	56	57187	44.17	ug/L		97
95)	3,3-dimethyl-1-butanol	14.072	57	166765	474.42	ug/L		98
96)	dibromochloromethane	14.156	129	100087	46.62	ug/L		98
97)	1,2-dibromoethane	14.303	107	89623	50.08	ug/L		100
98)	chlorobenzene	14.749	112	225175	46.01	ug/L		97
99)	1,1,1,2-tetrachloroethane	14.801	131	113214	47.27	ug/L		96
100)	ethylbenzene	14.812	91	320579	41.18	ug/L		99
101)	m,p-xylene	14.911	106	264778	87.25	ug/L		96
102)	o-xylene	15.299	106	160710	46.33	ug/L		99
103)	styrene	15.299	104	237224	47.03	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120714.D
Acq On : 28 Jun 2014 12:53 am
Operator : payalr
Sample : jb69725-1msd
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 28 16:02:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

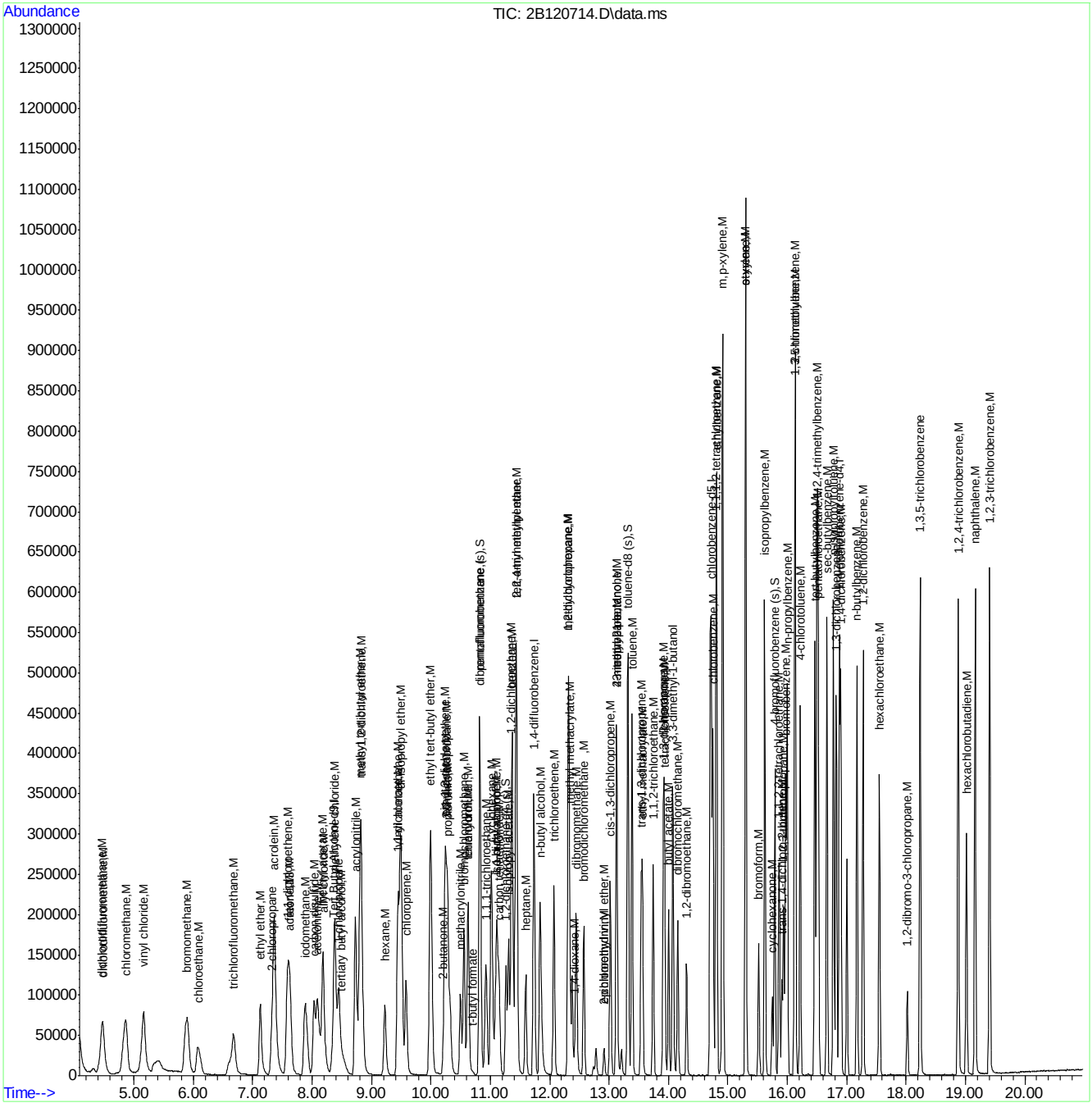
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
105) bromoform	15.520	173	75770	44.76	ug/L	98
107) isopropylbenzene	15.619	105	367604	44.65	ug/L	99
109) cyclohexanone	15.750	98	19129	167.31	ug/L	95
110) bromobenzene	15.976	156	113614	50.40	ug/L	98
111) 1,1,2,2-tetrachloroethane	15.860	83	129197	50.01	ug/L	99
112) trans-1,4-dichloro-2-b...	15.907	53	18881	38.95	ug/L	90
113) 1,2,3-trichloropropane	15.934	110	28966	51.41	ug/L	98
114) n-propylbenzene	16.002	91	355170	42.03	ug/L	99
115) 2-chlorotoluene	16.128	126	97618	47.90	ug/L	96
116) 4-chlorotoluene	16.217	91	237498	45.17	ug/L	99
117) 1,3,5-trimethylbenzene	16.138	105	313083	46.66	ug/L	98
118) tert-butylbenzene	16.468	119	265030	35.02	ug/L	100
119) pentachloroethane	16.521	167	93896	51.01	ug/L	98
120) 1,2,4-trimethylbenzene	16.500	105	317980	48.23	ug/L	99
121) sec-butylbenzene	16.668	105	369635	38.12	ug/L	99
122) 1,3-dichlorobenzene	16.825	146	196254	44.86	ug/L	97
123) p-isopropyltoluene	16.778	119	327924	39.19	ug/L	98
124) 1,4-dichlorobenzene	16.898	146	196877	44.87	ug/L	97
125) 1,2-dichlorobenzene	17.276	146	223348	47.05	ug/L	99
126) n-butylbenzene	17.171	92	144158	38.23	ug/L	99
127) 1,2-dibromo-3-chloropr...	18.020	75	23458	46.76	ug/L	97
128) 1,3,5-trichlorobenzene	18.235	180	213695	45.81	ug/L	98
129) 1,2,4-trichlorobenzene	18.880	180	214606	46.89	ug/L	99
130) hexachlorobutadiene	19.022	225	74128	35.96	ug/L	99
131) naphthalene	19.163	128	491755	50.71	ug/L	100
132) 1,2,3-trichlorobenzene	19.405	180	220438	48.50	ug/L	98
133) hexachloroethane	17.549	201	74410	36.27	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120714.D
Acq On : 28 Jun 2014 12:53 am
Operator : payalr
Sample : jb69725-1msd
Misc : MS69463,V2B5478,w,,,,1
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 28 16:02:59 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146867.D
Acq On : 30 Jun 2014 3:18 pm
Operator : prashans
Sample : JB70415-1MS
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 12:55:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	62912	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	181624	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	215361	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	183820	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	94042	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	67694	47.75	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.50%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	66541	44.40	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 88.80%				
80) toluene-d8 (s)	12.06	98	261885	52.58	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.16%				
105) 4-bromofluorobenzene (s)	14.70	95	90814	48.20	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.40%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	18189	1207.42	ug/L		98
4) tertiary butyl alcohol	7.47	59	81074	486.54	ug/L		96
11) chlorodifluoromethane	3.97	51	49092	41.60	ug/L		98
12) dichlorodifluoromethane	3.94	85	76062	55.16	ug/L		93
13) chloromethane	4.27	50	99617	51.24	ug/L		100
14) vinyl chloride	4.53	62	94894	54.56	ug/L		100
16) bromomethane	5.19	94	63222	50.78	ug/L		99
17) chloroethane	5.36	64	43668	54.50	ug/L		97
19) trichlorofluoromethane	5.80	101	102693	55.05	ug/L		100
20) ethyl ether	6.20	74	38540	50.96	ug/L		95
21) 2-chloropropane	6.41	63	30307	57.45	ug/L		93
22) acrolein	6.51	56	117801	409.18	ug/L		99
23) 1,1-dichloroethene	6.63	61	107916	56.17	ug/L		99
24) acetone	6.74	43	71715	88.10	ug/L		94
25) allyl chloride	7.17	76	37888	55.46	ug/L		96
26) acetonitrile	7.21	40	52924	486.35	ug/L		91
27) iodomethane	6.93	142	130073	53.58	ug/L		98
28) carbon disulfide	7.03	76	246014	53.68	ug/L		99
29) 1-chloropropane	7.38	42	132175	51.86	ug/L		93
30) methylene chloride	7.38	49	105950	44.68	ug/L		98
31) methyl acetate	7.17	74	10303	52.26	ug/L		93
32) methyl tert butyl ether	7.66	73	206937	49.53	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	105134	54.56	ug/L		98
34) di-isopropyl ether	8.23	45	243207	48.68	ug/L		98
35) ethyl tert-butyl ether	8.70	59	226125	48.40	ug/L		100
36) 2-butanone	9.02	72	13504	69.86	ug/L	#	61
37) 1,1-dichloroethane	8.30	63	133347	53.14	ug/L		98
38) chloroprene	8.39	53	96374	54.12	ug/L		99
39) acrylonitrile	7.74	53	113050	245.00	ug/L		99
40) vinyl acetate	8.28	86	9600	48.97	ug/L		95
41) ethyl acetate	9.02	45	10067	48.75	ug/L	#	1
42) 2,2-dichloropropane	9.02	77	102853	52.50	ug/L		98
43) cis-1,2-dichloroethene	9.03	96	81891	50.55	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146867.D
Acq On : 30 Jun 2014 3:18 pm
Operator : prashans
Sample : JB70415-1MS
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 12:55:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	92711	522.55	ug/L		98
45) bromochloromethane	9.35	130	50418	49.97	ug/L		97
46) tetrahydrofuran	9.37	72	8970	48.88	ug/L		97
47) chloroform	9.40	83	127167	50.44	ug/L		99
48) tert-Butyl Formate	9.41	59	45154	47.77	ug/L		97
49) isobutyl alcohol	9.85	41	23378	460.40	ug/L	#	99
52) freon 113	6.57	151	47841	52.08	ug/L		98
53) methacrylonitrile	9.31	67	25961	48.41	ug/L		95
54) 1,1,1-trichloroethane	9.62	97	104732	53.46	ug/L		97
55) Cyclohexane	9.66	84	105712	52.85	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	275410	53.44	ug/L		95
57) tert-amyl methyl ether	10.07	73	215815	47.46	ug/L		99
59) epichlorohydrin	11.72	57	32767	247.91	ug/L		98
60) n-butyl alcohol	10.60	56	109897	2634.63	ug/L		96
61) carbon tetrachloride	9.81	117	96201	55.93	ug/L		99
62) 1,1-dichloropropene	9.80	75	97935	55.96	ug/L		98
63) hexane	7.97	57	90309	50.61	ug/L		98
65) benzene	10.07	78	314288	55.18	ug/L		99
66) heptane	10.18	57	58391	55.27	ug/L		97
67) isopropyl acetate	9.99	61	26797	47.82	ug/L		85
68) 1,2-dichloroethane	10.11	62	85132	53.01	ug/L		98
69) trichloroethene	10.77	95	75842	54.90	ug/L		98
71) 2-nitropropane	11.58	41	21923	48.58	ug/L	#	60
72) 2-chloroethyl vinyl ether	11.57	63	146107	248.55	ug/L		99
73) methyl methacrylate	11.04	69	45798	50.39	ug/L		94
74) 1,2-dichloropropane	11.05	63	76359	51.97	ug/L		98
75) methylcyclohexane	10.96	83	123703	54.42	ug/L		99
77) dibromomethane	11.22	93	43655	51.27	ug/L		99
78) bromodichloromethane	11.34	83	98885	52.28	ug/L		100
79) cis-1,3-dichloropropene	11.79	75	122985	51.43	ug/L		98
81) 4-methyl-2-pentanone	11.88	58	27403	51.95	ug/L		100
82) toluene	12.13	91	313899	51.25	ug/L		99
83) 3-methyl-1-butanol	11.91	70	37887	970.73	ug/L		98
84) trans-1,3-dichloropropene	12.35	75	109193	52.34	ug/L		97
85) ethyl methacrylate	12.32	69	85960	49.84	ug/L		97
86) 1,1,2-trichloroethane	12.56	83	53446	50.32	ug/L		98
87) 2-hexanone	12.72	58	36110	61.46	ug/L		98
89) tetrachloroethene	12.69	166	86101	54.87	ug/L		99
90) 1,3-dichloropropane	12.75	76	98540	50.61	ug/L		99
91) butyl acetate	12.78	56	41759	46.72	ug/L		99
92) dibromochloromethane	13.00	129	78446	51.57	ug/L		99
93) 1,2-dibromoethane	13.15	107	63964	51.08	ug/L		100
94) 3,3-Dimethyl-1-Butanol	12.89	57	68925	469.95	ug/L		99
96) chlorobenzene	13.59	112	199904	51.71	ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	72605	52.17	ug/L		99
98) ethylbenzene	13.62	91	338236	52.53	ug/L		99
99) m,p-xylene	13.73	106	262672	103.76	ug/L		99
100) o-xylene	14.15	91	266748	51.91	ug/L		100
101) styrene	14.16	104	217340	53.52	ug/L		99
102) bromoform	14.45	173	53619	51.02	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146867.D
Acq On : 30 Jun 2014 3:18 pm
Operator : prashans
Sample : JB70415-1MS
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 12:55:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

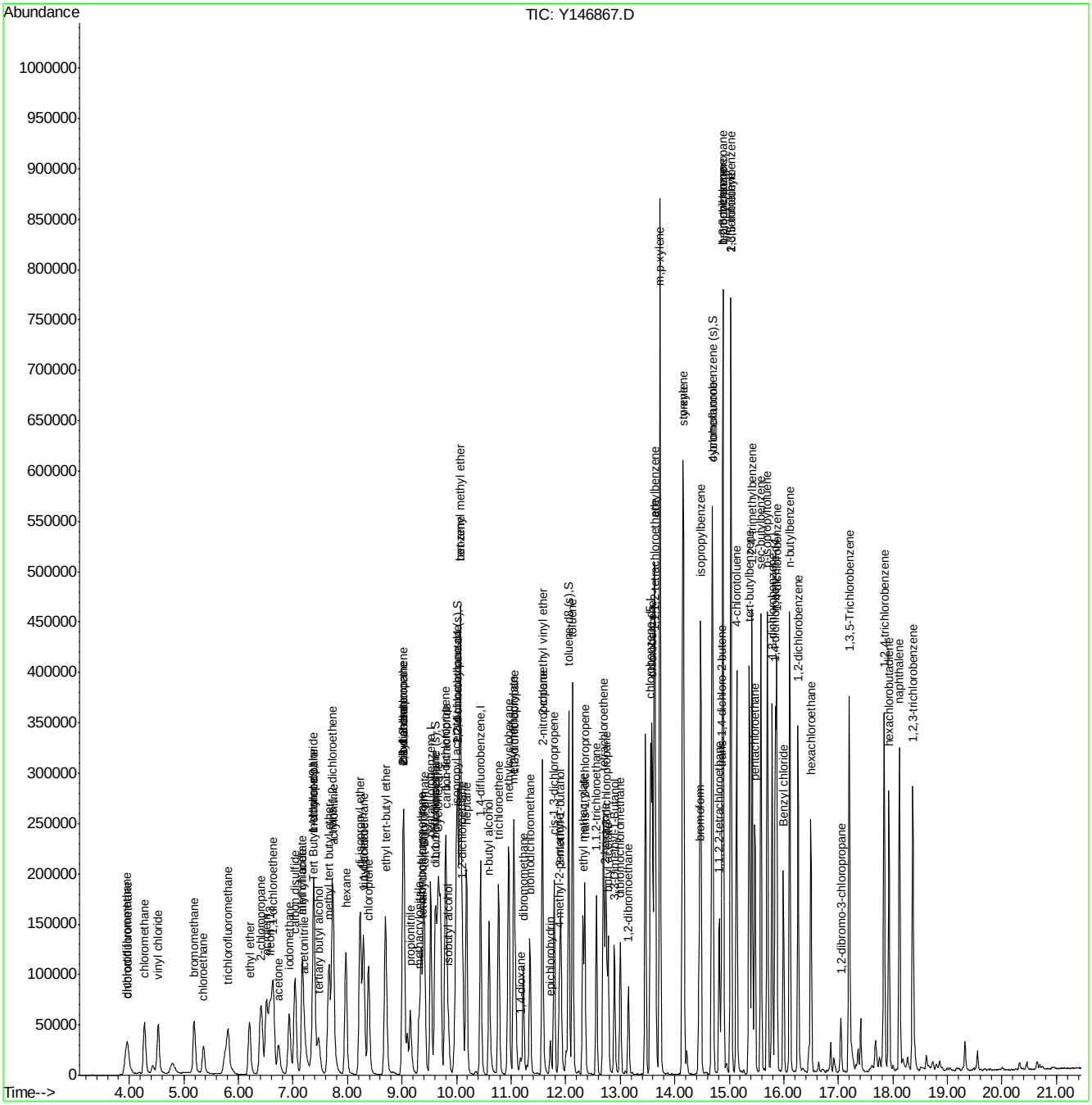
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
104) isopropylbenzene	14.48	105	323869	52.35 ug/L	99
107) bromobenzene	14.89	156	90247	52.75 ug/L	97
108) cyclohexanone	14.69	55	177214	588.43 ug/L	99
109) 1,1,2,2-tetrachloroethane	14.82	83	85665	49.71 ug/L	99
110) trans-1,4-dichloro-2-buten	14.86	53	21393	51.94 ug/L	99
111) 1,2,3-trichloropropane	14.89	110	18859	50.31 ug/L	98
112) n-propylbenzene	14.88	91	373637	53.85 ug/L	99
114) 2-chlorotoluene	15.04	126	79587	52.70 ug/L	95
115) 4-chlorotoluene	15.14	91	232715	51.80 ug/L	99
116) 1,3,5-trimethylbenzene	15.03	105	269593	52.63 ug/L	100
117) tert-butylbenzene	15.37	119	225627	54.12 ug/L	99
118) pentachloroethane	15.47	167	54943	53.19 ug/L	98
119) 1,2,4-trimethylbenzene	15.42	105	263465	52.09 ug/L	98
120) sec-butylbenzene	15.58	105	350678	53.29 ug/L	100
121) 1,3-dichlorobenzene	15.79	146	167790	53.17 ug/L	98
122) p-isopropyltoluene	15.70	119	294079	54.06 ug/L	99
123) 1,4-dichlorobenzene	15.87	146	168171	51.32 ug/L	100
124) 1,2-dichlorobenzene	16.27	146	155139	51.17 ug/L	99
125) n-butylbenzene	16.11	92	148861	52.91 ug/L	97
127) 1,2-dibromo-3-chloropropan	17.05	157	16792	51.03 ug/L	95
128) 1,3,5-Trichlorobenzene	17.20	180	135496	52.47 ug/L	99
129) 1,2,4-trichlorobenzene	17.84	180	116488	53.83 ug/L	99
131) hexachlorobutadiene	17.93	225	68629	52.65 ug/L	98
132) naphthalene	18.12	128	271033	61.50 ug/L	99
133) 1,2,3-trichlorobenzene	18.37	180	104918	52.19 ug/L	99
134) hexachloroethane	16.50	119	56978	53.33 ug/L	99
135) Benzyl chloride	15.99	91	151574	50.07 ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146867.D
Acq On : 30 Jun 2014 3:18 pm
Operator : prashans
Sample : JB70415-1MS
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 12:55:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146868.D
Acq On : 30 Jun 2014 3:47 pm
Operator : prashans
Sample : JB70415-1MSD
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 12:56:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	57693	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	187362	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	218574	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	185765	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	95229	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	69215	47.33	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 94.66%				
51) 1,2-dichloroethane-d4 (s)	10.03	65	66422	42.97	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 85.94%				
80) toluene-d8 (s)	12.06	98	268293	53.08	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 106.16%				
105) 4-bromofluorobenzene (s)	14.70	95	92715	48.60	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 97.20%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	17758	1285.44	ug/L		100
4) tertiary butyl alcohol	7.47	59	75958	497.08	ug/L		97
11) chlorodifluoromethane	3.98	51	48760	40.06	ug/L		96
12) dichlorodifluoromethane	3.95	85	77231	54.30	ug/L		98
13) chloromethane	4.28	50	99049	49.39	ug/L		99
14) vinyl chloride	4.53	62	97304	54.24	ug/L		99
16) bromomethane	5.19	94	65016	50.62	ug/L		98
17) chloroethane	5.36	64	44277	53.57	ug/L		94
19) trichlorofluoromethane	5.81	101	107557	55.89	ug/L		96
20) ethyl ether	6.20	74	38346	49.15	ug/L		98
21) 2-chloropropane	6.42	63	30754	56.52	ug/L		94
22) acrolein	6.52	56	105957	356.77	ug/L		99
23) 1,1-dichloroethene	6.64	61	108183	54.58	ug/L		99
24) acetone	6.74	43	65193	77.63	ug/L		93
25) allyl chloride	7.17	76	37993	53.91	ug/L		98
26) acetonitrile	7.22	40	51504	458.80	ug/L		95
27) iodomethane	6.93	142	131097	52.35	ug/L		98
28) carbon disulfide	7.04	76	248616	52.59	ug/L		99
29) 1-chloropropane	7.39	42	133170	50.65	ug/L		97
30) methylene chloride	7.38	49	105717	43.22	ug/L		98
31) methyl acetate	7.17	74	10098	49.65	ug/L		95
32) methyl tert butyl ether	7.66	73	205392	47.65	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	108311	54.49	ug/L		100
34) di-isopropyl ether	8.23	45	248991	48.31	ug/L		98
35) ethyl tert-butyl ether	8.70	59	232986	48.34	ug/L		98
36) 2-butanone	9.02	72	12543	62.90	ug/L	#	63
37) 1,1-dichloroethane	8.30	63	136237	52.63	ug/L		97
38) chloroprene	8.38	53	98923	53.85	ug/L		97
39) acrylonitrile	7.74	53	108136	227.17	ug/L		99
40) vinyl acetate	8.29	86	9518	47.07	ug/L		88
41) ethyl acetate	9.01	45	9051	42.49	ug/L		85
42) 2,2-dichloropropane	9.02	77	104941	51.93	ug/L		95
43) cis-1,2-dichloroethene	9.03	96	84076	50.31	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146868.D
Acq On : 30 Jun 2014 3:47 pm
Operator : prashans
Sample : JB70415-1MSD
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 12:56:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	87328	477.14	ug/L		99
45) bromochloromethane	9.35	130	51857	49.82	ug/L		96
46) tetrahydrofuran	9.37	72	8337	44.04	ug/L		94
47) chloroform	9.40	83	131227	50.46	ug/L		100
48) tert-Butyl Formate	9.41	59	44155	45.29	ug/L		97
49) isobutyl alcohol	9.85	41	21429	409.09	ug/L	#	97
52) freon 113	6.58	151	49954	52.71	ug/L		99
53) methacrylonitrile	9.31	67	25020	45.23	ug/L		97
54) 1,1,1-trichloroethane	9.62	97	107249	53.06	ug/L		99
55) Cyclohexane	9.67	84	110374	53.49	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	287816	54.14	ug/L		94
57) tert-amyl methyl ether	10.07	73	219640	46.82	ug/L		100
59) epichlorohydrin	11.72	57	31837	237.33	ug/L		98
60) n-butyl alcohol	10.60	56	103291	2439.86	ug/L		98
61) carbon tetrachloride	9.81	117	96836	55.47	ug/L		98
62) 1,1-dichloropropene	9.80	75	100248	56.44	ug/L		98
63) hexane	7.97	57	93347	51.55	ug/L		97
65) benzene	10.07	78	324348	56.11	ug/L		99
66) heptane	10.18	57	60692	56.61	ug/L		99
67) isopropyl acetate	9.99	61	26123	45.93	ug/L	#	81
68) 1,2-dichloroethane	10.11	62	85906	52.70	ug/L		99
69) trichloroethene	10.77	95	77360	55.17	ug/L		99
71) 2-nitropropane	11.58	41	21368	46.66	ug/L	#	69
72) 2-chloroethyl vinyl ether	11.57	63	143877	241.16	ug/L		100
73) methyl methacrylate	11.05	69	44129	47.84	ug/L		91
74) 1,2-dichloropropane	11.06	63	78187	52.43	ug/L		99
75) methylcyclohexane	10.96	83	128315	55.62	ug/L		100
77) dibromomethane	11.22	93	43394	50.21	ug/L		99
78) bromodichloromethane	11.34	83	100864	52.54	ug/L		98
79) cis-1,3-dichloropropene	11.79	75	125535	51.72	ug/L		99
81) 4-methyl-2-pentanone	11.88	58	26086	48.73	ug/L		98
82) toluene	12.13	91	321298	51.69	ug/L		100
83) 3-methyl-1-butanol	11.91	70	35986	908.47	ug/L		98
84) trans-1,3-dichloropropene	12.35	75	109683	51.81	ug/L		98
85) ethyl methacrylate	12.32	69	85437	48.81	ug/L		98
86) 1,1,2-trichloroethane	12.56	83	53844	49.94	ug/L		98
87) 2-hexanone	12.72	58	34539	57.92	ug/L		99
89) tetrachloroethene	12.69	166	88253	55.65	ug/L		99
90) 1,3-dichloropropane	12.75	76	99330	50.48	ug/L		99
91) butyl acetate	12.78	56	40847	45.22	ug/L		98
92) dibromochloromethane	13.00	129	79214	51.53	ug/L		100
93) 1,2-dibromoethane	13.15	107	64409	50.89	ug/L		100
94) 3,3-Dimethyl-1-Butanol	12.90	57	67090	452.65	ug/L		100
96) chlorobenzene	13.59	112	204656	52.38	ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	74783	53.17	ug/L		99
98) ethylbenzene	13.62	91	345026	53.02	ug/L		99
99) m,p-xylene	13.73	106	269282	105.26	ug/L		98
100) o-xylene	14.15	91	273301	52.63	ug/L		100
101) styrene	14.16	104	225100	54.85	ug/L		100
102) bromoform	14.45	173	52981	49.89	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146868.D
Acq On : 30 Jun 2014 3:47 pm
Operator : prashans
Sample : JB70415-1MSD
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 12:56:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

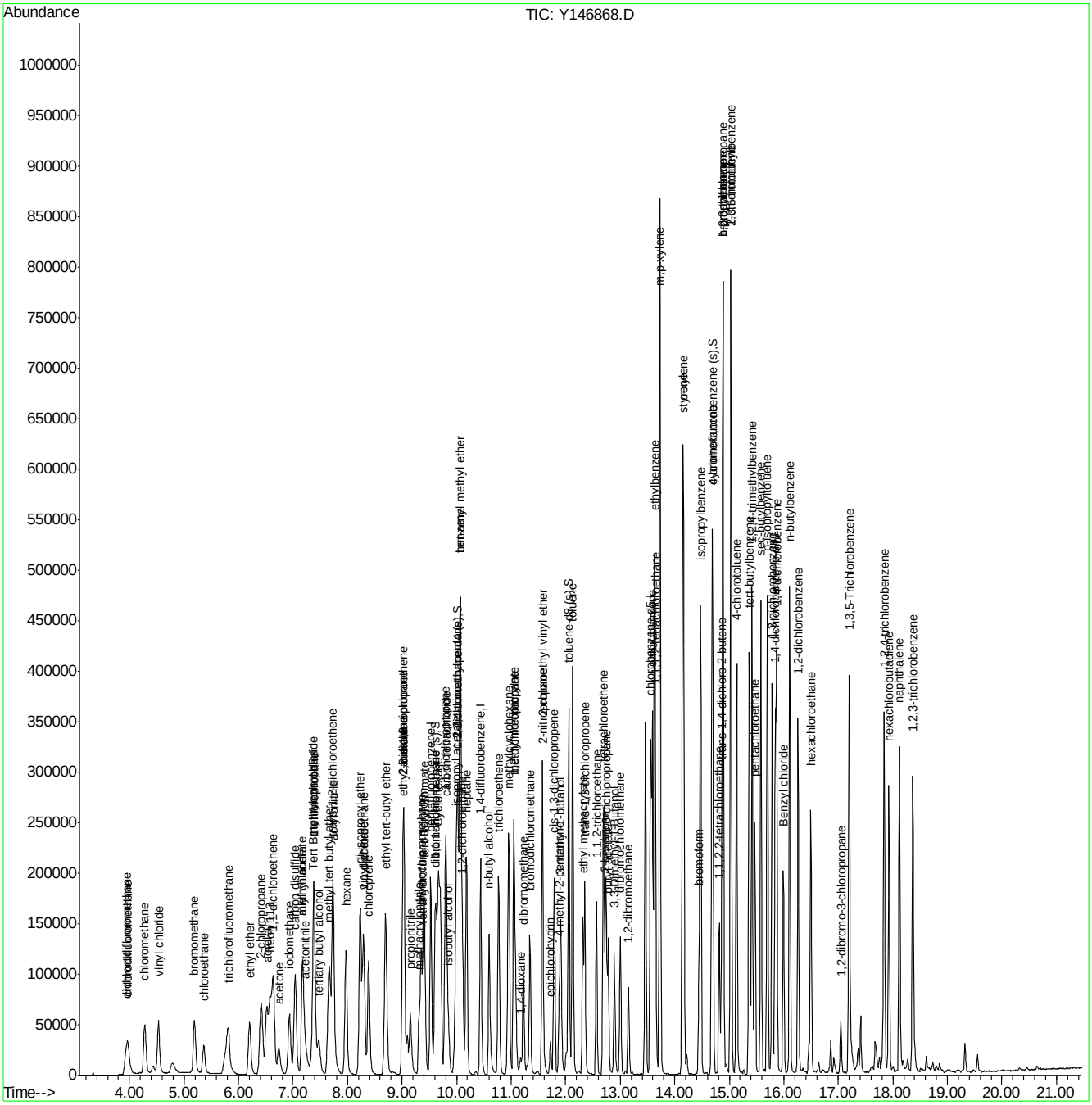
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
104) isopropylbenzene	14.48	105	331899	52.98 ug/L	99
107) bromobenzene	14.89	156	91967	53.09 ug/L	98
108) cyclohexanone	14.69	55	164438	539.20 ug/L	98
109) 1,1,2,2-tetrachloroethane	14.82	83	84423	48.38 ug/L	100
110) trans-1,4-dichloro-2-buten	14.86	53	20790	49.84 ug/L	94
111) 1,2,3-trichloropropane	14.89	110	18515	48.77 ug/L	99
112) n-propylbenzene	14.88	91	384778	54.76 ug/L	100
114) 2-chlorotoluene	15.04	126	82147	53.72 ug/L	96
115) 4-chlorotoluene	15.14	91	238943	52.52 ug/L	99
116) 1,3,5-trimethylbenzene	15.03	105	278876	53.77 ug/L	100
117) tert-butylbenzene	15.37	119	232845	55.16 ug/L	99
118) pentachloroethane	15.47	167	56092	53.63 ug/L	99
119) 1,2,4-trimethylbenzene	15.42	105	271894	53.09 ug/L	100
120) sec-butylbenzene	15.58	105	361697	54.28 ug/L	100
121) 1,3-dichlorobenzene	15.78	146	171154	53.56 ug/L	99
122) p-isopropyltoluene	15.70	119	302784	54.97 ug/L	99
123) 1,4-dichlorobenzene	15.87	146	172587	52.01 ug/L	100
124) 1,2-dichlorobenzene	16.27	146	158245	51.54 ug/L	99
125) n-butylbenzene	16.11	92	153795	53.98 ug/L	97
127) 1,2-dibromo-3-chloropropan	17.05	157	15989	47.99 ug/L	94
128) 1,3,5-Trichlorobenzene	17.20	180	138329	52.90 ug/L	99
129) 1,2,4-trichlorobenzene	17.84	180	118406	54.04 ug/L	99
131) hexachlorobutadiene	17.93	225	70331	53.28 ug/L	100
132) naphthalene	18.12	128	267580	59.96 ug/L	99
133) 1,2,3-trichlorobenzene	18.37	180	107404	52.76 ug/L	99
134) hexachloroethane	16.50	119	56631	52.34 ug/L	95
135) Benzyl chloride	15.99	91	147081	47.98 ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146868.D
Acq On : 30 Jun 2014 3:47 pm
Operator : prashans
Sample : JB70415-1MSD
Misc : MS69889,VY6383,4.5,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 12:56:01 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146761.D
Acq On : 25 Jun 2014 6:42 pm
Operator : prashans
Sample : JB70081-1DUP
Misc : MS69678,VY6378,5.6,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 11:33:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	74195	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	206220	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	245983	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	209874	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	105077	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	77880	48.39	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 96.78%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	76331	44.86	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.72%			
80) toluene-d8 (s)	12.06	98	299253	52.60	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.20%			
105) 4-bromofluorobenzene (s)	14.70	95	101315	48.13	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.26%			

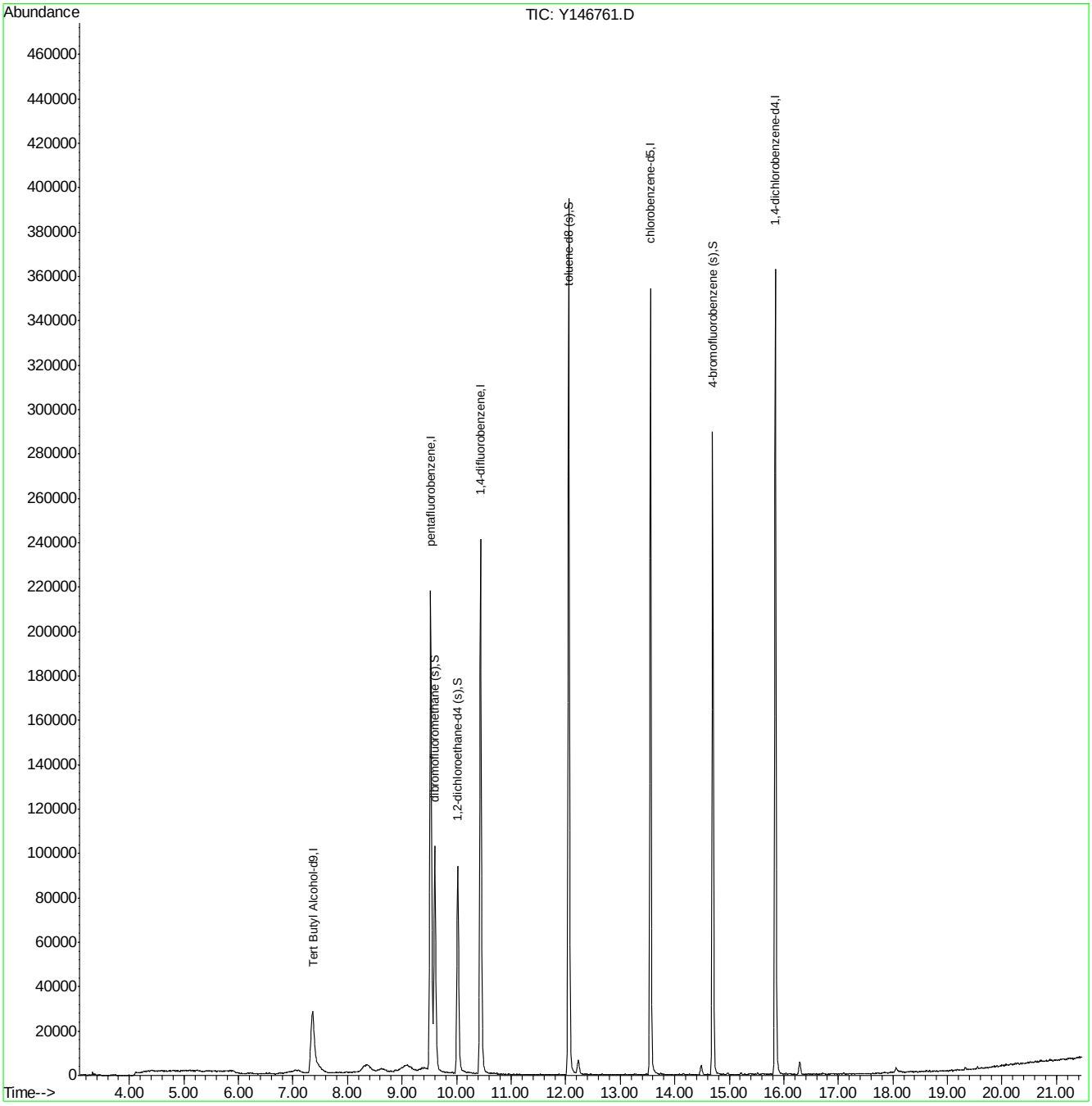
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146761.D
Acq On : 25 Jun 2014 6:42 pm
Operator : prashans
Sample : JB70081-1DUP
Misc : MS69678,VY6378,5.6,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 11:33:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146834.D
Acq On : 27 Jun 2014 1:43 pm
Operator : prashans
Sample : JB69905-6DUP
Misc : MS69577,VY6381,5.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 30 16:30:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	61242	500.00	ug/L	0.00
5) pentafluorobenzene	9.53	168	175078	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	210668	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	182384	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	93903	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	69695	51.00	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 102.00%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	68825	47.64	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 95.28%			
80) toluene-d8 (s)	12.06	98	258018	52.96	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.92%			
105) 4-bromofluorobenzene (s)	14.70	95	89209	47.42	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 94.84%			

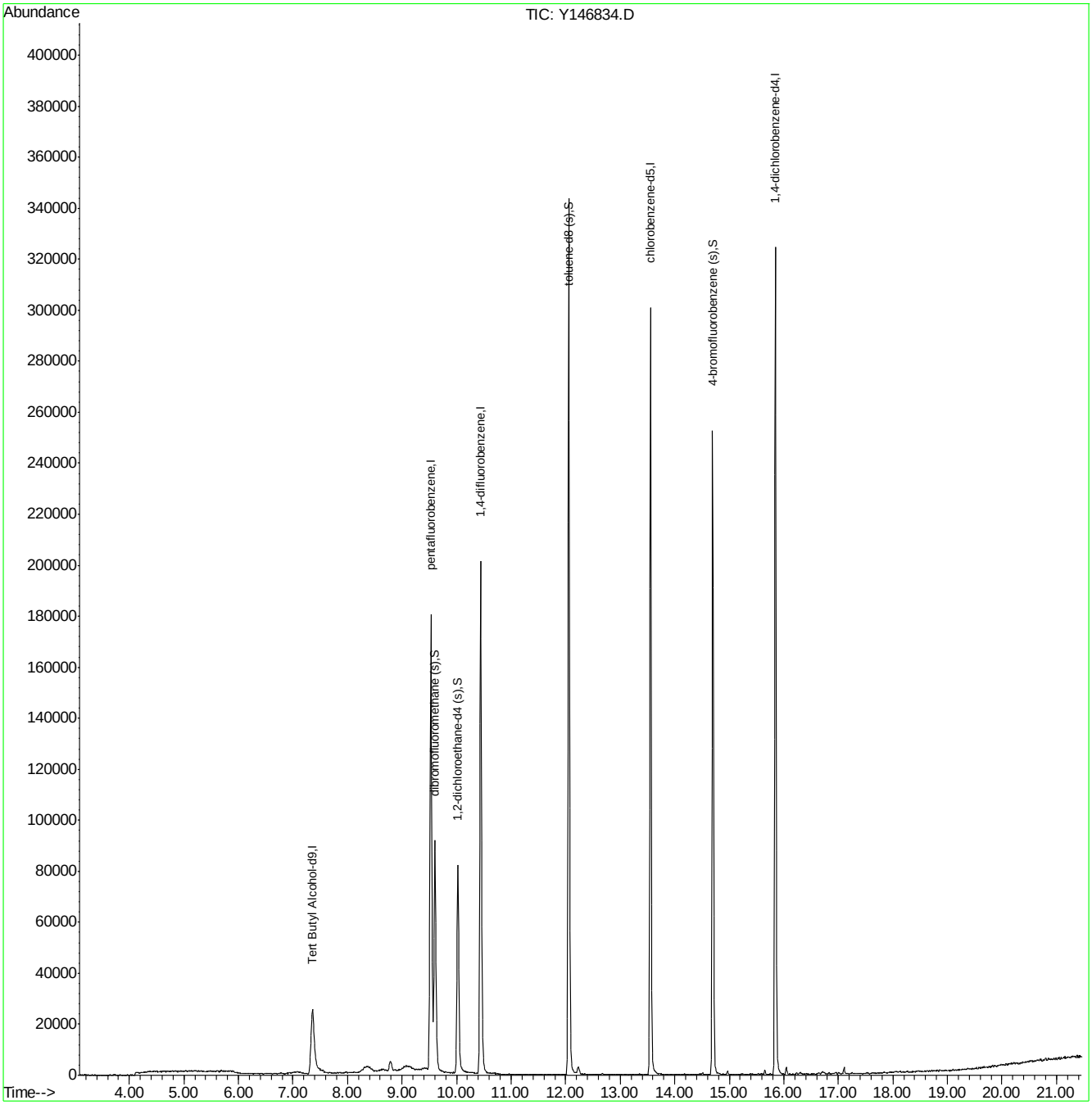
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

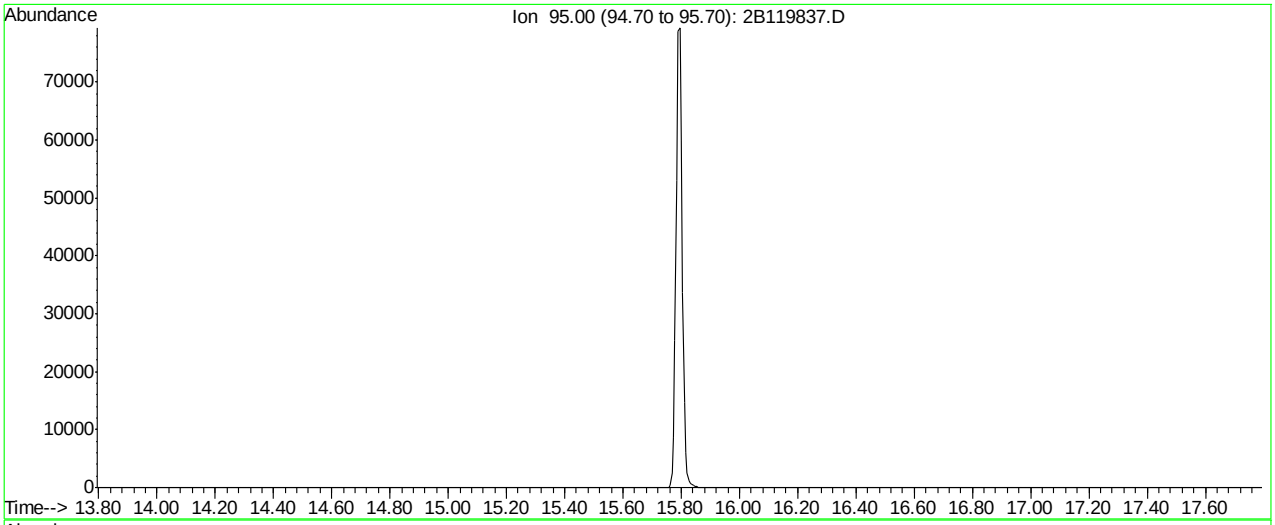
Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146834.D
Acq On : 27 Jun 2014 1:43 pm
Operator : prashans
Sample : JB69905-6DUP
Misc : MS69577,VY6381,5.5,,,,1
ALS Vial : 10 Sample Multiplier: 1

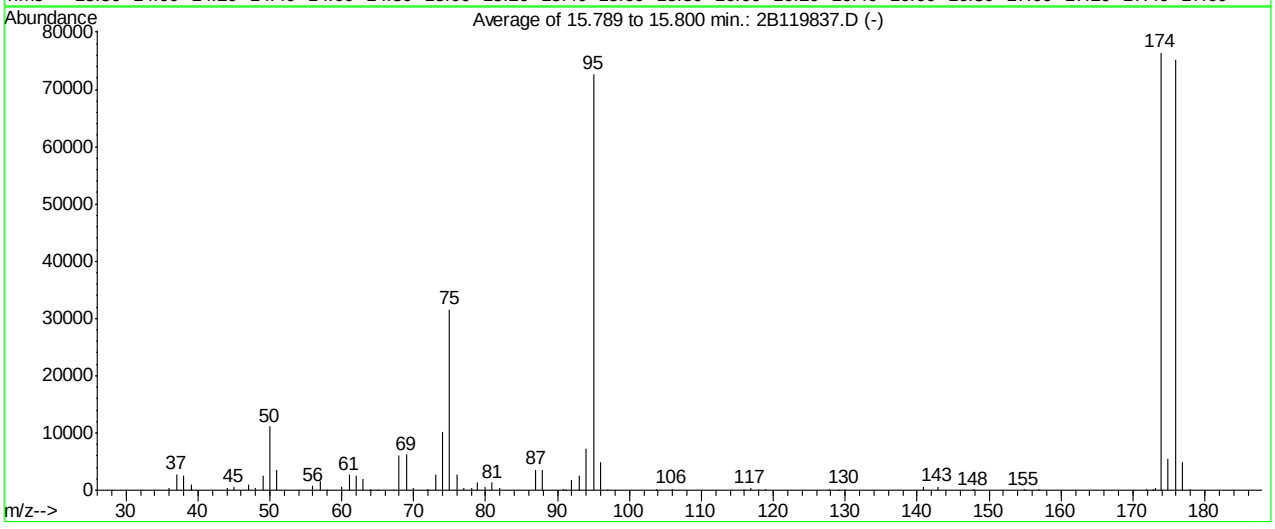
Quant Time: Jun 30 16:30:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119837.D Vial: 1
Acq On : 3 Jun 2014 4:40 pm Operator: payalr
Sample : bfb Inst : MS2B
Misc : MS68179,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um





AutoFind: Scans 2367, 2368, 2369; Background Corrected with Scan 2359

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	11106	PASS
75	95	30	60	43.4	31541	PASS
95	95	100	100	100.0	72693	PASS
96	95	5	9	6.6	4830	PASS
173	174	0.00	2	0.4	338	PASS
174	95	50	120	105.2	76453	PASS
175	174	5	9	7.2	5478	PASS
176	174	95	101	98.4	75213	PASS
177	176	5	9	6.6	4949	PASS

2B119837.D M2B5440.M Wed Jun 04 11:23:23 2014 MS2B

Average of 15.789 to 15.800 min.: 2B119837.D
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	492	52.00	55	68.00	6063	79.90	517
37.00	2779	56.00	768	69.00	6237	80.90	1370
38.00	2564	57.00	1483	70.00	491	81.90	348
39.05	1036	58.00	53	72.00	274	86.95	3559
44.00	329	60.05	533	73.00	2662	87.95	3496
44.95	518	61.00	2660	74.00	10222	90.90	174
47.05	968	62.05	2517	75.00	31541	91.20	51
47.90	336	63.00	1996	76.00	2740	92.00	1773
49.00	2463	63.95	136	76.95	434	93.00	2529
50.00	11106	65.00	65	78.00	343	94.00	7219
51.00	3557	67.10	71	78.90	1369	95.00	72693

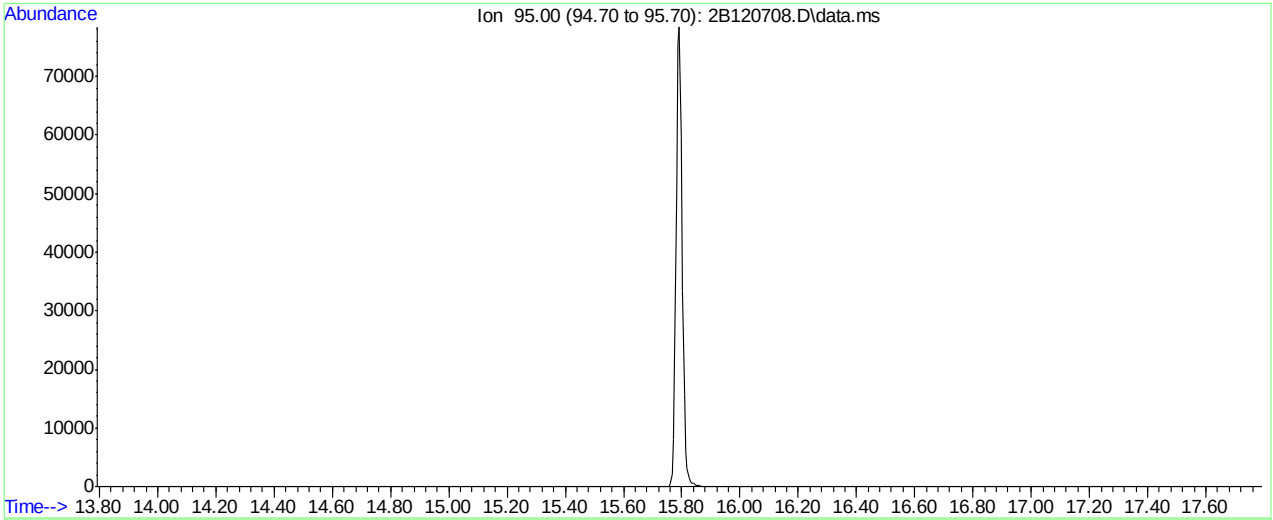
Average of 15.789 to 15.800 min.: 2B119837.D
bfb
Modified:subtracted

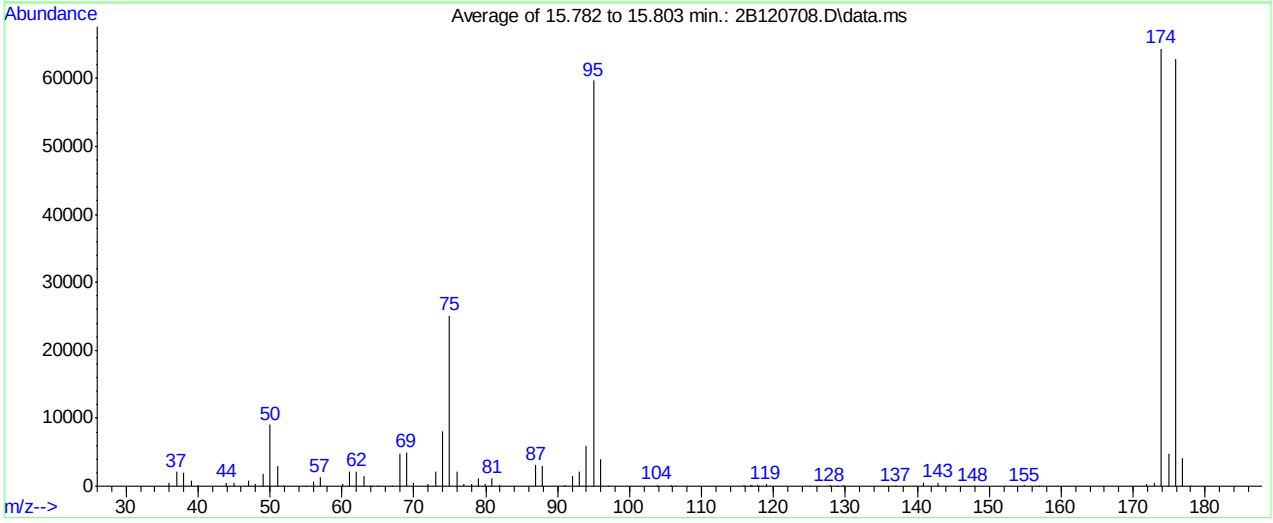
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	4830	140.85	526	174.90	5478		
96.90	55	142.90	625	175.90	75213		
103.85	186	146.00	55	176.90	4949		
105.95	259	147.85	136	177.95	123		
115.90	208	154.85	164				
116.85	345	155.10	54				
117.90	213	156.85	123				
118.90	275	171.95	290				
127.85	169	172.90	297				
129.00	75	173.10	338				
129.95	207	173.90	76453				

SW-846 Method 8260

Data File : C:\msdchem\1\DATA\2b\v2b5477-5478\2B120708.D Vial: 25
Acq On : 27 Jun 2014 9:45 pm Operator: payalr
Sample : bfb Inst : MS2B
Misc : MS69296,V2B5478,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um





Spectrum Information: Average of 15.782 to 15.803 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.1	9015	PASS
75	95	30	60	42.1	25120	PASS
95	95	100	100	100.0	59648	PASS
96	95	5	9	6.6	3926	PASS
173	174	0.00	2	0.7	443	PASS
174	95	50	120	108.0	64425	PASS
175	174	5	9	7.4	4766	PASS
176	174	95	101	97.6	62852	PASS
177	176	5	9	6.5	4103	PASS

2B120708.D M2B5440.M Sat Jun 28 16:14:24 2014 RPT1

Average of 15.782 to 15.803 min.: 2B120708.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	425	51.05	2918	65.00	47	78.00	272
37.05	2126	51.90	32	67.05	69	78.90	1089
38.05	1944	55.00	37	68.00	4869	79.95	413
39.05	800	56.00	643	69.00	5013	80.90	1217
39.95	178	57.00	1335	70.00	432	81.80	39
43.95	507	60.05	418	71.95	257	81.95	221
45.05	459	61.00	2116	73.00	2187	86.95	3067
47.00	825	62.00	2172	74.00	8039	87.90	2989
47.95	260	63.05	1462	75.00	25120	91.00	126
49.00	1786	63.90	30	76.00	2148	92.00	1464
50.05	9015	64.10	49	76.95	386	93.00	2068

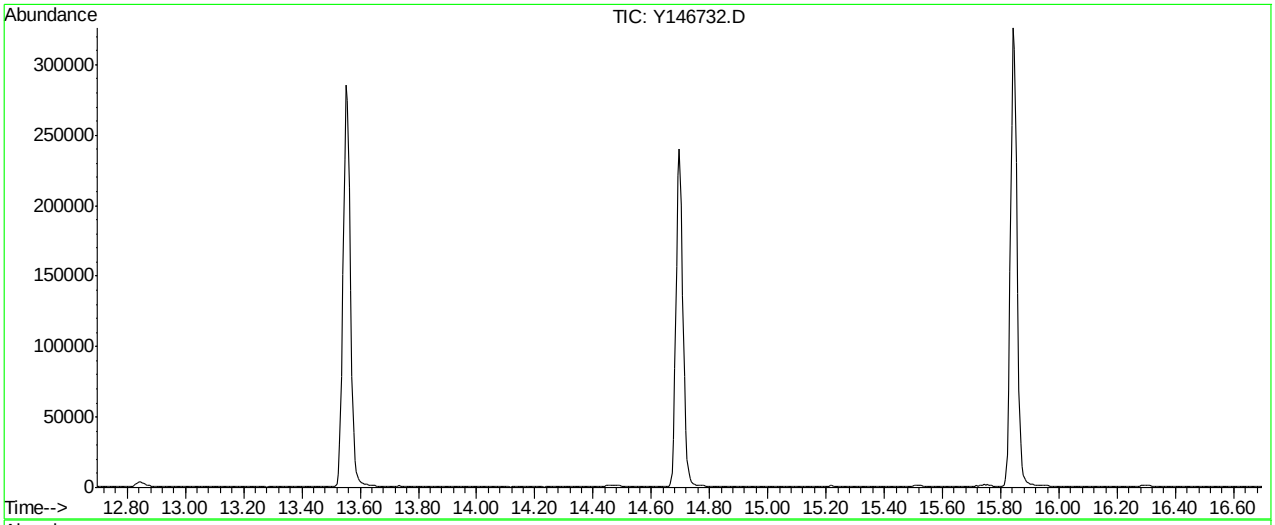
Average of 15.782 to 15.803 min.: 2B120708.D\data.ms
bfb

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	5933	118.95	288	173.00	443		
95.00	59648	127.85	165	173.90	64425		
96.00	3926	128.90	36	174.90	4766		
97.00	73	129.85	163	175.90	62852		
103.85	205	137.00	30	176.90	4103		
105.85	132	140.85	443	177.90	49		
115.85	170	142.90	504				
116.80	101	147.85	80				
116.95	220	154.90	100				
117.80	99	156.90	30				
118.00	41	171.90	282				

SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\Y146732.D Vial: 1
Acq On : 24 Jun 2014 10:07 am Operator: prashans
Sample : BFB Inst : MSY
Misc : MS69428,VY6377,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um



AutoFind: Scans 2231, 2232, 2233; Background Corrected with Scan 2222

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	7405	PASS
75	95	30	60	42.8	19448	PASS
95	95	100	100	100.0	45440	PASS
96	95	5	9	6.6	3021	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	96.5	43845	PASS
175	174	5	9	7.7	3358	PASS
176	174	95	101	97.8	42872	PASS
177	176	5	9	6.7	2860	PASS

Y146732.D MYS6377.M Wed Jun 25 11:35:55 2014 RPT1

Average of 14.692 to 14.702 min.: Y146732.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	384	50.10	7405	67.20	53	78.95	874
37.10	1873	51.10	2280	68.05	3787	80.00	262
38.10	1622	52.05	115	69.05	3738	80.95	834
39.10	696	55.10	179	70.05	317	81.95	177
40.05	108	56.05	572	72.05	191	86.00	40
43.10	79	57.05	1004	73.05	1661	87.00	2421
44.05	108	60.05	373	74.10	6211	88.00	2392
45.10	346	61.05	1602	75.10	19448	90.95	142
47.10	736	62.10	1684	76.10	1578	92.00	1056
48.05	229	63.05	1196	77.00	296	93.05	1587
49.10	1479	64.10	103	78.00	243	94.05	4676

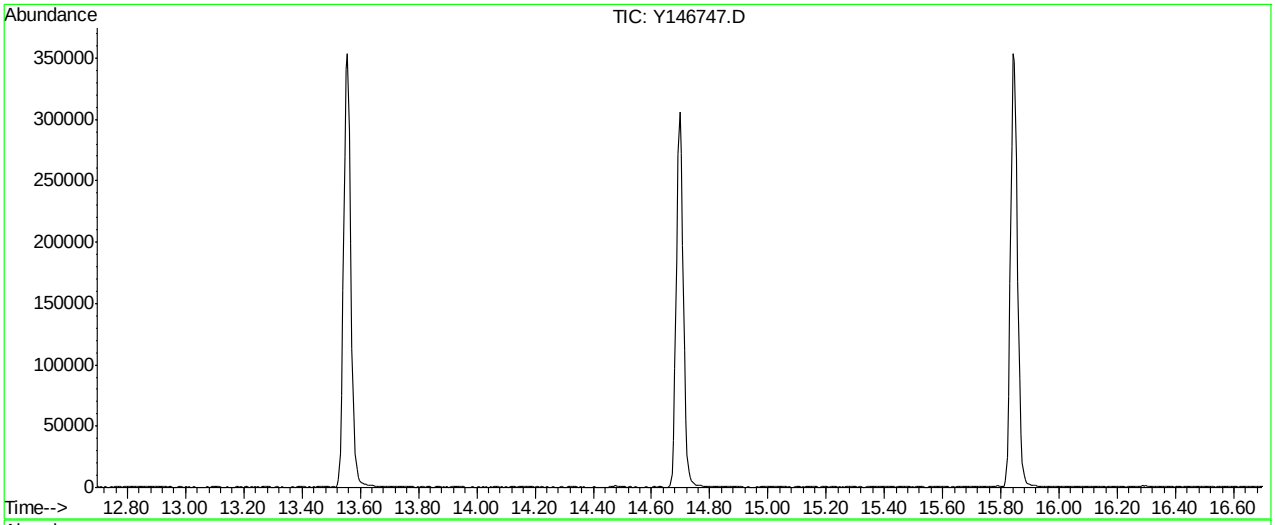
Average of 14.692 to 14.702 min.: Y146732.D
BFB
Modified:subtracted

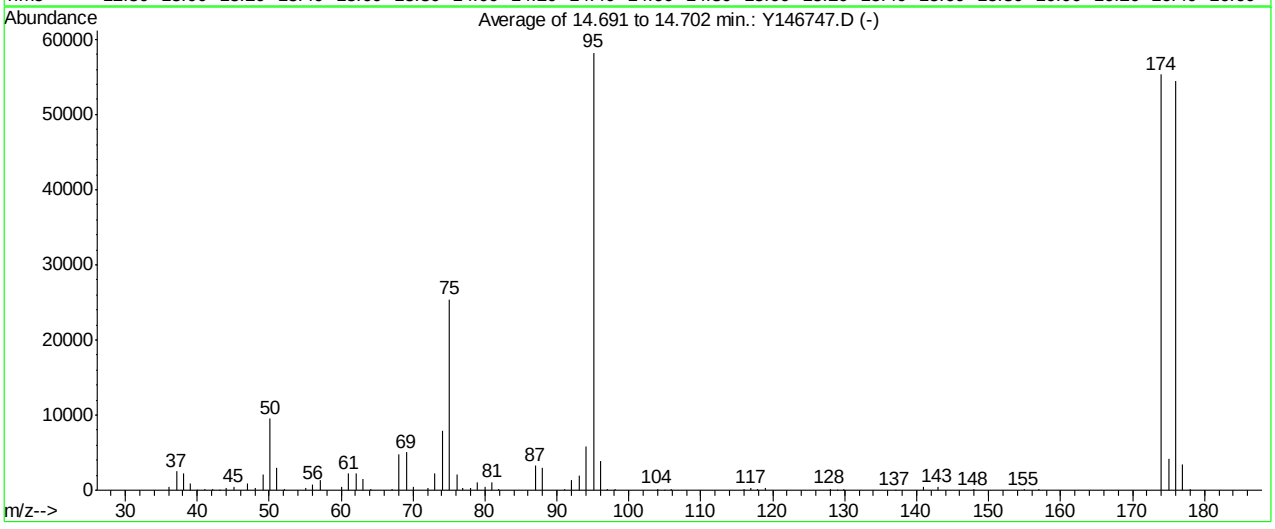
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	45440	135.00	39	178.00	35		
96.05	3021	137.00	35				
97.05	77	140.90	321				
103.95	166	142.95	376				
105.95	138	147.95	83				
115.90	85	154.90	75				
116.95	218	156.90	36				
117.95	89	174.00	43845				
119.00	212	175.00	3358				
127.90	192	176.00	42872				
129.95	134	177.00	2860				

SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\Y146747.D Vial: 1
Acq On : 25 Jun 2014 9:32 am Operator: prashans
Sample : BFB2 Inst : MSY
Misc : MS69208,VY6377,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2231, 2232, 2233; Background Corrected with Scan 2222

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	9478	PASS
75	95	30	60	43.6	25410	PASS
95	95	100	100	100.0	58253	PASS
96	95	5	9	6.7	3921	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	94.9	55309	PASS
175	174	5	9	7.7	4235	PASS
176	174	95	101	98.5	54496	PASS
177	176	5	9	6.4	3483	PASS

Y146747.D MYS6377.M Wed Jun 25 11:36:22 2014 RPT1

Average of 14.691 to 14.702 min.: Y146747.D
BFB2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	501	48.05	300	63.10	1542	76.95	364
37.10	2482	49.10	2025	64.10	159	77.95	304
38.10	2189	50.10	9478	67.10	175	78.95	1054
39.10	892	51.10	2917	68.05	4833	80.00	381
40.00	62	52.05	125	69.05	5064	80.95	1092
41.10	129	55.10	359	70.10	421	81.95	228
42.15	146	56.05	766	72.05	282	87.00	3233
43.10	42	57.05	1339	73.05	2236	88.00	2973
44.05	345	60.05	442	74.10	7969	91.00	168
45.10	425	61.05	2222	75.10	25410	92.00	1275
47.05	919	62.10	2212	76.10	2153	93.05	2006

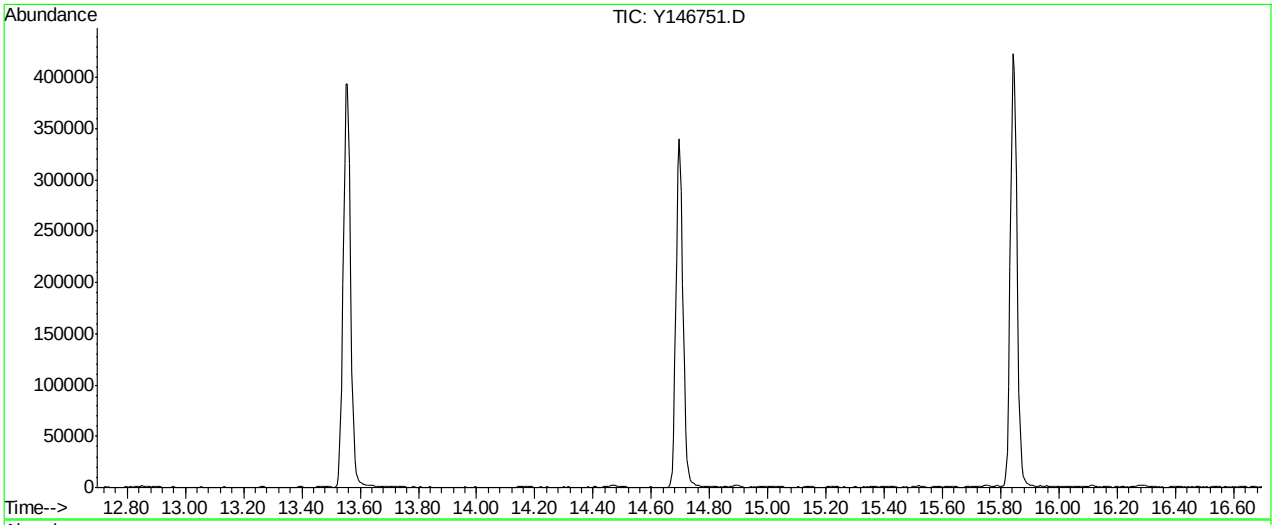
Average of 14.691 to 14.702 min.: Y146747.D
BFB2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	5869	118.95	234	175.00	4235		
95.10	58253	127.95	209	176.00	54496		
96.05	3921	128.90	73	177.00	3483		
97.05	122	129.90	179	178.00	80		
98.05	82	137.00	39				
103.95	202	140.95	430				
104.90	34	142.95	437				
105.95	180	147.95	118				
115.95	166	154.95	148				
116.95	290	156.95	109				
117.90	162	174.00	55309				

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\Y146751.D Vial: 1
Acq On : 25 Jun 2014 1:16 pm Operator: prashans
Sample : BFB Inst : MSY
Misc : MS69208,VY6378,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um



AutoFind: Scans 2231, 2232, 2233; Background Corrected with Scan 2222

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	10533	PASS
75	95	30	60	42.7	27445	PASS
95	95	100	100	100.0	64314	PASS
96	95	5	9	6.6	4268	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	96.8	62280	PASS
175	174	5	9	7.8	4859	PASS
176	174	95	101	97.4	60645	PASS
177	176	5	9	6.9	4169	PASS

Y146751.D MYS6377.M Thu Jun 26 11:26:31 2014 RPT1

Average of 14.692 to 14.702 min.: Y146751.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	528	48.10	358	62.05	2287	75.10	27445
37.10	2709	49.10	2190	63.05	1689	76.10	2338
38.10	2383	50.10	10533	64.05	161	77.00	420
39.10	1036	51.10	3182	67.00	65	78.00	324
40.00	71	52.10	120	67.20	69	79.00	1155
41.10	53	55.05	395	68.05	5421	80.00	378
42.10	172	56.00	732	69.10	5453	81.00	1290
43.10	37	57.05	1432	70.05	467	81.95	244
44.10	335	58.10	35	72.05	329	87.00	3520
45.10	529	60.00	524	73.05	2415	88.00	3220
47.10	994	61.05	2235	74.10	8815	91.00	221

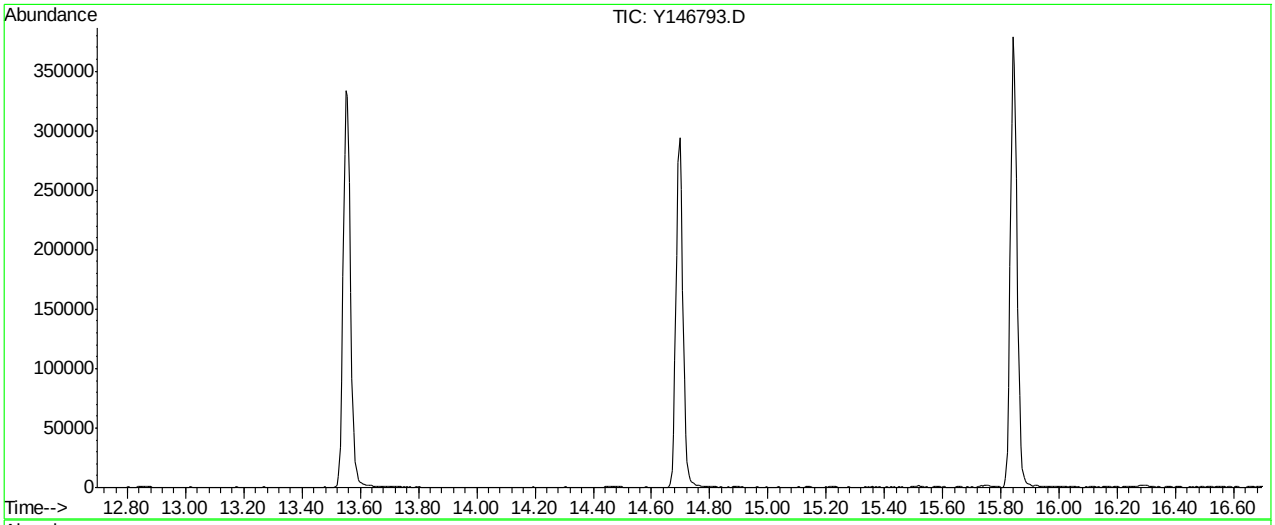
Average of 14.692 to 14.702 min.: Y146751.D
BFB
Modified:subtracted

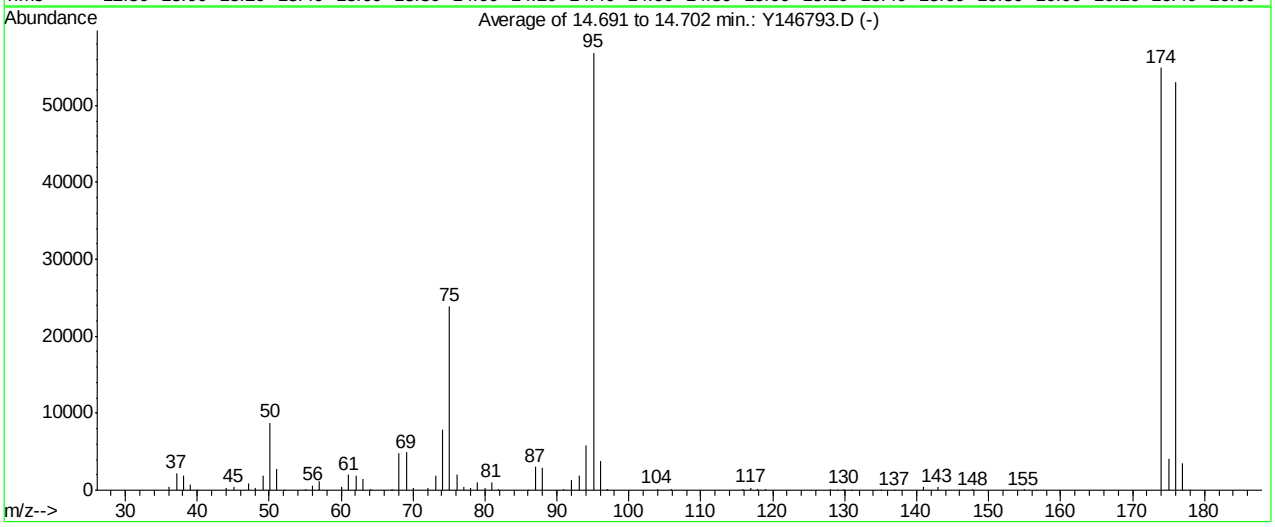
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.00	1486	117.95	182	154.90	184		
93.00	2193	118.95	275	156.95	74		
94.10	6631	127.90	211	174.00	62280		
95.05	64314	128.90	90	175.00	4859		
96.10	4268	129.95	213	176.00	60645		
97.00	160	130.80	37	176.95	4169		
98.05	132	134.95	105	177.95	98		
103.95	228	136.80	33				
105.90	208	140.95	492				
115.95	165	142.95	449				
117.00	300	147.95	174				

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\Y146793.D Vial: 1
Acq On : 26 Jun 2014 9:19 am Operator: prashans
Sample : BFB Inst : MSY
Misc : MS69579,VY6380,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2231, 2232, 2233; Background Corrected with Scan 2222

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	8801	PASS
75	95	30	60	42.0	23909	PASS
95	95	100	100	100.0	56882	PASS
96	95	5	9	6.5	3720	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	96.5	54912	PASS
175	174	5	9	7.5	4135	PASS
176	174	95	101	96.5	52986	PASS
177	176	5	9	6.5	3433	PASS

Y146793.D MYS6377.M Fri Jun 27 17:14:20 2014 RPT1

Average of 14.691 to 14.702 min.: Y146793.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	454	51.10	2776	68.00	4748	80.00	312
37.10	2237	52.10	77	69.05	4908	80.90	1057
38.10	1957	55.05	168	70.05	356	81.95	201
39.10	794	56.05	656	72.00	284	86.00	35
40.00	6	57.00	1185	73.10	1942	87.00	3001
44.00	293	60.05	460	74.10	7807	88.00	2920
45.10	435	61.05	2028	75.10	23909	90.95	153
47.10	820	62.05	1941	76.05	2010	92.05	1254
48.05	273	63.05	1459	77.00	408	93.05	1906
49.10	1898	64.05	128	77.95	251	94.10	5868
50.10	8801	67.05	106	78.95	994	95.05	56882

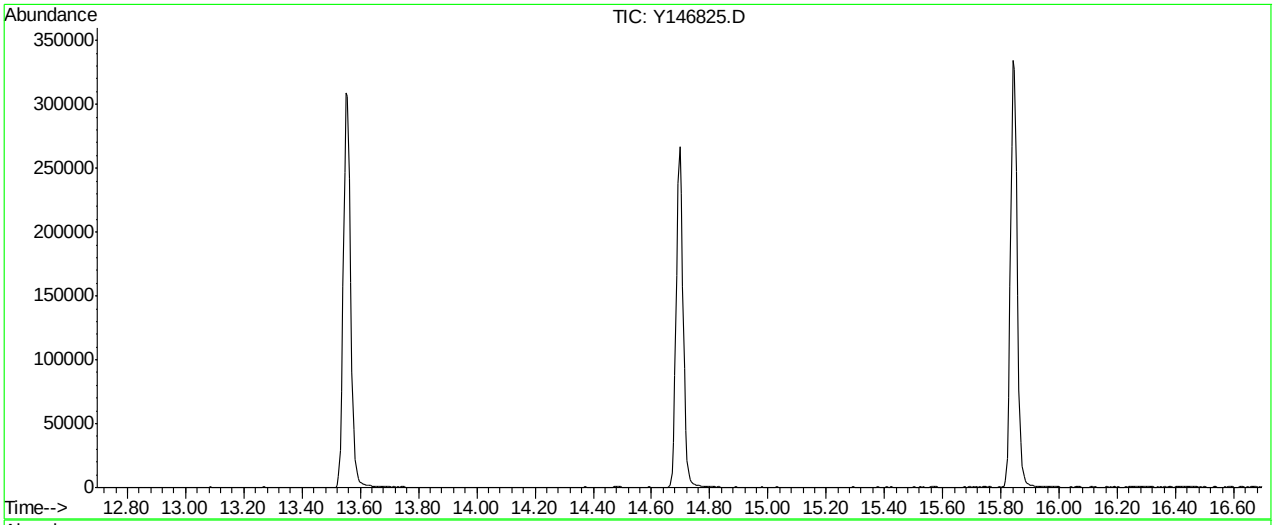
Average of 14.691 to 14.702 min.: Y146793.D
BFB
Modified:subtracted

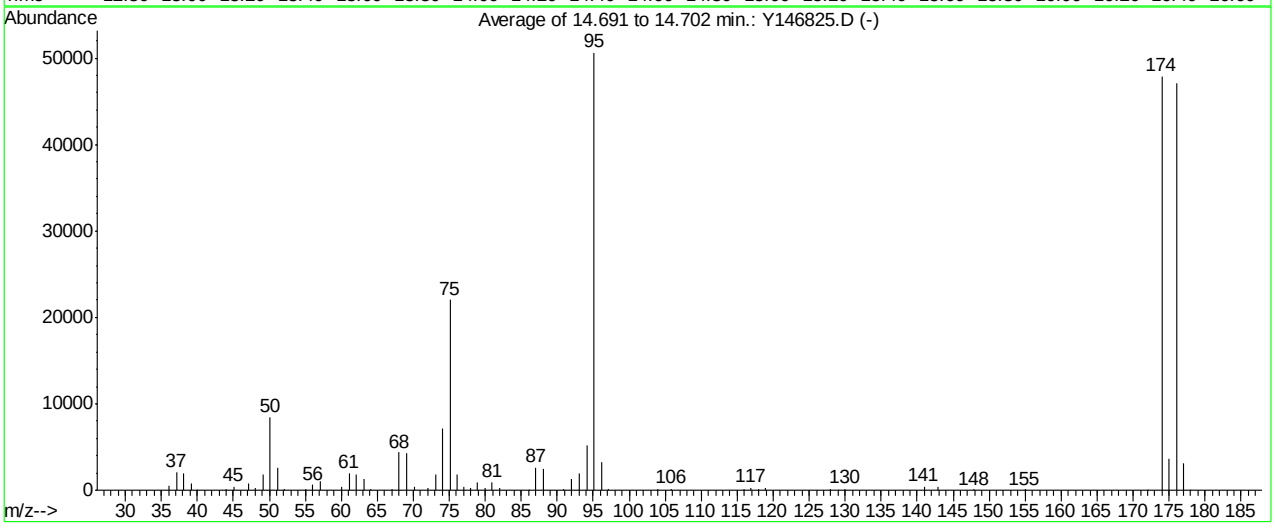
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	3720	131.00	35	177.00	3433		
97.05	123	135.00	33	178.00	48		
103.95	196	136.90	38				
105.90	187	141.00	427				
115.90	150	142.95	433				
116.95	302	145.90	37				
117.90	175	147.85	117				
118.95	218	154.95	132				
127.95	172	174.00	54912				
129.00	34	175.00	4135				
129.95	188	176.00	52986				

SW-846 Method 8260

Data File : C:\MSDChem\1\DATA\Y146825.D Vial: 1
Acq On : 27 Jun 2014 8:41 am Operator: prashans
Sample : BFB Inst : MSY
Misc : MS69577,VY6381,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2231, 2232, 2233; Background Corrected with Scan 2222

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	8444	PASS
75	95	30	60	43.4	21994	PASS
95	95	100	100	100.0	50648	PASS
96	95	5	9	6.5	3300	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	94.6	47920	PASS
175	174	5	9	7.6	3641	PASS
176	174	95	101	98.2	47077	PASS
177	176	5	9	6.5	3078	PASS

Y146825.D MYS6377.M Mon Jun 30 17:01:37 2014 RPT1

Average of 14.691 to 14.702 min.: Y146825.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	463	51.10	2545	68.05	4354	80.00	290
37.10	2101	52.05	125	69.10	4273	80.95	977
38.10	1899	55.05	153	70.10	335	81.95	225
39.10	719	56.05	628	72.05	250	86.00	33
40.00	30	57.05	1092	73.10	1859	87.00	2613
44.05	199	60.05	443	74.10	7196	88.00	2454
45.05	421	61.10	1963	75.10	21994	90.95	167
47.10	769	62.05	1827	76.10	1862	92.00	1243
48.05	274	63.10	1313	77.00	337	93.00	1899
49.10	1773	64.10	129	78.00	259	94.10	5237
50.10	8444	67.10	160	78.90	954	95.10	50648

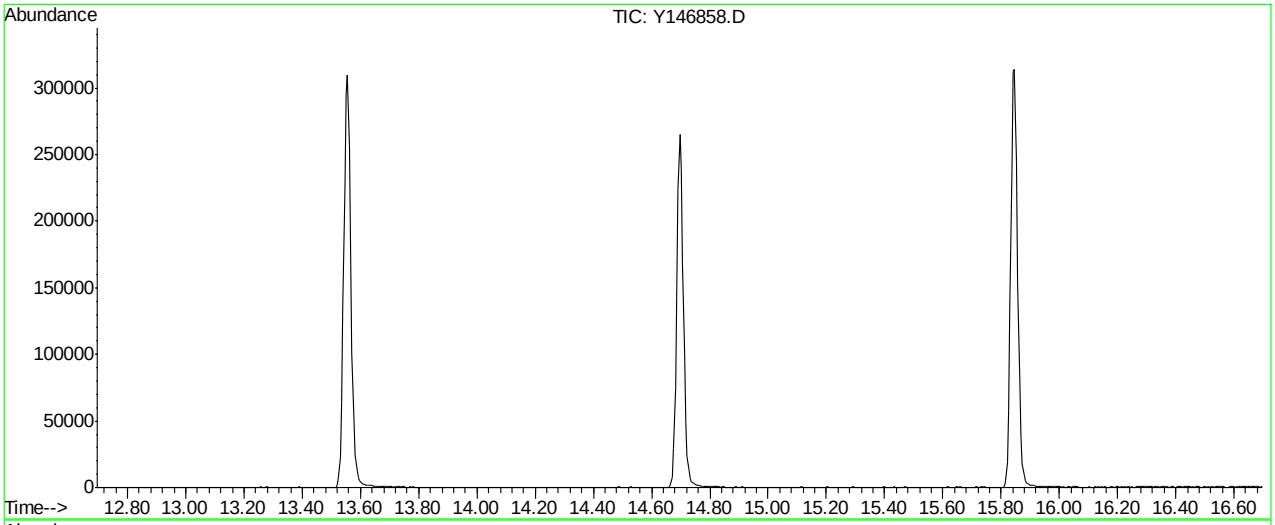
Average of 14.691 to 14.702 min.: Y146825.D
BFB
Modified:subtracted

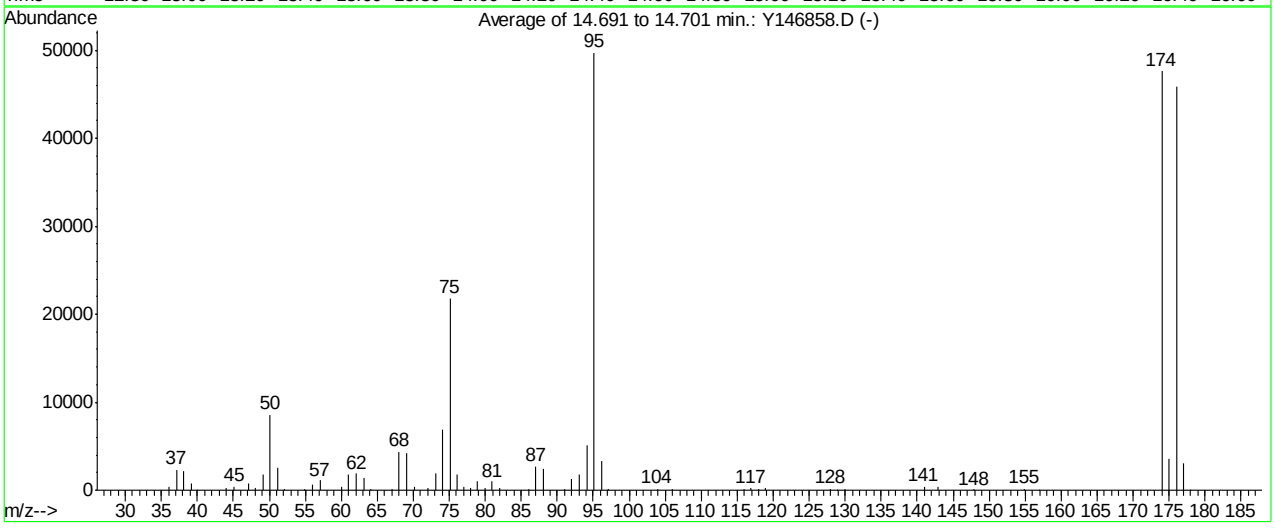
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	3300	140.95	395				
97.05	85	142.95	391				
104.00	165	147.95	84				
105.90	192	155.00	87				
115.95	154	172.00	41				
116.90	269	174.00	47920				
117.95	140	175.00	3641				
118.95	201	176.00	47077				
127.90	170	177.00	3078				
129.10	34	177.90	40				
130.00	171						

SW-846 Method 8260

Data File : C:\MSDCHEM\1\DATA\Y146858.D Vial: 1
Acq On : 30 Jun 2014 10:12 am Operator: prashans
Sample : BFB Inst : MSY
Misc : MS69575,VY6383,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MYS6377.M (RTE Integrator)
Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um





AutoFind: Scans 2231, 2232, 2233; Background Corrected with Scan 2223

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	8596	PASS
75	95	30	60	43.8	21805	PASS
95	95	100	100	100.0	49762	PASS
96	95	5	9	6.6	3291	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.7	47634	PASS
175	174	5	9	7.6	3612	PASS
176	174	95	101	96.4	45925	PASS
177	176	5	9	6.6	3016	PASS

Y146858.D MYS6377.M Mon Jun 30 16:49:39 2014 RPT1

Average of 14.691 to 14.701 min.: Y146858.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	424	51.10	2533	68.05	4398	80.00	258
37.10	2317	52.10	73	69.05	4267	80.95	1019
38.10	2136	54.95	147	70.10	369	81.95	206
39.10	774	56.05	633	72.05	270	86.05	74
40.00	11	57.05	1116	73.05	1923	87.00	2708
44.05	298	60.00	419	74.10	6856	88.00	2382
45.10	437	61.05	1784	75.10	21805	91.00	146
47.10	809	62.10	1866	76.10	1837	92.00	1242
48.10	303	63.10	1397	77.05	327	93.05	1785
49.10	1727	64.15	143	77.95	247	94.10	5137
50.10	8596	67.10	98	78.95	994	95.10	49762

Average of 14.691 to 14.701 min.: Y146858.D
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.10	3291	129.95	170				
96.90	36	141.00	415				
97.10	71	142.90	365				
103.95	170	147.95	88				
105.95	170	154.90	135				
116.00	154	156.90	36				
116.90	249	174.00	47634				
117.95	155	175.00	3612				
118.95	214	176.00	45925				
127.95	186	177.00	3016				
128.90	41	177.90	37				

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119838.D Vial: 2
Acq On : 3 Jun 2014 5:17 pm Operator: payalr
Sample : ic5440-0.2 Inst : MS2B
Misc : MS68179,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 12:15:59 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:15:53 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

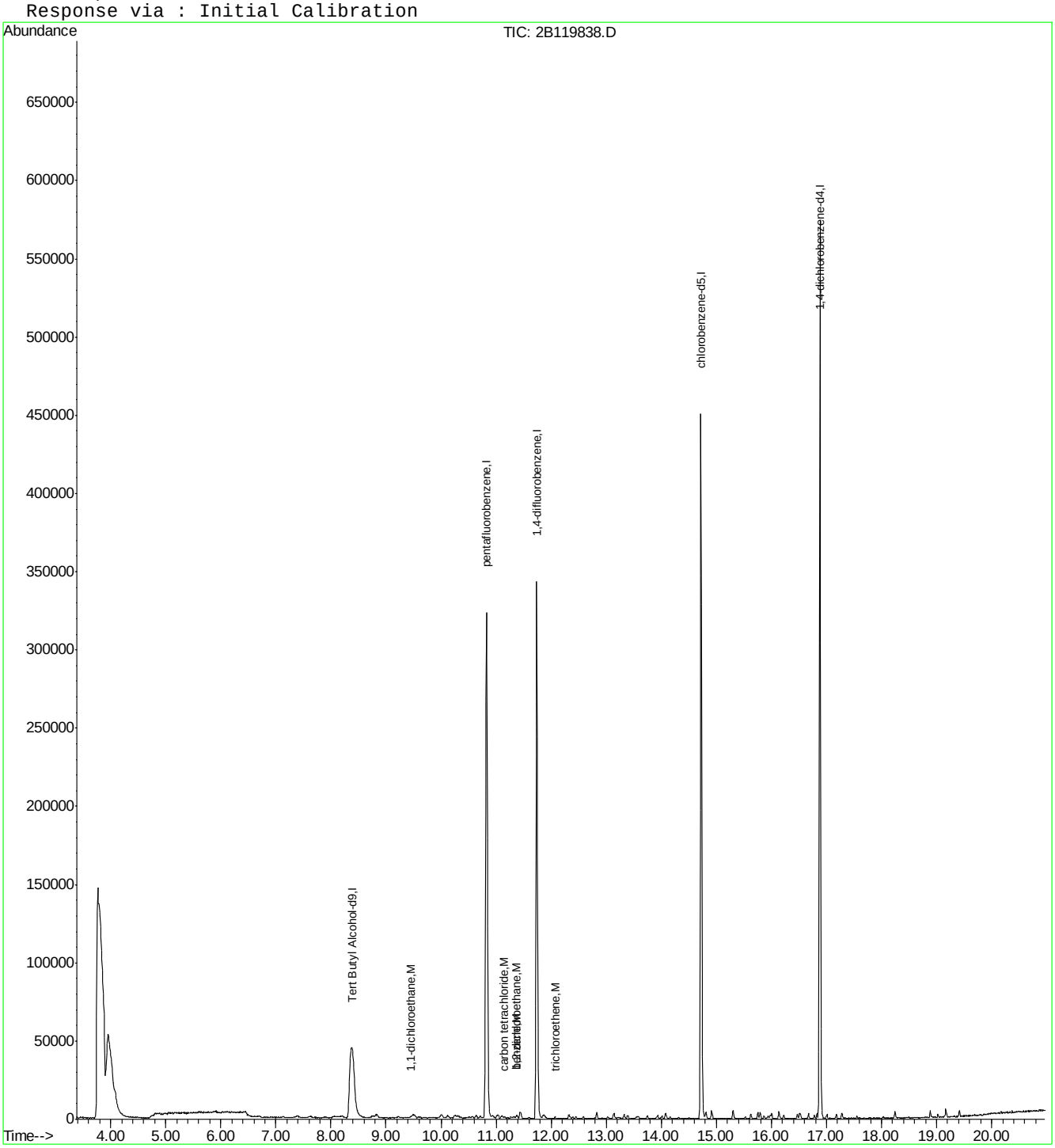
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	153736	500.00	ug/L	0.01
5) pentafluorobenzene	10.82	168	303029	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	312392	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	249522	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	148559	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L	
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#		
52) 1,2-dichloroethane-d4 (s)	0.00	65	0	0.00	ug/L	
Spiked Amount 50.000	Range 72 - 123		Recovery =	0.00%#		
82) toluene-d8 (s)	0.00	98	0d	0.00	ug/L	
Spiked Amount 50.000	Range 78 - 119		Recovery =	0.00%#		
108) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L	
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#		
Target Compounds						Qvalue
38) 1,1-dichloroethane	9.45	63	993	0.22	ug/L #	49
63) carbon tetrachloride	11.14	117	814	0.25	ug/L	89
66) benzene	11.38	78	2153	0.27	ug/L	98
71) 1,2-dichloroethane	11.36	62	491	0.20	ug/L #	46
72) trichloroethene	12.08	95	422	0.23	ug/L #	53

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119838.D Vial: 2
Acq On : 3 Jun 2014 5:17 pm Operator: payalr
Sample : ic5440-0.2 Inst : MS2B
Misc : MS68179,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 13:04 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/06/14 10:07

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:27:52 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.35	65	142897	500.00	ug/L		-0.02
5) pentafluorobenzene	10.82	168	294645	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	303108	50.00	ug/L		0.00
90) chlorobenzene-d5	14.72	117	242750	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	148526	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	0.00	113	0d	0.00	ug/L		
Spiked Amount 50.000	Range 79 - 120		Recovery =	0.00%#			
52) 1,2-dichloroethane-d4 (s)	11.28	65	1180	0.64	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery =	1.28%#			
82) toluene-d8 (s)	13.32	98	3490	0.66	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery =	1.32%#			
108) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery =	0.00%#			
Target Compounds							Qvalue
12) chloromethane	4.84	50	2520m	0.54	ug/L		
28) iodomethane	7.88	142	1965	0.39	ug/L	#	47
30) carbon disulfide	8.05	76	3812	0.40	ug/L		81
31) methylene chloride	8.38	84	1243	0.46	ug/L		95
34) methyl tert butyl ether	8.82	73	3679	0.48	ug/L		96
35) trans-1,2-dichloroethene	8.83	96	1071	0.46	ug/L		94
36) di-isopropyl ether	9.50	45	3573	0.47	ug/L		77
38) 1,1-dichloroethane	9.45	63	1708	0.42	ug/L		83
40) acrylonitrile	8.75	53	2411	2.50	ug/L		81
42) ethyl tert-butyl ether	9.99	59	3922	0.53	ug/L		86
44) 2,2-dichloropropane	10.28	77	1595	0.44	ug/L		86
45) cis-1,2-dichloroethene	10.24	96	1076	0.41	ug/L		84
46) propionitrile	10.30	54	2167	6.12	ug/L		73
47) bromochloromethane	10.56	128	506	0.40	ug/L		93
49) chloroform	10.63	83	2078	0.55	ug/L		88
63) carbon tetrachloride	11.15	117	1135	0.37	ug/L		70
64) 1,1-dichloropropene	11.11	75	879	0.36	ug/L	#	41
66) benzene	11.37	78	3214	0.43	ug/L		97
68) tert-amyl methyl ether	11.44	73	4124	0.60	ug/L		96
71) 1,2-dichloroethane	11.36	62	1109	0.48	ug/L	#	49
72) trichloroethene	12.08	95	653	0.36	ug/L		81
77) 1,2-dichloropropane	12.31	63	750	0.39	ug/L	#	48
78) dibromomethane	12.45	93	549	0.47	ug/L	#	74
80) bromodichloromethane	12.58	83	1166	0.48	ug/L		81
81) cis-1,3-dichloropropene	13.03	75	1411	0.51	ug/L		81
84) toluene	13.39	92	1725	0.42	ug/L		83
86) trans-1,3-dichloropropene	13.55	75	1279	0.53	ug/L		77
87) ethyl methacrylate	13.57	69	1108	0.54	ug/L		63
88) 1,1,2-trichloroethane	13.74	83	755	0.56	ug/L		91
93) 1,3-dichloropropane	13.92	76	1178	0.50	ug/L		95
96) dibromochloromethane	14.16	129	1106	0.55	ug/L		86
97) 1,2-dibromoethane	14.31	107	878	0.53	ug/L		90
98) chlorobenzene	14.75	112	2373	0.53	ug/L		83

(#) = qualifier out of range (m) = manual integration
2B119839.D M2B5440.M Fri Jun 06 14:36:41 2014 MS2B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:27:52 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

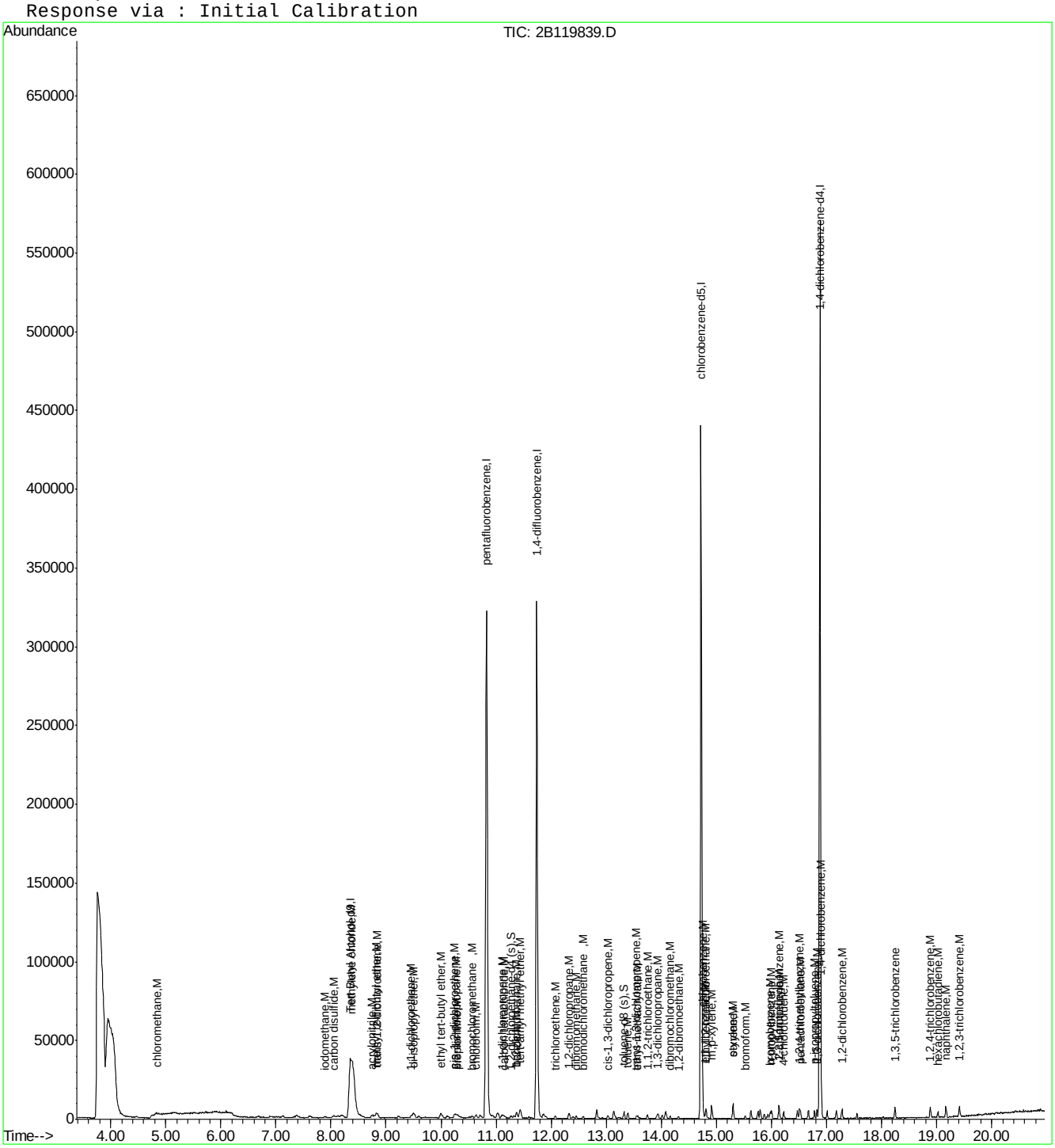
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
99)	1,1,1,2-tetrachloroethane	14.80	131	1168	0.53	ug/L		90
100)	ethylbenzene	14.81	91	3292	0.43	ug/L		94
101)	m,p-xylene	14.91	106	2522	0.84	ug/L		94
102)	o-xylene	15.30	106	1548	0.49	ug/L	#	79
103)	styrene	15.31	104	2314	0.50	ug/L		95
105)	bromoform	15.53	173	959	0.67	ug/L		76
110)	bromobenzene	15.98	156	1285	0.52	ug/L		83
114)	n-propylbenzene	16.00	91	4052	0.44	ug/L		97
115)	2-chlorotoluene	16.14	126	1036	0.47	ug/L	#	73
116)	4-chlorotoluene	16.22	91	2902	0.51	ug/L		98
117)	1,3,5-trimethylbenzene	16.15	105	3158	0.43	ug/L		84
119)	pentachloroethane	16.52	167	1048	0.56	ug/L		90
120)	1,2,4-trimethylbenzene	16.50	105	3178	0.44	ug/L		96
122)	1,3-dichlorobenzene	16.83	146	2657	0.57	ug/L		98
123)	p-isopropyltoluene	16.78	119	3329	0.40	ug/L		95
124)	1,4-dichlorobenzene	16.91	146	2726	0.59	ug/L		91
125)	1,2-dichlorobenzene	17.28	146	2846	0.55	ug/L		92
128)	1,3,5-trichlorobenzene	18.24	180	2741	0.55	ug/L	#	93
129)	1,2,4-trichlorobenzene	18.88	180	2683	0.54	ug/L		90
130)	hexachlorobutadiene	19.02	225	1115	0.50	ug/L	#	72
131)	naphthalene	19.17	128	5854	0.60	ug/L		98
132)	1,2,3-trichlorobenzene	19.41	180	2686	0.58	ug/L		98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 13:14 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



Manual Integration Approval Summary

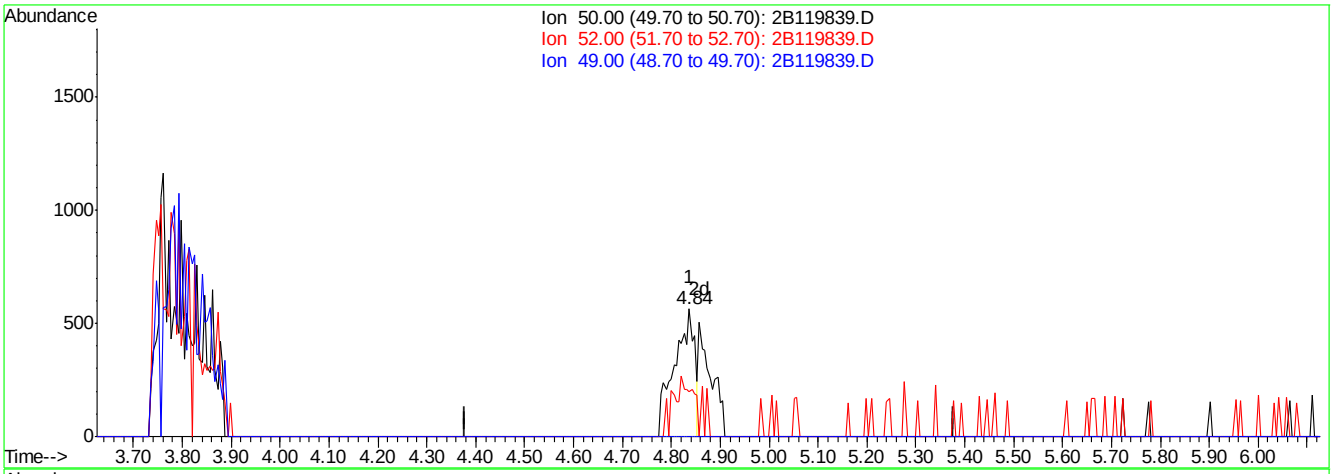
Sample Number:	V2B5440-IC5440	**Method:**	SW846 8260B
Lab FileID:	2B119839.D	**Analyst approved:**	06/04/14 13:44 Ying Li
Injection Time:	06/03/14 17:48	**Supervisor approved:**	06/06/14 10:07 Jessica Reitan-Chu

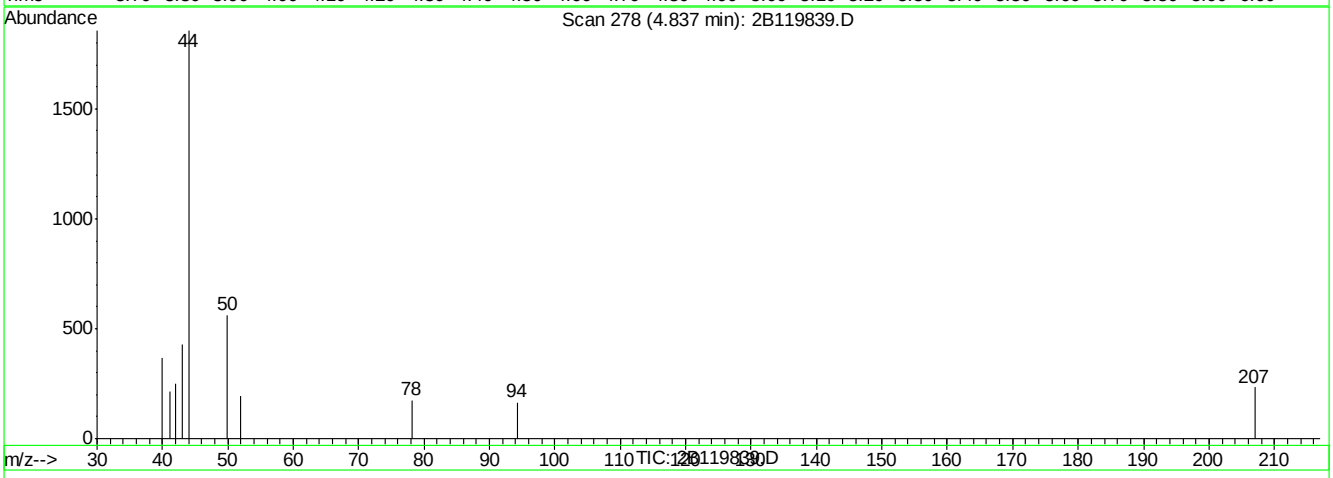
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		4.84	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:35 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.35ug/L

response 1617

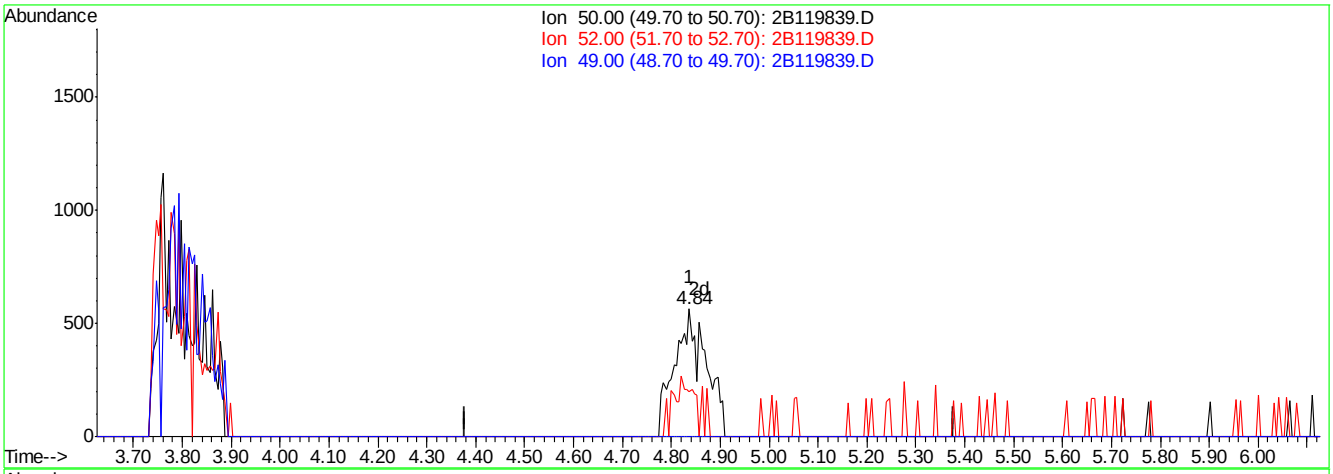
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	34.81
49.00	9.90	0.00
0.00	0.00	0.00

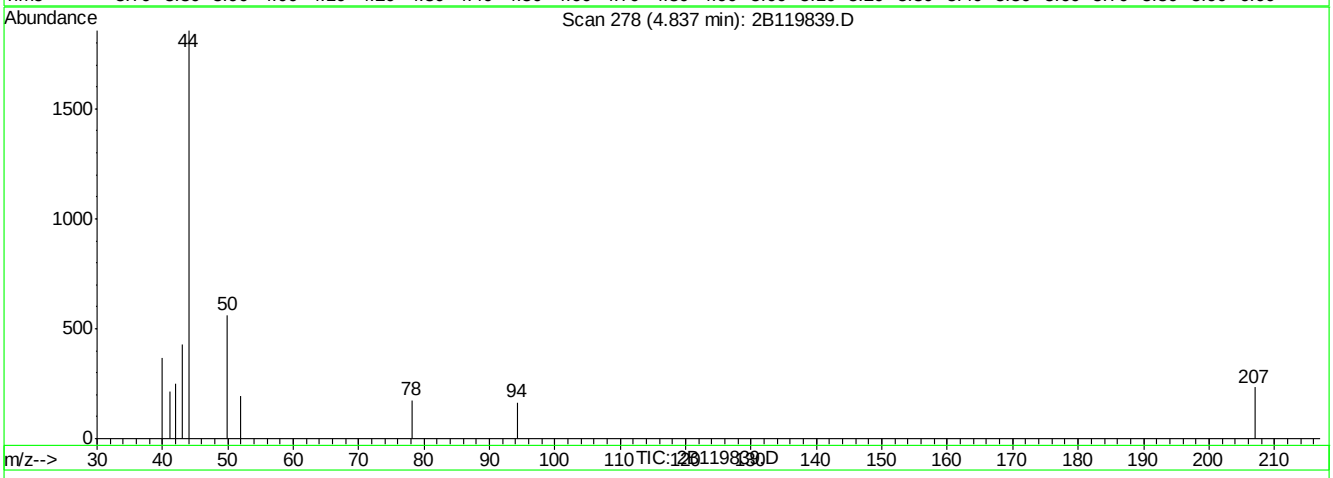
2B119839.D M2B5440.M Wed Jun 04 11:35:12 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119839.D Vial: 3
Acq On : 3 Jun 2014 5:48 pm Operator: payalr
Sample : ic5440-0.5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:35 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.54ug/L m

response 2520

Ion	Exp%	Act%
50.00	100	100
52.00	31.00	34.81
49.00	9.90	0.00
0.00	0.00	0.00

2B119839.D M2B5440.M Wed Jun 04 11:35:20 2014 MS2B

Manual Integrations APPROVED (compounds with "m" flag)
Jessica Reitan-Chu 06/06/14 10:07

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:43:10 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	142959	500.00	ug/L		0.00
5) pentafluorobenzene	10.82	168	295755	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	309015	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	246264	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	148591	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.83	113	2772	1.33	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 2.66%#				
52) 1,2-dichloroethane-d4 (s)	11.28	65	2314	1.24	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 2.48%#				
82) toluene-d8 (s)	13.32	98	6363	1.18	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 2.36%#				
108) 4-bromofluorobenzene (s)	0.00	95	0d	0.00	ug/L		
Spiked Amount 50.000	Range 74 - 119		Recovery = 0.00%#				
Target Compounds							Qvalue
9) chlorodifluoromethane	4.46	51	2400	0.87	ug/L		65
10) dichlorodifluoromethane	4.46	85	2820	0.75	ug/L		89
12) chloromethane	4.84	50	4440m	0.95	ug/L		
13) vinyl chloride	5.15	62	4185	0.95	ug/L		87
15) bromomethane	5.90	94	3232	1.14	ug/L		85
16) chloroethane	6.10	64	1638m	0.91	ug/L		
18) trichlorofluoromethane	6.69	101	3479	0.79	ug/L		83
20) ethyl ether	7.14	74	960	0.81	ug/L	#	66
21) acrolein	7.37	56	5019	9.89	ug/L		100
22) 2-chloropropane	7.33	43	5224	1.17	ug/L		93
24) 1,1-dichloroethene	7.59	96	2781	1.14	ug/L		85
26) allyl chloride	8.20	76	1071	0.95	ug/L	#	53
28) iodomethane	7.90	142	5457	1.07	ug/L		96
30) carbon disulfide	8.05	76	10957	1.15	ug/L		99
31) methylene chloride	8.38	84	3350	1.23	ug/L		89
34) methyl tert butyl ether	8.83	73	8525	1.11	ug/L		95
35) trans-1,2-dichloroethene	8.83	96	2600	1.12	ug/L		86
36) di-isopropyl ether	9.49	45	8917	1.17	ug/L		88
38) 1,1-dichloroethane	9.45	63	4185	1.03	ug/L		91
39) chloroprene	9.59	53	2648	1.00	ug/L		97
40) acrylonitrile	8.75	53	4751	4.91	ug/L		95
42) ethyl tert-butyl ether	10.01	59	9044	1.22	ug/L		97
44) 2,2-dichloropropane	10.27	77	4113	1.13	ug/L		94
45) cis-1,2-dichloroethene	10.24	96	2947	1.12	ug/L	#	77
46) propionitrile	10.31	54	3713	10.45	ug/L		93
47) bromochloromethane	10.57	128	1327	1.05	ug/L		90
48) tetrahydrofuran	10.64	42	726	0.96	ug/L	#	32
49) chloroform	10.64	83	4247	1.13	ug/L		94
50) t-butyl formate	10.71	59	2187	1.25	ug/L		88
53) freon 113	7.63	151	1958m	0.95	ug/L		
54) methacrylonitrile	10.50	41	1304	1.01	ug/L		92
55) 1,1,1-trichloroethane	10.93	97	3747	1.06	ug/L		89
56) Cyclohexane	11.03	84	3674	1.05	ug/L	#	77

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:43:10 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
63)	carbon tetrachloride	11.14	117	3442	1.10	ug/L		95
64)	1,1-dichloropropene	11.11	75	2594	1.05	ug/L		87
65)	hexane	9.23	57	2060	0.93	ug/L		98
66)	benzene	11.38	78	8049	1.06	ug/L		92
67)	2,2,4-trimethylpentane	11.43	57	6384	0.87	ug/L		93
68)	tert-amyl methyl ether	11.44	73	9942	1.41	ug/L		95
69)	heptane	11.60	57	879	0.80	ug/L	#	69
71)	1,2-dichloroethane	11.36	62	2585	1.10	ug/L		86
72)	trichloroethene	12.08	95	1895	1.02	ug/L		91
77)	1,2-dichloropropane	12.32	63	1916	0.97	ug/L		98
78)	dibromomethane	12.44	93	1103	0.92	ug/L		87
79)	methylcyclohexane	12.32	83	3200	0.90	ug/L		90
80)	bromodichloromethane	12.58	83	2367	0.95	ug/L		91
81)	cis-1,3-dichloropropene	13.03	75	2550	0.91	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	957	1.09	ug/L	#	90
84)	toluene	13.39	92	3849	0.92	ug/L		96
86)	trans-1,3-dichloropropene	13.55	75	2248	0.92	ug/L		94
87)	ethyl methacrylate	13.58	69	1730	0.82	ug/L		92
88)	1,1,2-trichloroethane	13.74	83	1261	0.91	ug/L		97
89)	2-hexanone	13.94	58	506	0.82	ug/L	#	83
92)	tetrachloroethene	13.94	164	1598	1.00	ug/L	#	67
93)	1,3-dichloropropane	13.92	76	2484	1.04	ug/L		75
96)	dibromochloromethane	14.16	129	1945	0.96	ug/L		86
97)	1,2-dibromoethane	14.31	107	1581	0.94	ug/L		99
98)	chlorobenzene	14.76	112	4206	0.93	ug/L		96
99)	1,1,1,2-tetrachloroethane	14.80	131	1975	0.89	ug/L		87
100)	ethylbenzene	14.82	91	6843	0.88	ug/L		91
101)	m,p-xylene	14.92	106	5066	1.66	ug/L		99
102)	o-xylene	15.30	106	2735	0.85	ug/L	#	80
103)	styrene	15.31	104	4278	0.91	ug/L		89
105)	bromoform	15.53	173	1483	1.02	ug/L		78
107)	isopropylbenzene	15.63	105	7442	0.82	ug/L		99
109)	cyclohexanone	15.75	98	1587	11.32	ug/L	#	77
110)	bromobenzene	15.98	156	2219	0.90	ug/L		98
111)	1,1,2,2-tetrachloroethane	15.87	83	2721	0.93	ug/L		98
112)	trans-1,4-dichloro-2-buten	15.91	53	427	0.84	ug/L	#	66
113)	1,2,3-trichloropropane	15.94	110	554	0.96	ug/L		96
114)	n-propylbenzene	16.00	91	8153	0.88	ug/L		93
115)	2-chlorotoluene	16.13	126	1850	0.83	ug/L	#	84
116)	4-chlorotoluene	16.22	91	5162	0.91	ug/L		94
117)	1,3,5-trimethylbenzene	16.14	105	5877	0.79	ug/L		96
118)	tert-butylbenzene	16.47	119	5266	0.80	ug/L		99
119)	pentachloroethane	16.53	167	1785	0.95	ug/L		95
120)	1,2,4-trimethylbenzene	16.51	105	6020	0.84	ug/L		99
122)	1,3-dichlorobenzene	16.83	146	4604	0.98	ug/L		91
124)	1,4-dichlorobenzene	16.91	146	4702	1.01	ug/L		98
125)	1,2-dichlorobenzene	17.28	146	5042	0.98	ug/L		95
126)	n-butylbenzene	17.17	92	3395	0.84	ug/L		99
127)	1,2-dibromo-3-chloropropan	18.03	75	512	1.05	ug/L		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:43:10 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

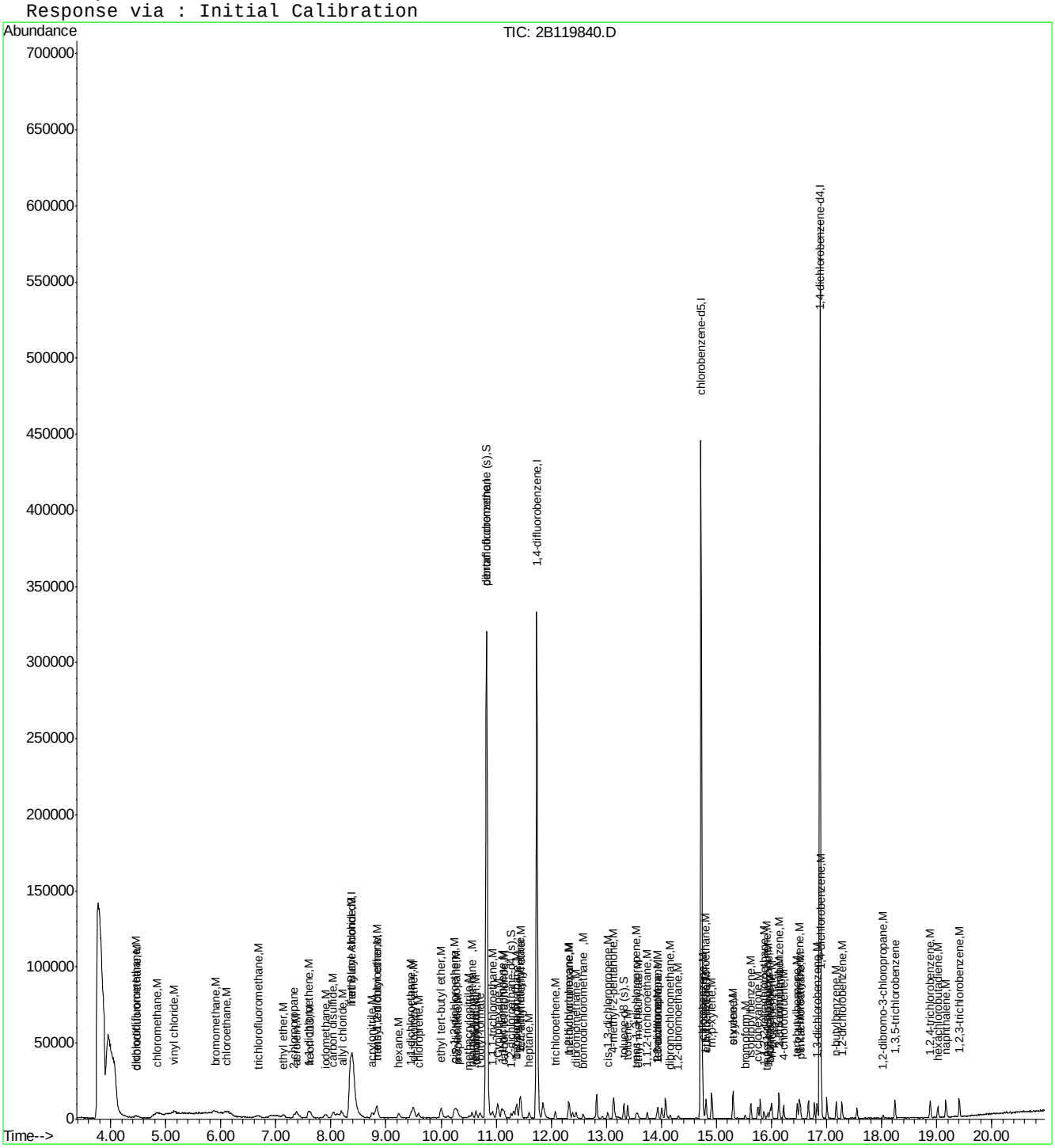
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
128) 1,3,5-trichlorobenzene	18.24	180	4577	0.92	ug/L	99
129) 1,2,4-trichlorobenzene	18.89	180	4318	0.87	ug/L	96
130) hexachlorobutadiene	19.02	225	1983	0.88	ug/L	97
131) naphthalene	19.17	128	9499	0.98	ug/L	93
132) 1,2,3-trichlorobenzene	19.41	180	4411	0.96	ug/L	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed
2B119840.D M2B5440.M Fri Jun 06 14:37:23 2014 MS2B Page 3

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:37 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



Manual Integration Approval Summary

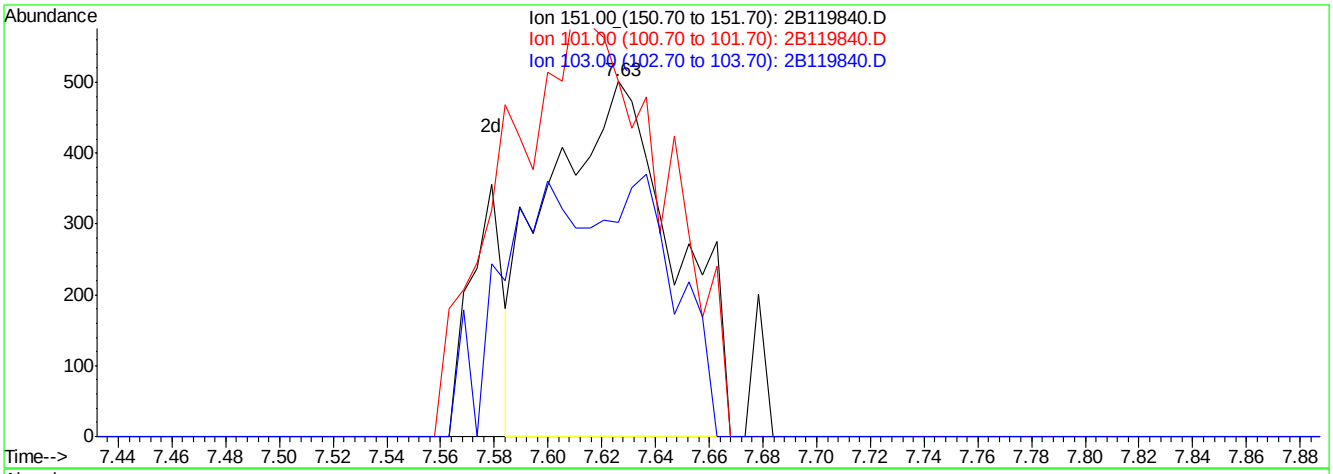
Sample Number: V2B5440-IC5440 **Method:** SW846 8260B
Lab FileID: 2B119840.D **Analyst approved:** 06/04/14 13:44 Ying Li
Injection Time: 06/03/14 18:20 **Supervisor approved:** 06/06/14 10:07 Jessica Reitan-Chu

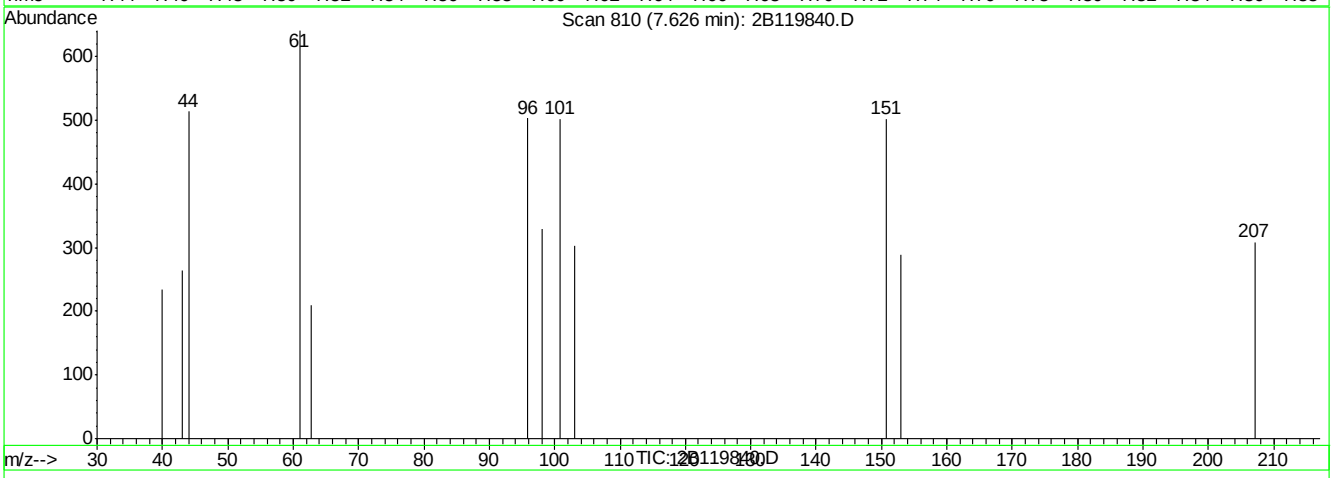
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		4.84	Split peak
Chloroethane	75-00-3		6.10	Split peak
Freon 113	76-13-1		7.63	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:44 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Multiple Level Calibration





(53) freon 113 (M)

7.63min 0.80ug/L

response 1651

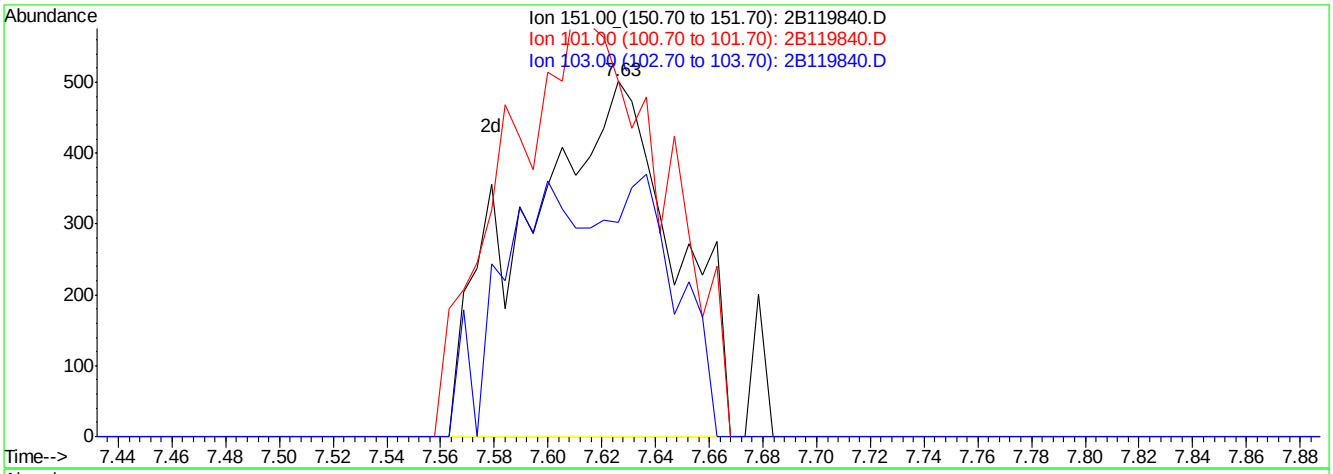
Ion	Exp%	Act%
151.00	100	100
101.00	110.00	100.00
103.00	72.30	60.36
0.00	0.00	0.00

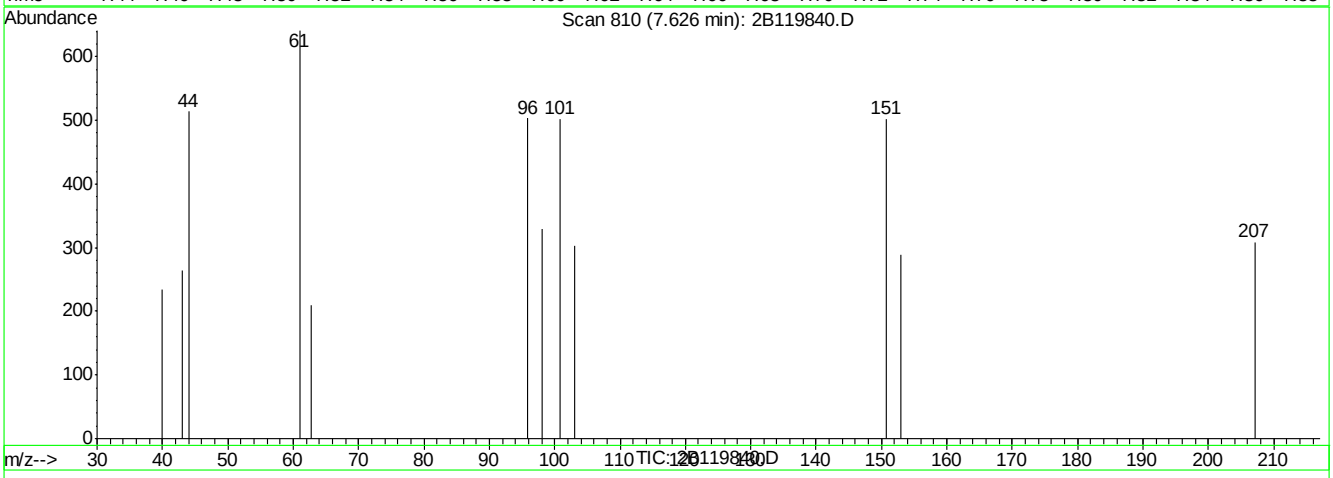
2B119840.D M2B5440.M Wed Jun 04 11:45:15 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 11:45 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:43:06 2014
Response via : Multiple Level Calibration





(53) freon 113 (M)

7.63min 0.95ug/L m

response 1958

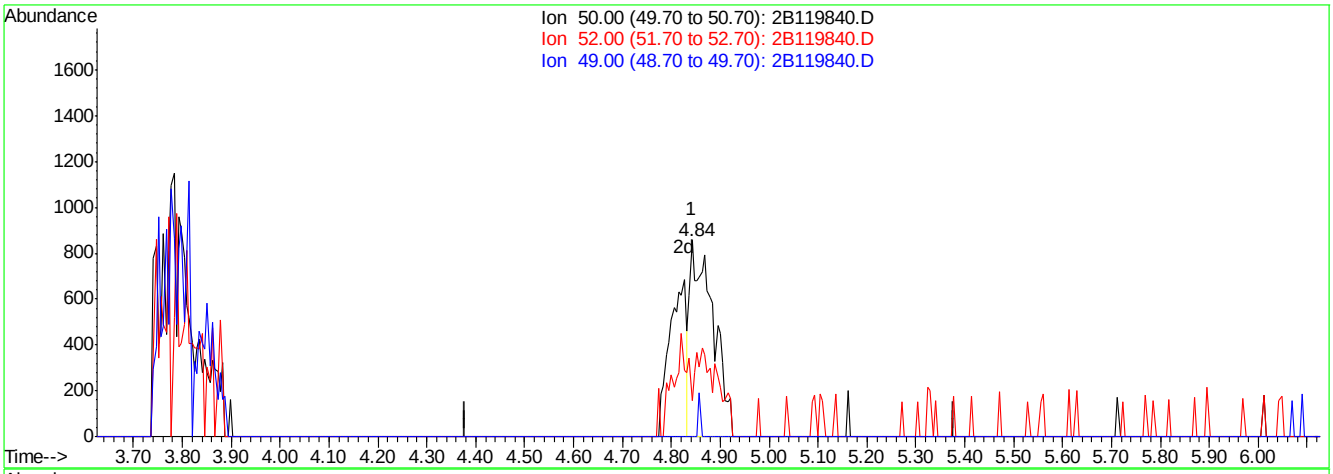
Ion	Exp%	Act%
151.00	100	100
101.00	110.00	100.00
103.00	72.30	60.36
0.00	0.00	0.00

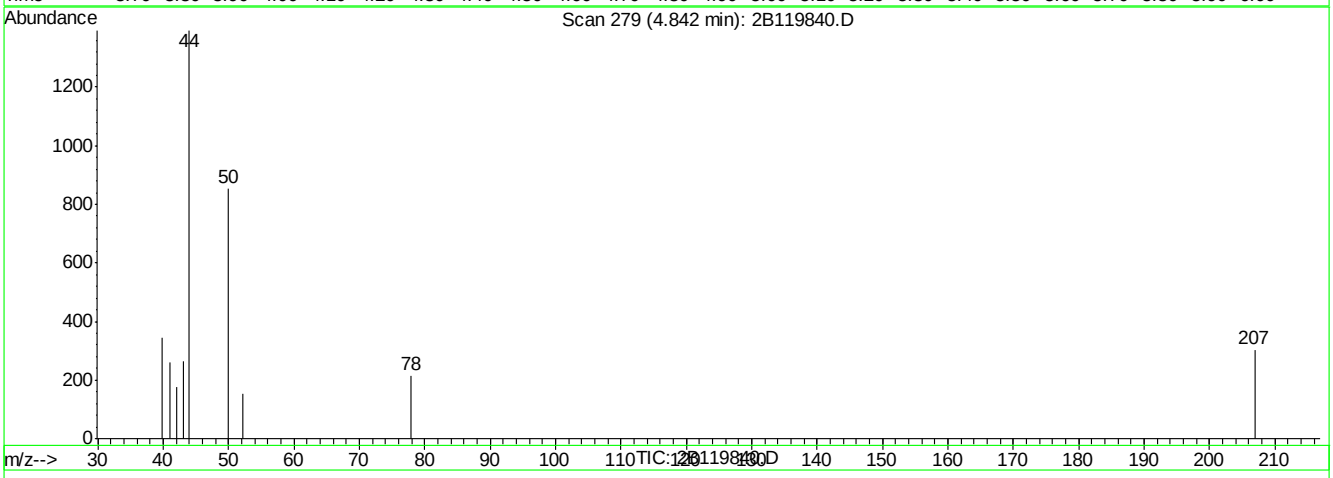
2B119840.D M2B5440.M Wed Jun 04 11:45:20 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:04 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.60ug/L

response 2808

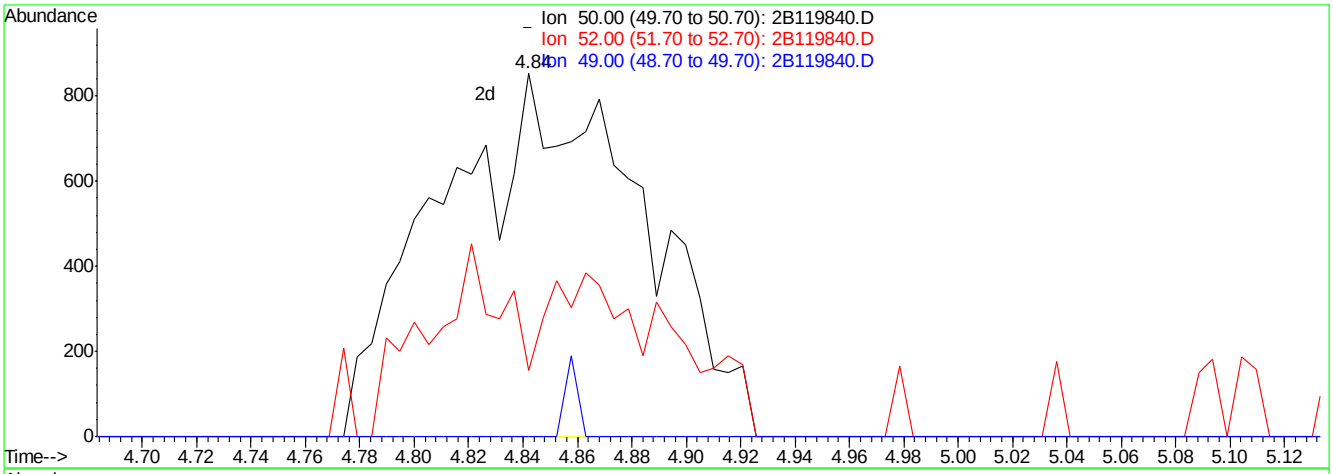
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	18.15
49.00	9.90	0.00
0.00	0.00	0.00

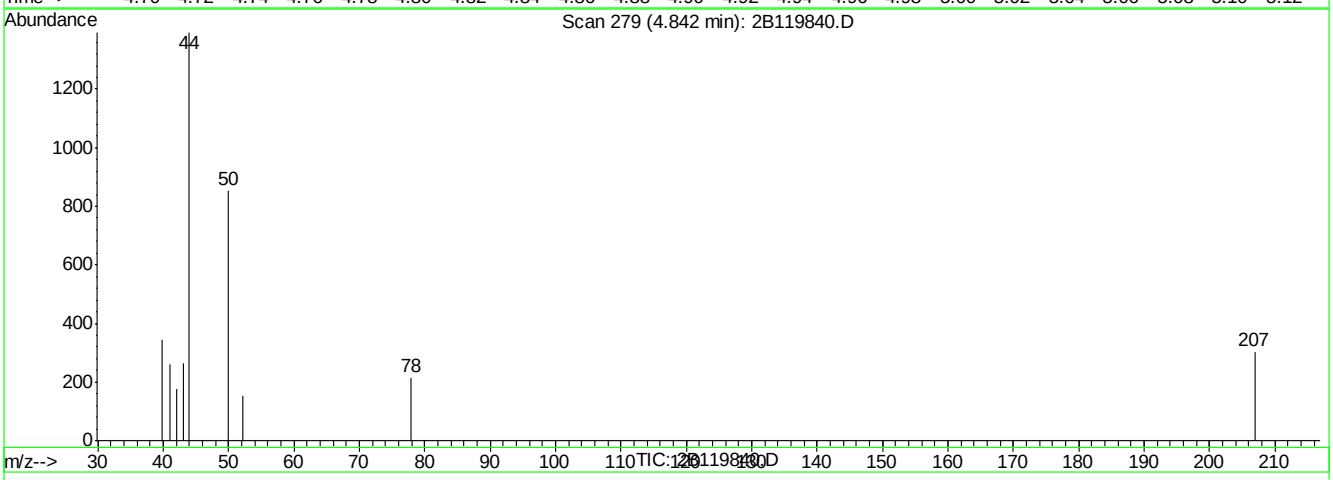
2B119840.D M2B5440.M Wed Jun 04 12:25:18 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:25 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(12) chloromethane (M)

4.84min 0.95ug/L m

response 4440

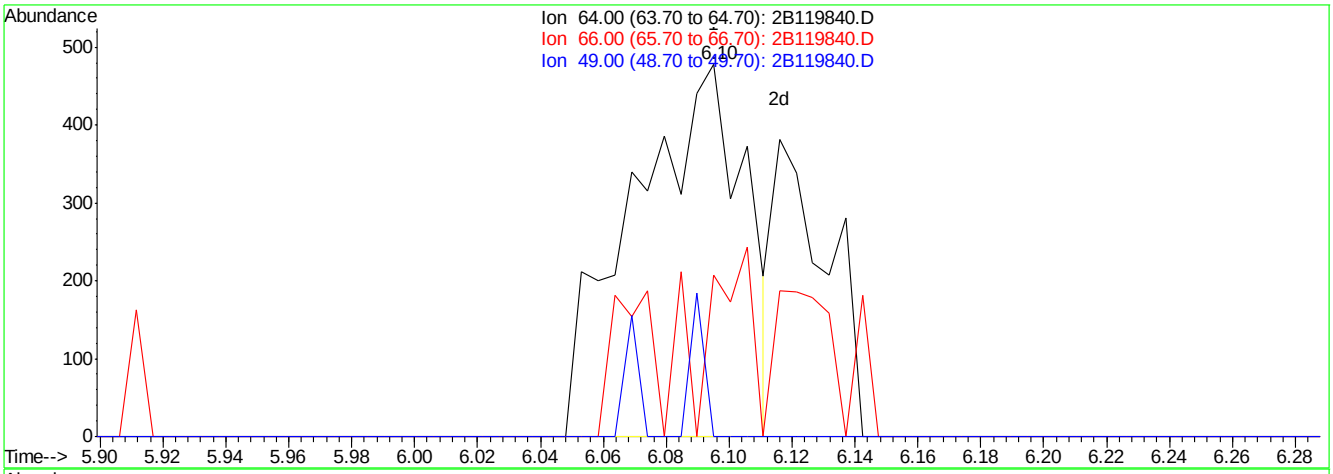
Ion	Exp%	Act%
50.00	100	100
52.00	31.00	18.15
49.00	9.90	0.00
0.00	0.00	0.00

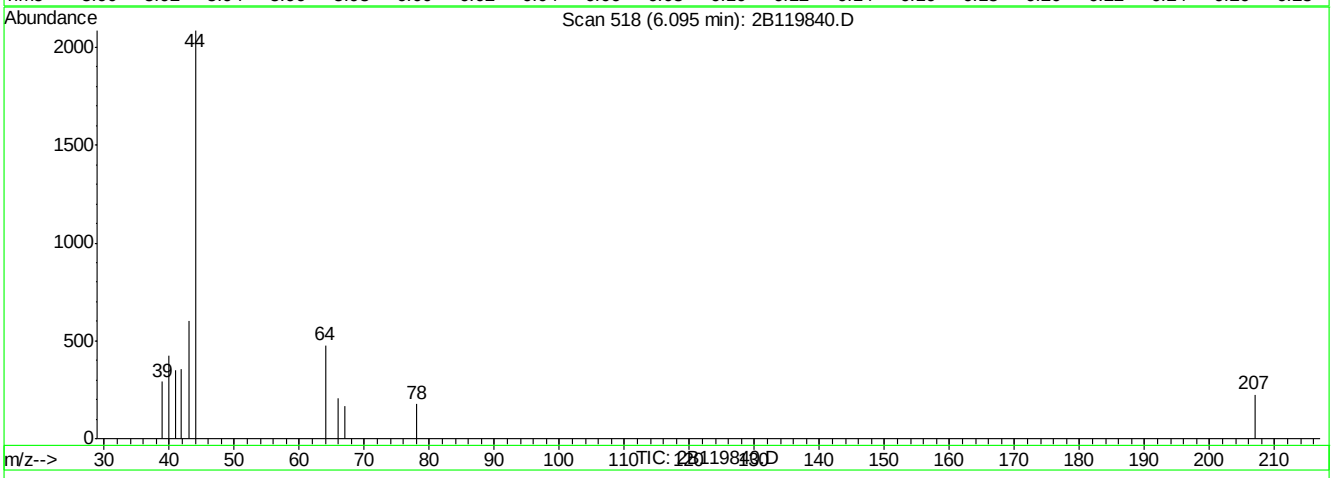
2B119840.D M2B5440.M Wed Jun 04 12:25:26 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:25 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(16) chloroethane (M)

6.10min 0.66ug/L

response 1187

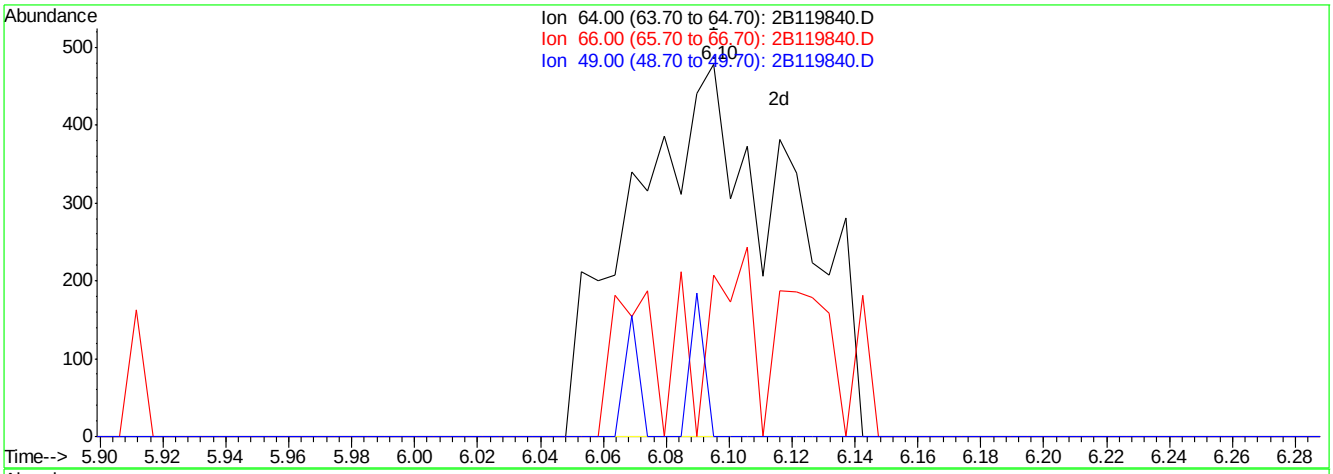
Ion	Exp%	Act%
64.00	100	100
66.00	32.40	43.51
49.00	25.50	0.00
0.00	0.00	0.00

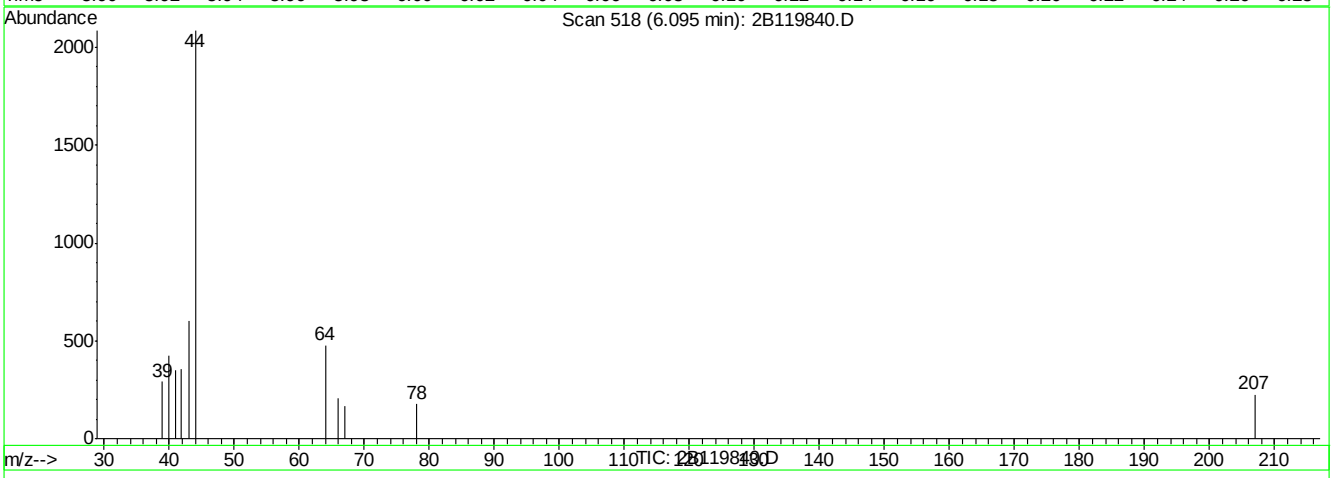
2B119840.D M2B5440.M Wed Jun 04 12:26:33 2014 MS2B

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\V2B5440INI\2B119840.D Vial: 4
Acq On : 3 Jun 2014 6:20 pm Operator: payalr
Sample : ic5440-1 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 4 12:26 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 12:22:14 2014
Response via : Multiple Level Calibration





(16) chloroethane (M)

6.10min 0.91ug/L m

response 1638

Ion	Exp%	Act%
64.00	100	100
66.00	32.40	43.51
49.00	25.50	0.00
0.00	0.00	0.00

2B119840.D M2B5440.M Wed Jun 04 12:26:40 2014 MS2B

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:55:09 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:55:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	141862	500.00	ug/L		0.00
5) pentafluorobenzene	10.82	168	293359	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	306955	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	247473	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	146766	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.84	113	4994	2.42	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 4.84%#				
52) 1,2-dichloroethane-d4 (s)	11.27	65	4357	2.36	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 4.72%#				
82) toluene-d8 (s)	13.32	98	12668	2.36	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 4.72%#				
108) 4-bromofluorobenzene (s)	15.79	95	6234	2.83	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 5.66%#				
Target Compounds							Qvalue
9) chlorodifluoromethane	4.49	51	5984	2.18	ug/L		77
10) dichlorodifluoromethane	4.47	85	7969	2.14	ug/L		87
12) chloromethane	4.87	50	10552	2.27	ug/L		96
13) vinyl chloride	5.17	62	10691	2.44	ug/L		98
15) bromomethane	5.90	94	7057	2.51	ug/L		93
16) chloroethane	6.08	64	4247	2.37	ug/L		94
18) trichlorofluoromethane	6.68	101	10063	2.32	ug/L		92
20) ethyl ether	7.13	74	2195	1.86	ug/L		88
21) acrolein	7.38	56	10630	21.11	ug/L		93
22) 2-chloropropane	7.34	43	9471	2.15	ug/L		93
24) 1,1-dichloroethene	7.59	96	4778	1.97	ug/L		96
26) allyl chloride	8.20	76	2427	2.16	ug/L	#	66
27) acetonitrile	8.12	40	4359	30.02	ug/L		91
28) iodomethane	7.89	142	10213	2.02	ug/L		95
29) iso-butyl alcohol	11.12	74	488	19.98	ug/L	#	36
30) carbon disulfide	8.05	76	19684	2.08	ug/L		99
31) methylene chloride	8.39	84	5810	2.16	ug/L		82
32) methyl acetate	8.19	74	656	1.83	ug/L	#	54
33) 1-chloropropane	8.46	42	9838	2.36	ug/L		86
34) methyl tert butyl ether	8.81	73	15000	1.97	ug/L		92
35) trans-1,2-dichloroethene	8.83	96	4898	2.12	ug/L	#	72
36) di-isopropyl ether	9.49	45	18454	2.44	ug/L		97
38) 1,1-dichloroethane	9.45	63	8085	2.01	ug/L		97
39) chloroprene	9.59	53	5950	2.25	ug/L		87
40) acrylonitrile	8.74	53	9260	9.66	ug/L		97
42) ethyl tert-butyl ether	10.00	59	18910	2.57	ug/L		93
44) 2,2-dichloropropane	10.28	77	7527	2.09	ug/L		96
45) cis-1,2-dichloroethene	10.25	96	5100	1.95	ug/L		84
46) propionitrile	10.30	54	6963	19.76	ug/L		84
47) bromochloromethane	10.57	128	2485	1.98	ug/L		73
48) tetrahydrofuran	10.64	42	1471	1.96	ug/L		90
49) chloroform	10.64	83	7761	2.08	ug/L		94
50) t-butyl formate	10.70	59	4401	2.53	ug/L		97

(#) = qualifier out of range (m) = manual integration

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:55:09 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:55:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
53)	freon 113	7.64	151	4669	2.28	ug/L		79
54)	methacrylonitrile	10.52	41	2417	1.89	ug/L		90
55)	1,1,1-trichloroethane	10.93	97	7051	2.01	ug/L		96
56)	Cyclohexane	11.03	84	7370	2.12	ug/L	#	81
61)	epichlorohydrin	12.92	57	2845	16.49	ug/L		85
63)	carbon tetrachloride	11.14	117	6378	2.06	ug/L		99
64)	1,1-dichloropropene	11.11	75	5007	2.04	ug/L		90
65)	hexane	9.23	57	4952	2.25	ug/L		92
66)	benzene	11.37	78	14643	1.95	ug/L		98
67)	2,2,4-trimethylpentane	11.43	57	14971	2.06	ug/L		95
68)	tert-amyl methyl ether	11.44	73	18512	2.65	ug/L		96
69)	heptane	11.60	57	2193	2.02	ug/L		92
70)	isopropyl acetate	11.32	43	10438	2.90	ug/L		97
71)	1,2-dichloroethane	11.36	62	4371	1.88	ug/L		95
72)	trichloroethene	12.07	95	3387	1.83	ug/L		98
75)	2-chloroethyl vinyl ether	12.82	63	13038	13.99	ug/L		98
76)	methyl methacrylate	12.34	100	525	1.25	ug/L	#	42
77)	1,2-dichloropropane	12.32	63	3405	1.73	ug/L		93
78)	dibromomethane	12.45	93	2175	1.83	ug/L		81
79)	methylcyclohexane	12.32	83	7559	2.15	ug/L		92
80)	bromodichloromethane	12.58	83	4365	1.76	ug/L		94
81)	cis-1,3-dichloropropene	13.03	75	4752	1.71	ug/L		95
83)	4-methyl-2-pentanone	13.13	58	1618	1.86	ug/L	#	69
84)	toluene	13.39	92	7281	1.75	ug/L		99
85)	3-methyl-1-butanol	13.13	55	7545	78.38	ug/L		97
86)	trans-1,3-dichloropropene	13.55	75	4421	1.81	ug/L		92
87)	ethyl methacrylate	13.57	69	3282	1.56	ug/L		93
88)	1,1,2-trichloroethane	13.74	83	2417	1.76	ug/L		97
89)	2-hexanone	13.93	58	1142	1.85	ug/L		91
92)	tetrachloroethene	13.94	164	2847	1.76	ug/L		90
93)	1,3-dichloropropane	13.92	76	4370	1.83	ug/L		97
95)	3,3-dimethyl-1-butanol	14.08	57	10553	40.29	ug/L		96
96)	dibromochloromethane	14.16	129	3456	1.69	ug/L		97
97)	1,2-dibromoethane	14.31	107	2879	1.70	ug/L		92
98)	chlorobenzene	14.75	112	8048	1.78	ug/L		90
99)	1,1,1,2-tetrachloroethane	14.80	131	3863	1.73	ug/L		95
100)	ethylbenzene	14.82	91	12872	1.64	ug/L		96
101)	m,p-xylene	14.92	106	9465	3.09	ug/L		91
102)	o-xylene	15.30	106	5316	1.65	ug/L		100
103)	styrene	15.31	104	7712	1.64	ug/L		93
105)	bromoform	15.53	173	2734	1.88	ug/L		87
107)	isopropylbenzene	15.62	105	13710	1.53	ug/L		94
109)	cyclohexanone	15.75	98	2170	15.67	ug/L	#	77
110)	bromobenzene	15.98	156	4128	1.69	ug/L		90
111)	1,1,2,2-tetrachloroethane	15.87	83	5439	1.87	ug/L		96
112)	trans-1,4-dichloro-2-buten	15.91	53	951	1.90	ug/L		87
113)	1,2,3-trichloropropane	15.94	110	1102	1.93	ug/L		89
114)	n-propylbenzene	16.00	91	15364	1.67	ug/L		100
115)	2-chlorotoluene	16.13	126	3675	1.68	ug/L		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:55:09 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:55:06 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

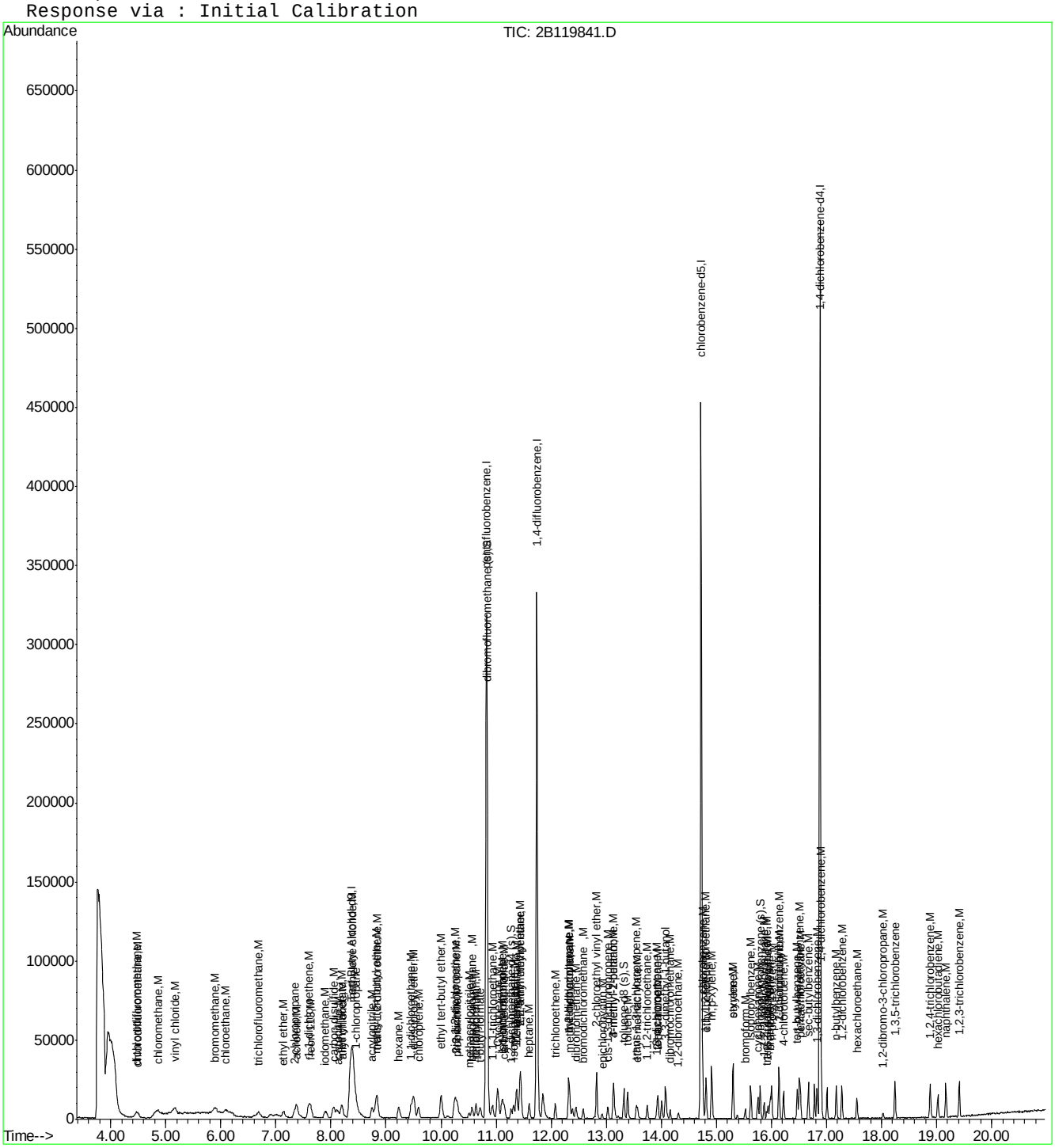
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
116) 4-chlorotoluene	16.22	91	10092	1.80	ug/L		94
117) 1,3,5-trimethylbenzene	16.14	105	11165	1.52	ug/L		89
118) tert-butylbenzene	16.47	119	9401	1.44	ug/L		98
119) pentachloroethane	16.52	167	3235	1.74	ug/L		93
120) 1,2,4-trimethylbenzene	16.50	105	11307	1.59	ug/L		94
121) sec-butylbenzene	16.67	105	15515	1.57	ug/L		99
122) 1,3-dichlorobenzene	16.83	146	8472	1.83	ug/L		96
124) 1,4-dichlorobenzene	16.91	146	8517	1.85	ug/L		94
125) 1,2-dichlorobenzene	17.28	146	9123	1.80	ug/L		92
126) n-butylbenzene	17.17	92	6141	1.54	ug/L		95
127) 1,2-dibromo-3-chloropropan	18.03	75	1065	2.21	ug/L	#	78
128) 1,3,5-trichlorobenzene	18.24	180	8432	1.72	ug/L		94
129) 1,2,4-trichlorobenzene	18.88	180	8066	1.65	ug/L		99
130) hexachlorobutadiene	19.02	225	3656	1.65	ug/L		96
131) naphthalene	19.17	128	17215	1.80	ug/L		95
132) 1,2,3-trichlorobenzene	19.41	180	8360	1.84	ug/L		99
133) hexachloroethane	17.56	201	2407	1.35	ug/L		92

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119841.D Vial: 5
Acq On : 3 Jun 2014 6:51 pm Operator: payalr
Sample : ic5440-2 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:37 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:58:58 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:58:54 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	136189	500.00	ug/L		-0.01
5) pentafluorobenzene	10.82	168	277299	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	294905	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	239396	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	141888	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.83	113	10090	5.18	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 10.36%#				
52) 1,2-dichloroethane-d4 (s)	11.27	65	9743	5.57	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 11.14%#				
82) toluene-d8 (s)	13.32	98	28607	5.55	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 11.10%#				
108) 4-bromofluorobenzene (s)	15.79	95	10959	5.14	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 10.28%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.49	59	9714	29.36	ug/L		90
4) 1,4-dioxane	12.43	88	4211	138.80	ug/L		87
9) chlorodifluoromethane	4.48	51	16178	6.22	ug/L		96
10) dichlorodifluoromethane	4.47	85	21887	6.21	ug/L		99
12) chloromethane	4.84	50	26035	5.93	ug/L		99
13) vinyl chloride	5.17	62	26763	6.47	ug/L		99
15) bromomethane	5.90	94	16908	6.37	ug/L		95
16) chloroethane	6.09	64	10394	6.13	ug/L		93
18) trichlorofluoromethane	6.68	101	25784	6.28	ug/L		92
20) ethyl ether	7.13	74	6099	5.46	ug/L		87
21) acrolein	7.37	56	26440	55.54	ug/L		99
22) 2-chloropropane	7.33	43	24798	5.94	ug/L		98
24) 1,1-dichloroethene	7.59	96	14104	6.15	ug/L		84
25) acetone	7.64	43	4924	6.66	ug/L		90
26) allyl chloride	8.19	76	5895	5.56	ug/L		96
27) acetonitrile	8.12	40	9906	72.17	ug/L	#	78
28) iodomethane	7.89	142	28202	5.89	ug/L		98
29) iso-butyl alcohol	11.12	74	1263	54.72	ug/L	#	27
30) carbon disulfide	8.04	76	53237	5.95	ug/L		95
31) methylene chloride	8.38	84	15526	6.10	ug/L		87
32) methyl acetate	8.20	74	1814	5.35	ug/L	#	76
33) 1-chloropropane	8.45	42	23674	6.01	ug/L		96
34) methyl tert butyl ether	8.82	73	40337	5.61	ug/L		98
35) trans-1,2-dichloroethene	8.83	96	12582	5.77	ug/L		95
36) di-isopropyl ether	9.50	45	42833	5.98	ug/L		97
37) 2-butanone	10.23	72	1160	4.77	ug/L	#	86
38) 1,1-dichloroethane	9.45	63	21724	5.72	ug/L		92
39) chloroprene	9.59	53	14367	5.76	ug/L		93
40) acrylonitrile	8.74	53	25096	27.69	ug/L		98
41) vinyl acetate	9.46	86	1416	4.62	ug/L		89
42) ethyl tert-butyl ether	10.00	59	40829	5.88	ug/L		98
43) ethyl acetate	10.26	45	1333	5.34	ug/L	#	62
44) 2,2-dichloropropane	10.27	77	19939	5.85	ug/L		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:58:58 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:58:54 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	13383	5.43	ug/L		99
46)	propionitrile	10.29	54	20155	60.51	ug/L		91
47)	bromochloromethane	10.56	128	6765	5.70	ug/L		95
48)	tetrahydrofuran	10.63	42	3549	5.00	ug/L		87
49)	chloroform	10.63	83	20495	5.81	ug/L		97
50)	t-butyl formate	10.70	59	9574	5.83	ug/L		94
53)	freon 113	7.61	151	12019	6.21	ug/L		96
54)	methacrylonitrile	10.50	41	6536	5.40	ug/L		97
55)	1,1,1-trichloroethane	10.93	97	19288	5.82	ug/L		97
56)	Cyclohexane	11.03	84	19273	5.88	ug/L	#	76
61)	epichlorohydrin	12.92	57	4723	28.49	ug/L		93
62)	n-butyl alcohol	11.85	56	18340	288.33	ug/L		97
63)	carbon tetrachloride	11.14	117	17160	5.77	ug/L		99
64)	1,1-dichloropropene	11.11	75	12689	5.37	ug/L		95
65)	hexane	9.23	57	12207	5.77	ug/L		92
66)	benzene	11.37	78	39541	5.47	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	40323	5.77	ug/L		97
68)	tert-amyl methyl ether	11.44	73	36880	5.49	ug/L		93
69)	heptane	11.60	57	5944	5.69	ug/L		87
70)	isopropyl acetate	11.32	43	18738	5.41	ug/L		98
71)	1,2-dichloroethane	11.36	62	11871	5.30	ug/L		82
72)	trichloroethene	12.07	95	8940	5.03	ug/L		96
74)	2-nitropropane	13.13	46	566	5.04	ug/L		98
75)	2-chloroethyl vinyl ether	12.82	63	24566	27.45	ug/L		96
76)	methyl methacrylate	12.34	100	2105	5.22	ug/L	#	63
77)	1,2-dichloropropane	12.32	63	9642	5.09	ug/L		91
78)	dibromomethane	12.45	93	6011	5.26	ug/L		89
79)	methylcyclohexane	12.32	83	18761	5.55	ug/L		96
80)	bromodichloromethane	12.58	83	12606	5.30	ug/L		98
81)	cis-1,3-dichloropropene	13.03	75	13854	5.19	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	4822	5.76	ug/L	#	76
84)	toluene	13.39	92	20267	5.08	ug/L		88
85)	3-methyl-1-butanol	13.13	55	10953	118.43	ug/L		96
86)	trans-1,3-dichloropropene	13.55	75	12281	5.24	ug/L		94
87)	ethyl methacrylate	13.57	69	10729	5.32	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	6964	5.29	ug/L		90
89)	2-hexanone	13.93	58	3286	5.55	ug/L		99
92)	tetrachloroethene	13.94	164	8097	5.19	ug/L		96
93)	1,3-dichloropropane	13.92	76	12446	5.39	ug/L		90
94)	butyl acetate	14.01	56	5944	5.59	ug/L	#	75
95)	3,3-dimethyl-1-butanol	14.08	57	14754	58.23	ug/L		95
96)	dibromochloromethane	14.16	129	10069	5.10	ug/L		93
97)	1,2-dibromoethane	14.31	107	8375	5.10	ug/L		94
98)	chlorobenzene	14.75	112	23016	5.25	ug/L		98
99)	1,1,1,2-tetrachloroethane	14.80	131	11151	5.15	ug/L		97
100)	ethylbenzene	14.81	91	36958	4.87	ug/L		98
101)	m,p-xylene	14.91	106	28846	9.74	ug/L		97
102)	o-xylene	15.30	106	15732	5.06	ug/L		94
103)	styrene	15.31	104	23092	5.06	ug/L		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:58:58 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:58:54 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

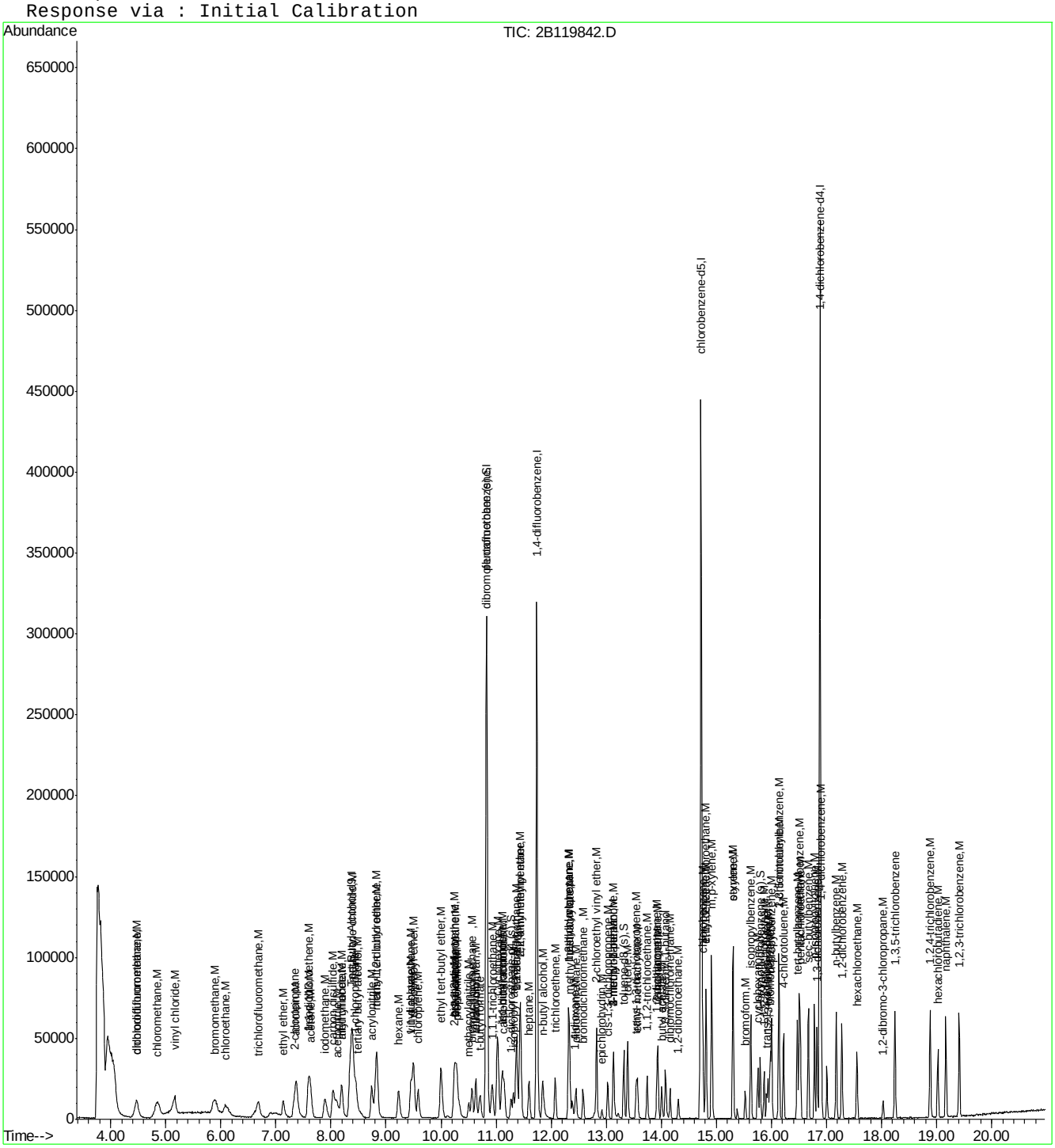
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105)	bromoform	15.53	173	8017	5.70	ug/L	99
107)	isopropylbenzene	15.63	105	40505	4.69	ug/L	98
109)	cyclohexanone	15.75	98	5584	41.70	ug/L	95
110)	bromobenzene	15.98	156	11974	5.08	ug/L	89
111)	1,1,2,2-tetrachloroethane	15.86	83	14764	5.26	ug/L	95
112)	trans-1,4-dichloro-2-buten	15.91	53	2734	5.64	ug/L	91
113)	1,2,3-trichloropropane	15.94	110	3278	5.94	ug/L	95
114)	n-propylbenzene	16.00	91	43715	4.93	ug/L	99
115)	2-chlorotoluene	16.13	126	10704	5.06	ug/L	98
116)	4-chlorotoluene	16.22	91	28012	5.18	ug/L	98
117)	1,3,5-trimethylbenzene	16.14	105	33799	4.77	ug/L	98
118)	tert-butylbenzene	16.47	119	28094	4.44	ug/L	97
119)	pentachloroethane	16.52	167	9358	5.22	ug/L	91
120)	1,2,4-trimethylbenzene	16.51	105	33361	4.86	ug/L	99
121)	sec-butylbenzene	16.67	105	45456	4.75	ug/L	99
122)	1,3-dichlorobenzene	16.83	146	23501	5.26	ug/L	95
123)	p-isopropyltoluene	16.78	119	37696	4.71	ug/L	96
124)	1,4-dichlorobenzene	16.91	146	23330	5.24	ug/L	99
125)	1,2-dichlorobenzene	17.28	146	24621	5.01	ug/L	97
126)	n-butylbenzene	17.17	92	18664	4.83	ug/L	95
127)	1,2-dibromo-3-chloropropan	18.02	75	2625	5.63	ug/L	93
128)	1,3,5-trichlorobenzene	18.24	180	23614	4.99	ug/L	96
129)	1,2,4-trichlorobenzene	18.88	180	22852	4.84	ug/L	100
130)	hexachlorobutadiene	19.02	225	10618	4.94	ug/L	89
131)	naphthalene	19.17	128	48778	5.26	ug/L	98
132)	1,2,3-trichlorobenzene	19.41	180	23335	5.32	ug/L	99
133)	hexachloroethane	17.56	201	7453	4.33	ug/L	93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119842.D Vial: 6
Acq On : 3 Jun 2014 7:22 pm Operator: payalr
Sample : ic5440-5 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:37 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:15 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	141534	500.00	ug/L	-0.01
5) pentafluorobenzene	10.82	168	283603	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	299435	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	245170	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	139819	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	21359	10.72	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 21.44%#			
52) 1,2-dichloroethane-d4 (s)	11.27	65	20424	11.42	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 22.84%#			
82) toluene-d8 (s)	13.32	98	61939	11.84	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 23.68%#			
108) 4-bromofluorobenzene (s)	15.79	95	21081	10.04	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 20.08%#			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.49	59	18404	53.53	ug/L #	49
4) 1,4-dioxane	12.44	88	8310	263.57	ug/L	93
9) chlorodifluoromethane	4.49	51	32078	12.06	ug/L	98
10) dichlorodifluoromethane	4.47	85	41561	11.53	ug/L	97
12) chloromethane	4.87	50	49494	11.02	ug/L	99
13) vinyl chloride	5.17	62	49942	11.81	ug/L	99
15) bromomethane	5.89	94	31648	11.65	ug/L	98
16) chloroethane	6.08	64	20334	11.72	ug/L	94
18) trichlorofluoromethane	6.68	101	49484	11.79	ug/L	97
20) ethyl ether	7.14	74	13128	11.48	ug/L	88
21) acrolein	7.37	56	58793	120.76	ug/L	99
22) 2-chloropropane	7.34	43	48677	11.41	ug/L	99
24) 1,1-dichloroethene	7.61	96	26844	11.44	ug/L	90
25) acetone	7.65	43	8599	11.38	ug/L	96
26) allyl chloride	8.19	76	12736	11.74	ug/L	95
27) acetonitrile	8.11	40	18682	133.08	ug/L	92
28) iodomethane	7.89	142	55752	11.39	ug/L	96
29) iso-butyl alcohol	11.12	74	2733	115.77	ug/L #	43
30) carbon disulfide	8.05	76	105937	11.57	ug/L	98
31) methylene chloride	8.39	84	30852	11.85	ug/L	97
32) methyl acetate	8.19	74	3991	11.51	ug/L	94
33) 1-chloropropane	8.45	42	43276	10.74	ug/L	97
34) methyl tert butyl ether	8.83	73	82834	11.26	ug/L	98
35) trans-1,2-dichloroethene	8.84	96	25394	11.39	ug/L	86
36) di-isopropyl ether	9.50	45	87288	11.91	ug/L	94
37) 2-butanone	10.22	72	2593	10.43	ug/L	95
38) 1,1-dichloroethane	9.45	63	43613	11.22	ug/L	99
39) chloroprene	9.59	53	30007	11.76	ug/L	97
40) acrylonitrile	8.74	53	49712	53.63	ug/L	98
41) vinyl acetate	9.46	86	3246	10.36	ug/L	97
42) ethyl tert-butyl ether	10.00	59	84852	11.94	ug/L	98
43) ethyl acetate	10.25	45	2658	10.42	ug/L	74
44) 2,2-dichloropropane	10.28	77	40457	11.60	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:15 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	27698	10.98	ug/L		94
46)	propionitrile	10.29	54	38926	114.27	ug/L		98
47)	bromochloromethane	10.56	128	14071	11.59	ug/L		97
48)	tetrahydrofuran	10.63	42	7643	10.53	ug/L		93
49)	chloroform	10.63	83	39813	11.03	ug/L		95
50)	t-butyl formate	10.71	59	19606	11.67	ug/L		93
53)	freon 113	7.63	151	24259	12.26	ug/L		98
54)	methacrylonitrile	10.50	41	12997	10.49	ug/L		92
55)	1,1,1-trichloroethane	10.93	97	37925	11.19	ug/L		95
56)	Cyclohexane	11.03	84	39172	11.68	ug/L		83
61)	epichlorohydrin	12.92	57	9491	56.39	ug/L		91
62)	n-butyl alcohol	11.84	56	36708	568.37	ug/L		99
63)	carbon tetrachloride	11.15	117	33933	11.24	ug/L		98
64)	1,1-dichloropropene	11.11	75	26819	11.18	ug/L		99
65)	hexane	9.23	57	25059	11.66	ug/L		96
66)	benzene	11.37	78	80600	10.98	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	80382	11.33	ug/L		97
68)	tert-amyl methyl ether	11.44	73	75531	11.07	ug/L		95
69)	heptane	11.60	57	12334	11.63	ug/L		94
70)	isopropyl acetate	11.31	43	38000	10.81	ug/L		96
71)	1,2-dichloroethane	11.36	62	24131	10.62	ug/L		91
72)	trichloroethene	12.07	95	18735	10.37	ug/L		94
74)	2-nitropropane	13.13	46	1032	9.05	ug/L	#	84
75)	2-chloroethyl vinyl ether	12.82	63	50571	55.64	ug/L		99
76)	methyl methacrylate	12.34	100	4249	10.38	ug/L	#	70
77)	1,2-dichloropropane	12.31	63	19436	10.11	ug/L		97
78)	dibromomethane	12.45	93	11951	10.30	ug/L		95
79)	methylcyclohexane	12.32	83	38709	11.27	ug/L		95
80)	bromodichloromethane	12.58	83	24720	10.23	ug/L		98
81)	cis-1,3-dichloropropene	13.03	75	27259	10.07	ug/L		97
83)	4-methyl-2-pentanone	13.13	58	9069	10.67	ug/L		97
84)	toluene	13.39	92	40315	9.95	ug/L		99
85)	3-methyl-1-butanol	13.13	55	22039	234.70	ug/L		99
86)	trans-1,3-dichloropropene	13.55	75	24338	10.24	ug/L		98
87)	ethyl methacrylate	13.57	69	20813	10.17	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	13041	9.75	ug/L		97
89)	2-hexanone	13.93	58	6076	10.11	ug/L		93
92)	tetrachloroethene	13.94	164	15907	9.95	ug/L		95
93)	1,3-dichloropropane	13.92	76	24174	10.21	ug/L		98
94)	butyl acetate	14.01	56	11186	10.28	ug/L		99
95)	3,3-dimethyl-1-butanol	14.07	57	28902	111.38	ug/L		97
96)	dibromochloromethane	14.16	129	18885	9.34	ug/L		96
97)	1,2-dibromoethane	14.31	107	15999	9.51	ug/L		95
98)	chlorobenzene	14.75	112	44605	9.94	ug/L		98
99)	1,1,1,2-tetrachloroethane	14.80	131	21679	9.78	ug/L		98
100)	ethylbenzene	14.81	91	73658	9.48	ug/L		100
101)	m,p-xylene	14.91	106	57091	18.83	ug/L		96
102)	o-xylene	15.30	106	31715	9.96	ug/L		98
103)	styrene	15.30	104	45363	9.71	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:15 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

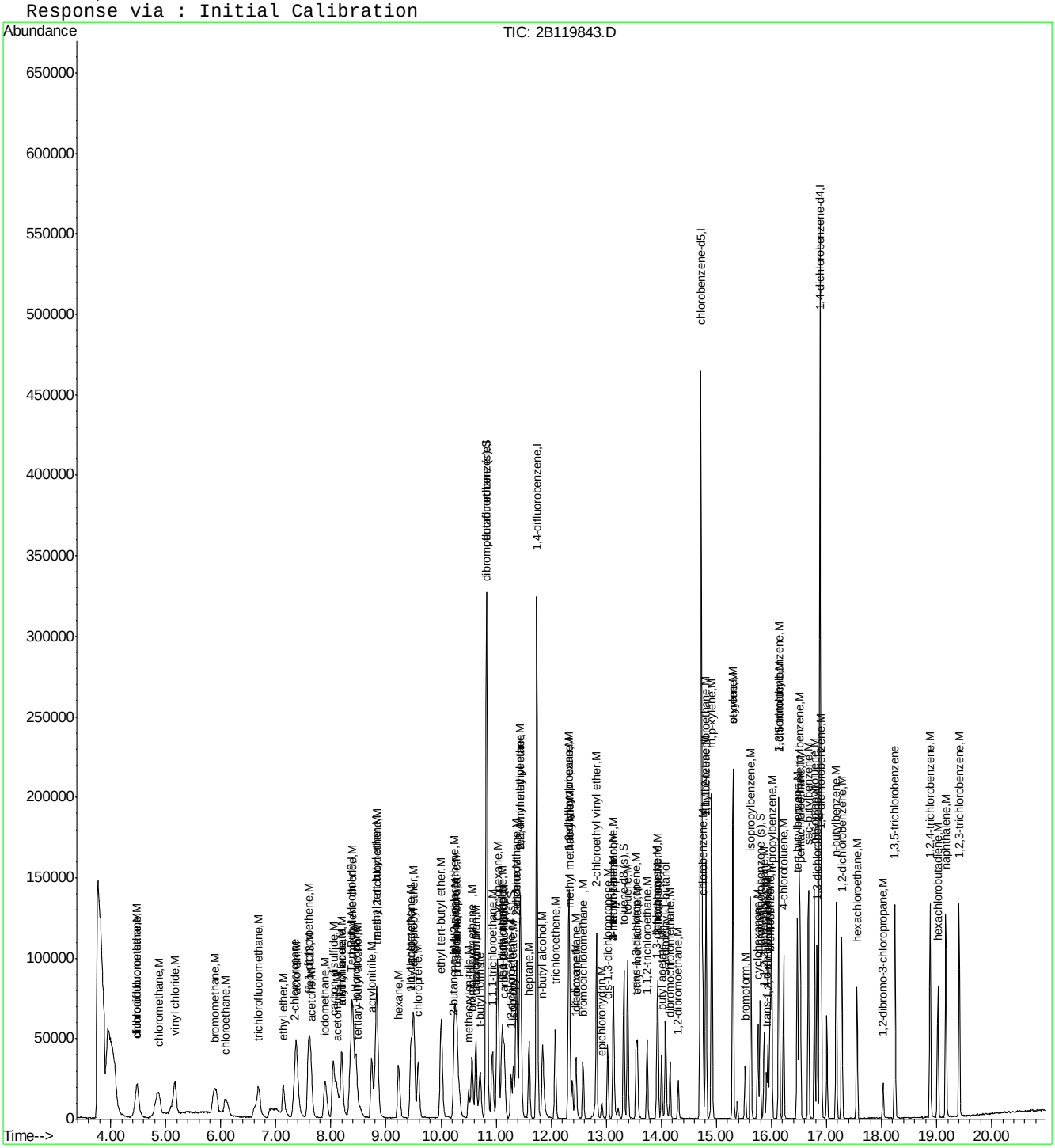
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) bromoform	15.53	173	14936	10.37	ug/L	99
107) isopropylbenzene	15.62	105	83922	9.86	ug/L	98
109) cyclohexanone	15.75	98	10660	80.79	ug/L	98
110) bromobenzene	15.97	156	22577	9.72	ug/L	92
111) 1,1,2,2-tetrachloroethane	15.87	83	26423	9.55	ug/L	99
112) trans-1,4-dichloro-2-buten	15.91	53	5055	10.58	ug/L	90
113) 1,2,3-trichloropropane	15.94	110	6179	11.37	ug/L	92
114) n-propylbenzene	16.00	91	88352	10.11	ug/L	100
115) 2-chlorotoluene	16.13	126	20285	9.73	ug/L	94
116) 4-chlorotoluene	16.22	91	53148	9.97	ug/L	96
117) 1,3,5-trimethylbenzene	16.14	105	68318	9.78	ug/L	98
118) tert-butylbenzene	16.47	119	58645	9.41	ug/L	98
119) pentachloroethane	16.52	167	17770	10.06	ug/L	95
120) 1,2,4-trimethylbenzene	16.51	105	69635	10.29	ug/L	100
121) sec-butylbenzene	16.67	105	92063	9.77	ug/L	99
122) 1,3-dichlorobenzene	16.83	146	43523	9.88	ug/L	99
123) p-isopropyltoluene	16.78	119	77031	9.76	ug/L	97
124) 1,4-dichlorobenzene	16.91	146	42908	9.79	ug/L	98
125) 1,2-dichlorobenzene	17.28	146	47022	9.71	ug/L	99
126) n-butylbenzene	17.17	92	37285	9.79	ug/L	91
127) 1,2-dibromo-3-chloropropan	18.03	75	5319	11.58	ug/L	96
128) 1,3,5-trichlorobenzene	18.24	180	45235	9.70	ug/L	94
129) 1,2,4-trichlorobenzene	18.88	180	45113	9.70	ug/L	100
130) hexachlorobutadiene	19.02	225	20511	9.69	ug/L	97
131) naphthalene	19.17	128	96798	10.60	ug/L	99
132) 1,2,3-trichlorobenzene	19.41	180	45080	10.43	ug/L	98
133) hexachloroethane	17.56	201	15666	9.24	ug/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119843.D Vial: 7
Acq On : 3 Jun 2014 7:53 pm Operator: payalr
Sample : ic5440-10 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:38 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:20 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	142226	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	295024	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	320131	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	260124	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	145375	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	109998	53.08	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 106.16%			
52) 1,2-dichloroethane-d4 (s)	11.27	65	106638	57.33	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 114.66%			
82) toluene-d8 (s)	13.32	98	314474	56.21	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 112.42%			
108) 4-bromofluorobenzene (s)	15.79	95	107508	49.23	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 98.46%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.50	59	34221	99.05	ug/L	79
4) 1,4-dioxane	12.43	88	15713	495.94	ug/L	96
9) chlorodifluoromethane	4.49	51	62535	22.61	ug/L	99
10) dichlorodifluoromethane	4.48	85	80059	21.35	ug/L	98
12) chloromethane	4.87	50	100683	21.55	ug/L	98
13) vinyl chloride	5.17	62	97169	22.08	ug/L	98
15) bromomethane	5.91	94	62792	22.23	ug/L	97
16) chloroethane	6.08	64	40471	22.42	ug/L	94
18) trichlorofluoromethane	6.69	101	95306	21.83	ug/L	98
20) ethyl ether	7.14	74	28521	23.98	ug/L	92
21) acrolein	7.38	56	122414	241.71	ug/L	99
22) 2-chloropropane	7.35	43	100303	22.60	ug/L	95
24) 1,1-dichloroethene	7.61	96	55615	22.79	ug/L	96
25) acetone	7.64	43	17323	22.03	ug/L	93
26) allyl chloride	8.20	76	26559	23.54	ug/L	96
27) acetonitrile	8.12	40	37115	254.15	ug/L	91
28) iodomethane	7.89	142	115443	22.67	ug/L	98
29) iso-butyl alcohol	11.10	74	5774	235.12	ug/L	92
30) carbon disulfide	8.05	76	216076	22.68	ug/L	99
31) methylene chloride	8.39	84	62735	23.16	ug/L	96
32) methyl acetate	8.19	74	8597	23.84	ug/L	97
33) 1-chloropropane	8.46	42	84785	20.22	ug/L	97
34) methyl tert butyl ether	8.82	73	170477	22.29	ug/L	98
35) trans-1,2-dichloroethene	8.84	96	51503	22.21	ug/L	93
36) di-isopropyl ether	9.50	45	181846	23.86	ug/L	99
37) 2-butanone	10.22	72	5524	21.35	ug/L #	80
38) 1,1-dichloroethane	9.45	63	91847	22.71	ug/L	98
39) chloroprene	9.59	53	62614	23.60	ug/L	97
40) acrylonitrile	8.74	53	106641	110.59	ug/L	98
41) vinyl acetate	9.46	86	7206	22.12	ug/L	88
42) ethyl tert-butyl ether	10.01	59	177504	24.01	ug/L	99
43) ethyl acetate	10.26	45	6304	23.75	ug/L	84
44) 2,2-dichloropropane	10.28	77	79657	21.96	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:20 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	57776	22.02	ug/L		96
46)	propionitrile	10.29	54	79715	224.95	ug/L		97
47)	bromochloromethane	10.57	128	29038	22.99	ug/L		93
48)	tetrahydrofuran	10.64	42	15835	20.98	ug/L		94
49)	chloroform	10.63	83	82939	22.10	ug/L		99
50)	t-butyl formate	10.71	59	41611	23.82	ug/L		96
53)	freon 113	7.63	151	47851	23.24	ug/L		96
54)	methacrylonitrile	10.50	41	28128	21.83	ug/L		98
55)	1,1,1-trichloroethane	10.93	97	77181	21.88	ug/L		98
56)	Cyclohexane	11.03	84	78843	22.60	ug/L		91
61)	epichlorohydrin	12.92	57	19049	105.87	ug/L		96
62)	n-butyl alcohol	11.84	56	71306	1032.69	ug/L		96
63)	carbon tetrachloride	11.14	117	68871	21.34	ug/L		98
64)	1,1-dichloropropene	11.11	75	53550	20.89	ug/L		99
65)	hexane	9.23	57	51161	22.26	ug/L		98
66)	benzene	11.37	78	168716	21.49	ug/L		100
67)	2,2,4-trimethylpentane	11.44	57	173379	22.85	ug/L		99
68)	tert-amyl methyl ether	11.44	73	159442	21.86	ug/L		99
69)	heptane	11.60	57	26229	23.14	ug/L		98
70)	isopropyl acetate	11.32	43	78755	20.95	ug/L		98
71)	1,2-dichloroethane	11.36	62	51224	21.08	ug/L		93
72)	trichloroethene	12.07	95	39672	20.55	ug/L		96
74)	2-nitropropane	13.13	46	2347	19.24	ug/L	#	57
75)	2-chloroethyl vinyl ether	12.82	63	109221	112.41	ug/L		100
76)	methyl methacrylate	12.34	100	9224	21.08	ug/L	#	75
77)	1,2-dichloropropane	12.32	63	41830	20.36	ug/L		98
78)	dibromomethane	12.45	93	25761	20.77	ug/L		94
79)	methylcyclohexane	12.32	83	80574	21.95	ug/L		97
80)	bromodichloromethane	12.58	83	52068	20.15	ug/L		97
81)	cis-1,3-dichloropropene	13.03	75	58719	20.28	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	18738	20.63	ug/L		92
84)	toluene	13.39	92	85358	19.71	ug/L		100
85)	3-methyl-1-butanol	13.13	55	42842	426.74	ug/L		99
86)	trans-1,3-dichloropropene	13.55	75	50618	19.91	ug/L		99
87)	ethyl methacrylate	13.57	69	45336	20.73	ug/L		95
88)	1,1,2-trichloroethane	13.74	83	27944	19.54	ug/L		99
89)	2-hexanone	13.93	58	13773	21.43	ug/L		98
92)	tetrachloroethene	13.94	164	33455	19.72	ug/L		97
93)	1,3-dichloropropane	13.92	76	51573	20.54	ug/L		98
94)	butyl acetate	14.00	56	23435	20.29	ug/L		94
95)	3,3-dimethyl-1-butanol	14.08	57	55357	201.07	ug/L		97
96)	dibromochloromethane	14.16	129	40350	18.82	ug/L		98
97)	1,2-dibromoethane	14.31	107	33891	18.99	ug/L		98
98)	chlorobenzene	14.75	112	92621	19.45	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	45241	19.24	ug/L		97
100)	ethylbenzene	14.81	91	154142	18.69	ug/L		99
101)	m,p-xylene	14.91	106	120013	37.30	ug/L		98
102)	o-xylene	15.30	106	68666	20.32	ug/L		99
103)	styrene	15.30	104	99529	20.08	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:20 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

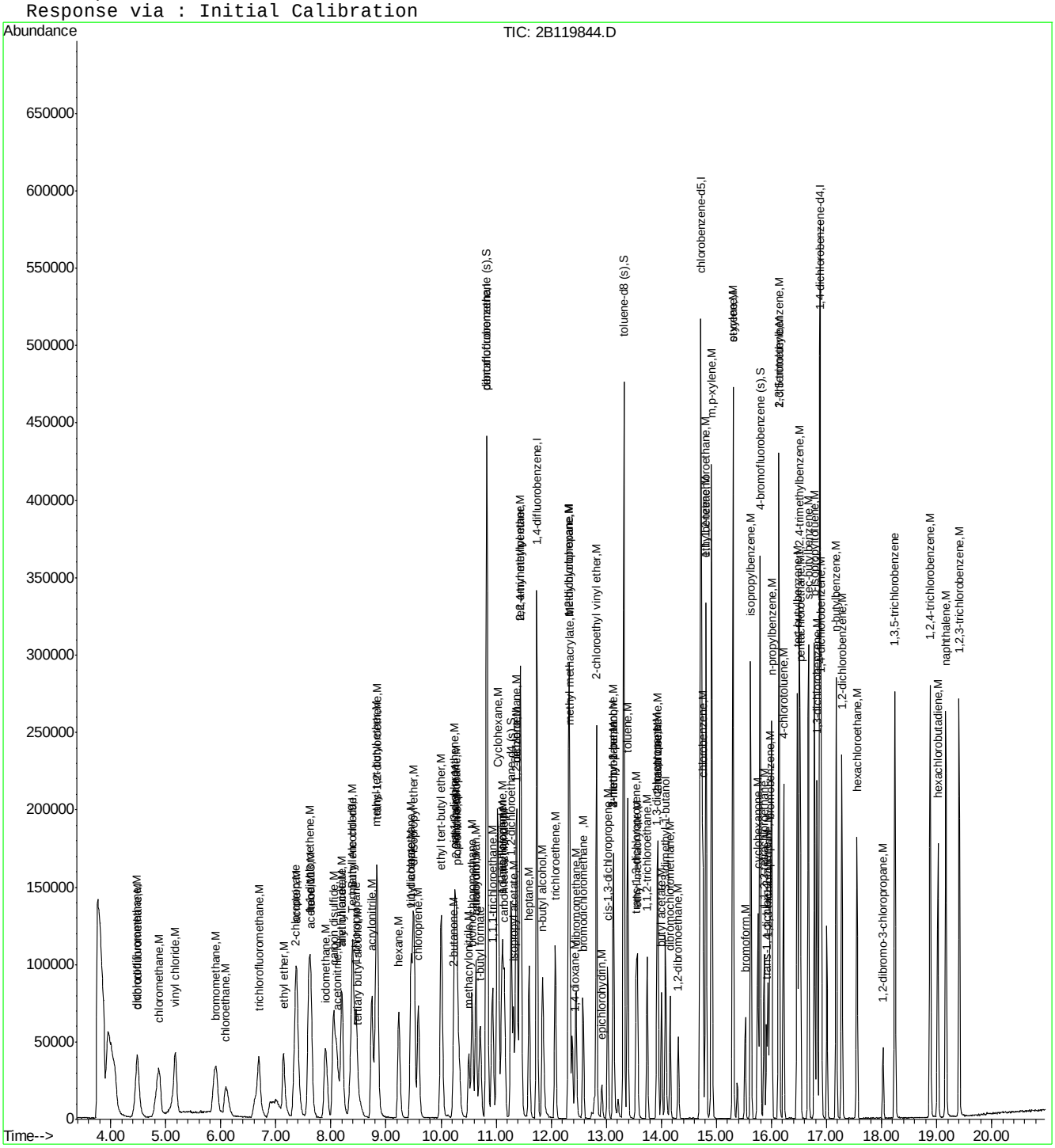
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105)	bromoform	15.52	173	30933	20.24	ug/L	99
107)	isopropylbenzene	15.62	105	182733	20.64	ug/L	99
109)	cyclohexanone	15.75	98	23425	170.74	ug/L	96
110)	bromobenzene	15.98	156	46429	19.23	ug/L	98
111)	1,1,2,2-tetrachloroethane	15.87	83	52107	18.12	ug/L	99
112)	trans-1,4-dichloro-2-buten	15.91	53	10333	20.80	ug/L	94
113)	1,2,3-trichloropropane	15.94	110	11291	19.98	ug/L	89
114)	n-propylbenzene	16.00	91	183870	20.23	ug/L	98
115)	2-chlorotoluene	16.13	126	42908	19.79	ug/L	98
116)	4-chlorotoluene	16.22	91	108694	19.61	ug/L	98
117)	1,3,5-trimethylbenzene	16.14	105	147446	20.30	ug/L	97
118)	tert-butylbenzene	16.47	119	132663	20.47	ug/L	98
119)	pentachloroethane	16.52	167	37279	20.30	ug/L	97
120)	1,2,4-trimethylbenzene	16.51	105	145704	20.71	ug/L	99
121)	sec-butylbenzene	16.67	105	199921	20.41	ug/L	100
122)	1,3-dichlorobenzene	16.83	146	88784	19.39	ug/L	97
123)	p-isopropyltoluene	16.78	119	167125	20.37	ug/L	99
124)	1,4-dichlorobenzene	16.91	146	88298	19.37	ug/L	98
125)	1,2-dichlorobenzene	17.28	146	97080	19.29	ug/L	99
126)	n-butylbenzene	17.17	92	80587	20.35	ug/L	97
127)	1,2-dibromo-3-chloropropan	18.02	75	10402	21.78	ug/L	87
128)	1,3,5-trichlorobenzene	18.24	180	97009	20.01	ug/L	97
129)	1,2,4-trichlorobenzene	18.88	180	95491	19.74	ug/L	99
130)	hexachlorobutadiene	19.02	225	41433	18.83	ug/L	96
131)	naphthalene	19.17	128	201665	21.24	ug/L	99
132)	1,2,3-trichlorobenzene	19.41	180	93613	20.83	ug/L	99
133)	hexachloroethane	17.56	201	34791	19.74	ug/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119844.D Vial: 8
Acq On : 3 Jun 2014 8:25 pm Operator: payalr
Sample : ic5440-20 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:38 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:26 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.37	65	137788	500.00	ug/L	-0.01
5) pentafluorobenzene	10.82	168	276059	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	305016	50.00	ug/L	0.00
90) chlorobenzene-d5	14.73	117	245269	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	131397	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.83	113	105795	54.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 109.12%			
52) 1,2-dichloroethane-d4 (s)	11.26	65	103461	59.44	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 118.88%			
82) toluene-d8 (s)	13.32	98	313199	58.76	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 117.52%			
108) 4-bromofluorobenzene (s)	15.79	95	103288	52.33	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 104.66%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.50	59	80440	240.33	ug/L	91
4) 1,4-dioxane	12.43	88	40230	1310.65	ug/L	98
9) chlorodifluoromethane	4.49	51	167270	64.63	ug/L	98
10) dichlorodifluoromethane	4.47	85	214661	61.18	ug/L	100
12) chloromethane	4.87	50	260831	59.67	ug/L	99
13) vinyl chloride	5.17	62	256234	62.23	ug/L	98
15) bromomethane	5.91	94	151335	57.25	ug/L	98
16) chloroethane	6.08	64	97898	57.96	ug/L	98
18) trichlorofluoromethane	6.68	101	248079	60.72	ug/L	96
20) ethyl ether	7.13	74	65744	59.07	ug/L	95
21) acrolein	7.37	56	297787	628.38	ug/L	96
22) 2-chloropropane	7.33	43	234262	56.41	ug/L	99
24) 1,1-dichloroethene	7.60	96	131055	57.40	ug/L	98
25) acetone	7.64	43	40083	54.48	ug/L	95
26) allyl chloride	8.19	76	62968	59.64	ug/L	90
27) acetonitrile	8.10	40	89579	655.55	ug/L	97
28) iodomethane	7.90	142	282337	59.26	ug/L	97
29) iso-butyl alcohol	11.10	74	13568	590.45	ug/L	93
30) carbon disulfide	8.05	76	518851	58.21	ug/L	100
31) methylene chloride	8.39	84	147316	58.12	ug/L	99
32) methyl acetate	8.18	74	20435	60.56	ug/L	91
33) 1-chloropropane	8.45	42	204852	52.22	ug/L	99
34) methyl tert butyl ether	8.82	73	410648	57.37	ug/L	98
35) trans-1,2-dichloroethene	8.83	96	120515	55.54	ug/L	95
36) di-isopropyl ether	9.50	45	442283	62.02	ug/L	99
37) 2-butanone	10.22	72	14024	57.93	ug/L	97
38) 1,1-dichloroethane	9.45	63	220147	58.18	ug/L	98
39) chloroprene	9.58	53	152030	61.23	ug/L	98
40) acrylonitrile	8.73	53	250314	277.41	ug/L	99
41) vinyl acetate	9.46	86	17591	57.70	ug/L	83
42) ethyl tert-butyl ether	10.00	59	442267	63.94	ug/L	99
43) ethyl acetate	10.26	45	14970	60.28	ug/L	79
44) 2,2-dichloropropane	10.27	77	193575	57.02	ug/L	99

(#) = qualifier out of range (m) = manual integration
2B119845.D M2B5440.M Fri Jun 06 14:38:53 2014 MS2B Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:26 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	135958	55.37	ug/L		99
46)	propionitrile	10.28	54	184731	557.11	ug/L		99
47)	bromochloromethane	10.56	128	68532	57.98	ug/L		93
48)	tetrahydrofuran	10.63	42	36437	51.59	ug/L		97
49)	chloroform	10.63	83	198717	56.58	ug/L		99
50)	t-butyl formate	10.70	59	105221	64.37	ug/L		95
53)	freon 113	7.63	151	117591	61.05	ug/L		98
54)	methacrylonitrile	10.50	41	66750	55.35	ug/L		99
55)	1,1,1-trichloroethane	10.93	97	193906	58.76	ug/L		99
56)	Cyclohexane	11.03	84	200311	61.36	ug/L	#	79
61)	epichlorohydrin	12.92	57	47131	274.91	ug/L		98
62)	n-butyl alcohol	11.84	56	179040	2721.44	ug/L		99
63)	carbon tetrachloride	11.14	117	170197	55.35	ug/L		98
64)	1,1-dichloropropene	11.11	75	133543	54.67	ug/L		98
65)	hexane	9.23	57	127196	58.08	ug/L		98
66)	benzene	11.37	78	411989	55.09	ug/L		100
67)	2,2,4-trimethylpentane	11.44	57	445297	61.60	ug/L		98
68)	tert-amyl methyl ether	11.44	73	390914	56.24	ug/L		99
69)	heptane	11.60	57	65791	60.92	ug/L		97
70)	isopropyl acetate	11.31	43	201569	56.27	ug/L		99
71)	1,2-dichloroethane	11.36	62	122302	52.82	ug/L		94
72)	trichloroethene	12.07	95	99470	54.07	ug/L		99
74)	2-nitropropane	13.13	46	6111	52.59	ug/L		94
75)	2-chloroethyl vinyl ether	12.82	63	275787	297.90	ug/L		98
76)	methyl methacrylate	12.34	100	22884	54.89	ug/L	#	73
77)	1,2-dichloropropane	12.32	63	100825	51.50	ug/L		97
78)	dibromomethane	12.45	93	61674	52.18	ug/L		99
79)	methylcyclohexane	12.32	83	208045	59.48	ug/L		99
80)	bromodichloromethane	12.58	83	128028	52.01	ug/L		98
81)	cis-1,3-dichloropropene	13.02	75	149348	54.14	ug/L		98
83)	4-methyl-2-pentanone	13.13	58	47171	54.50	ug/L		95
84)	toluene	13.39	92	215874	52.32	ug/L		99
85)	3-methyl-1-butanol	13.13	55	108407	1133.34	ug/L		100
86)	trans-1,3-dichloropropene	13.55	75	127502	52.64	ug/L		99
87)	ethyl methacrylate	13.57	69	114701	55.04	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	68268	50.10	ug/L		96
89)	2-hexanone	13.92	58	33924	55.41	ug/L		97
92)	tetrachloroethene	13.94	164	83286	52.07	ug/L		96
93)	1,3-dichloropropane	13.92	76	126578	53.46	ug/L		99
94)	butyl acetate	14.00	56	59556	54.69	ug/L		91
95)	3,3-dimethyl-1-butanol	14.07	57	149144	574.53	ug/L		99
96)	dibromochloromethane	14.16	129	98201	48.57	ug/L		100
97)	1,2-dibromoethane	14.31	107	84372	50.13	ug/L		97
98)	chlorobenzene	14.75	112	232100	51.69	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	113431	51.17	ug/L		99
100)	ethylbenzene	14.81	91	378225	48.64	ug/L		100
101)	m,p-xylene	14.91	106	299627	98.77	ug/L		100
102)	o-xylene	15.30	106	173466	54.44	ug/L		96
103)	styrene	15.30	104	246610	52.76	ug/L		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:26 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

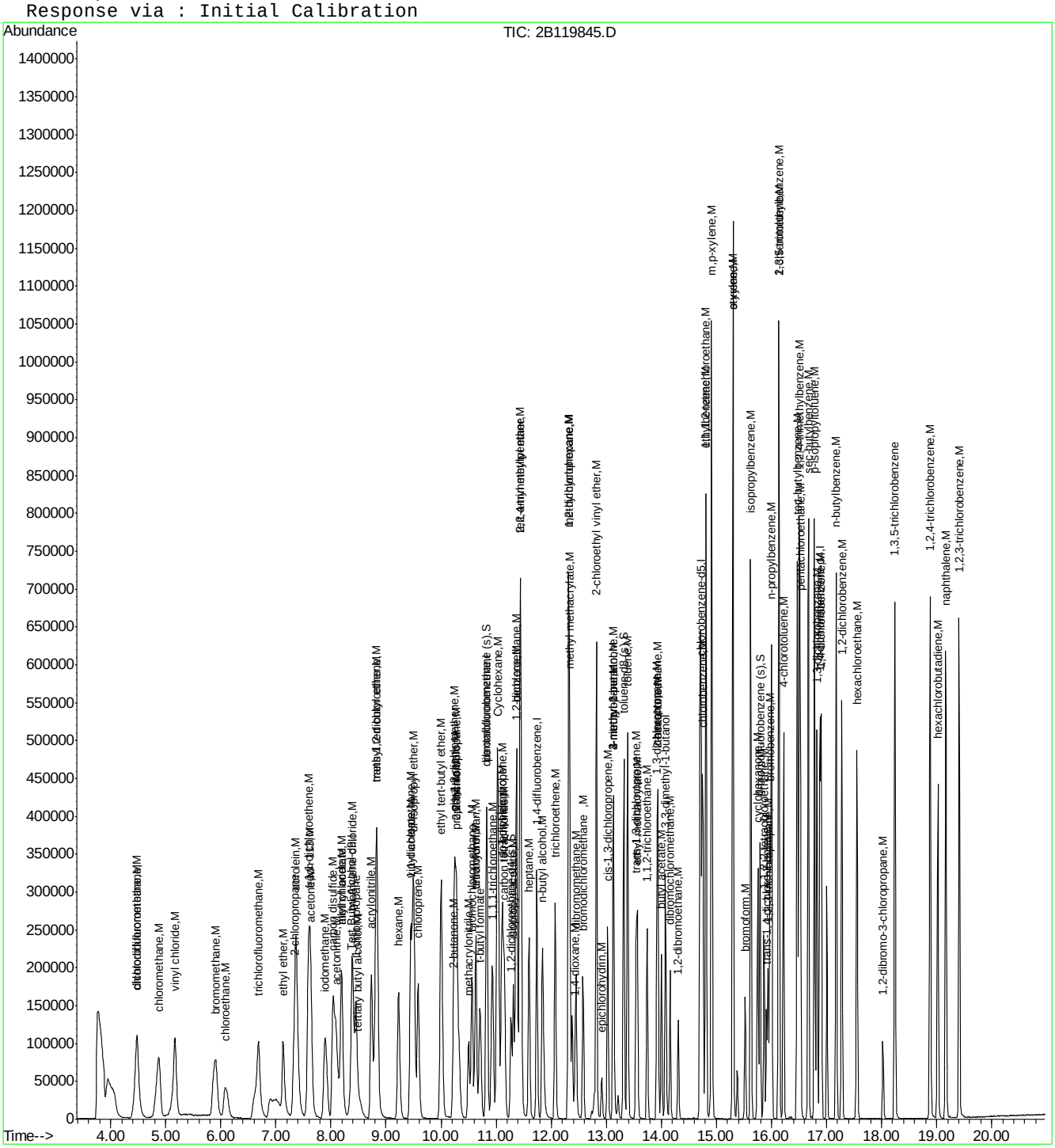
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105)	bromoform	15.52	173	73983	51.33	ug/L	99
107)	isopropylbenzene	15.62	105	466053	58.24	ug/L	99
109)	cyclohexanone	15.75	98	59011	475.87	ug/L	95
110)	bromobenzene	15.98	156	112709	51.64	ug/L	100
111)	1,1,2,2-tetrachloroethane	15.87	83	120804	46.48	ug/L	97
112)	trans-1,4-dichloro-2-buten	15.91	53	24184	53.85	ug/L	98
113)	1,2,3-trichloropropane	15.94	110	26929	52.72	ug/L	99
114)	n-propylbenzene	16.00	91	450530	54.85	ug/L	98
115)	2-chlorotoluene	16.13	126	107477	54.85	ug/L	99
116)	4-chlorotoluene	16.22	91	262157	52.32	ug/L	100
117)	1,3,5-trimethylbenzene	16.14	105	372972	56.82	ug/L	99
118)	tert-butylbenzene	16.47	119	359241	61.34	ug/L	99
119)	pentachloroethane	16.52	167	93275	56.18	ug/L	97
120)	1,2,4-trimethylbenzene	16.50	105	353508	55.59	ug/L	100
121)	sec-butylbenzene	16.67	105	518344	58.54	ug/L	100
122)	1,3-dichlorobenzene	16.83	146	209034	50.51	ug/L	97
123)	p-isopropyltoluene	16.78	119	430983	58.13	ug/L	100
124)	1,4-dichlorobenzene	16.91	146	205329	49.83	ug/L	97
125)	1,2-dichlorobenzene	17.28	146	229216	50.38	ug/L	99
126)	n-butylbenzene	17.17	92	204127	57.04	ug/L	99
127)	1,2-dibromo-3-chloropropan	18.02	75	22850	52.93	ug/L	96
128)	1,3,5-trichlorobenzene	18.24	180	238620	54.46	ug/L	95
129)	1,2,4-trichlorobenzene	18.88	180	237419	54.31	ug/L	99
130)	hexachlorobutadiene	19.02	225	106956	53.78	ug/L	98
131)	naphthalene	19.17	128	491760	57.29	ug/L	99
132)	1,2,3-trichlorobenzene	19.41	180	232006	57.11	ug/L	99
133)	hexachloroethane	17.55	201	94642	59.42	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119845.D Vial: 9
Acq On : 3 Jun 2014 8:56 pm Operator: payalr
Sample : icc5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:38 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:38 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	8.38	65	147577	500.00	ug/L		0.00
5) pentafluorobenzene	10.82	168	286479	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.74	114	346713	50.00	ug/L		0.00
90) chlorobenzene-d5	14.73	117	259034	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.88	152	142336	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.83	113	439127	218.23	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 436.46%#				
52) 1,2-dichloroethane-d4 (s)	11.27	65	432185	239.27	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 478.54%#				
82) toluene-d8 (s)	13.32	98	1350684	222.92	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 445.84%#				
108) 4-bromofluorobenzene (s)	15.79	95	437899	204.81	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 409.62%#				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.51	59	344073	959.81	ug/L	#	50
4) 1,4-dioxane	12.43	88	170655	5190.98	ug/L		97
9) chlorodifluoromethane	4.47	51	685808	255.34	ug/L		99
10) dichlorodifluoromethane	4.46	85	850839	233.67	ug/L		99
12) chloromethane	4.87	50	1033718	227.86	ug/L		98
13) vinyl chloride	5.17	62	1010721	236.54	ug/L		97
15) bromomethane	5.89	94	510000	185.90	ug/L		99
16) chloroethane	6.07	64	349265	199.25	ug/L		98
18) trichlorofluoromethane	6.67	101	969249	228.60	ug/L		99
20) ethyl ether	7.13	74	258428	223.76	ug/L		91
21) acrolein	7.36	56	1111031	2259.20	ug/L		98
22) 2-chloropropane	7.33	43	929660	215.70	ug/L		99
24) 1,1-dichloroethene	7.59	96	517340	218.33	ug/L		100
25) acetone	7.63	43	151769	198.78	ug/L		98
26) allyl chloride	8.19	76	254605	232.37	ug/L		97
27) acetonitrile	8.10	40	342184	2413.06	ug/L		99
28) iodomethane	7.89	142	1147763	232.15	ug/L		99
29) iso-butyl alcohol	11.11	74	58313	2445.34	ug/L		96
30) carbon disulfide	8.04	76	2059448	222.63	ug/L		100
31) methylene chloride	8.38	84	591665	224.96	ug/L		99
32) methyl acetate	8.18	74	78501	224.17	ug/L	#	77
33) 1-chloropropane	8.45	42	803234	197.30	ug/L		100
34) methyl tert butyl ether	8.82	73	1597144	215.02	ug/L		99
35) trans-1,2-dichloroethene	8.83	96	471054	209.18	ug/L		95
36) di-isopropyl ether	9.50	45	1682013	227.29	ug/L		97
37) 2-butanone	10.22	72	61024	242.91	ug/L		97
38) 1,1-dichloroethane	9.45	63	872404	222.17	ug/L		99
39) chloroprene	9.58	53	616715	239.34	ug/L		97
40) acrylonitrile	8.73	53	996215	1063.91	ug/L		100
41) vinyl acetate	9.45	86	76952	243.23	ug/L		98
42) ethyl tert-butyl ether	10.00	59	1760793	245.32	ug/L		99
43) ethyl acetate	10.26	45	59523	230.97	ug/L		76
44) 2,2-dichloropropane	10.28	77	757488	215.02	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:38 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	543994	213.48	ug/L		97
46)	propionitrile	10.29	54	753332	2189.27	ug/L		99
47)	bromochloromethane	10.56	128	278239	226.82	ug/L		94
48)	tetrahydrofuran	10.63	42	147347	201.04	ug/L		97
49)	chloroform	10.63	83	787764	216.12	ug/L		98
50)	t-butyl formate	10.71	59	443186	261.25	ug/L		94
53)	freon 113	7.62	151	452156	226.20	ug/L		96
54)	methacrylonitrile	10.50	41	290129	231.84	ug/L		98
55)	1,1,1-trichloroethane	10.93	97	808101	235.96	ug/L		99
56)	Cyclohexane	11.03	84	817076	241.19	ug/L		96
61)	epichlorohydrin	12.92	57	212551	1090.69	ug/L		99
62)	n-butyl alcohol	11.85	56	851838	11390.92	ug/L		97
63)	carbon tetrachloride	11.14	117	691572	197.87	ug/L		99
64)	1,1-dichloropropene	11.11	75	572532	206.20	ug/L		98
65)	hexane	9.22	57	520510	209.10	ug/L		98
66)	benzene	11.37	78	1736887	204.31	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	1803686	219.50	ug/L		97
68)	tert-amyl methyl ether	11.44	73	1546288	195.71	ug/L		99
69)	heptane	11.60	57	287312	234.04	ug/L		99
70)	isopropyl acetate	11.32	43	885122	217.39	ug/L		98
71)	1,2-dichloroethane	11.36	62	508831	193.31	ug/L		95
72)	trichloroethene	12.07	95	441154	210.96	ug/L		98
74)	2-nitropropane	13.13	46	28973	219.34	ug/L	#	70
75)	2-chloroethyl vinyl ether	12.82	63	1149094	1091.95	ug/L		99
76)	methyl methacrylate	12.33	100	103021	217.40	ug/L		96
77)	1,2-dichloropropane	12.32	63	440307	197.85	ug/L		98
78)	dibromomethane	12.45	93	263369	196.04	ug/L		98
79)	methylcyclohexane	12.32	83	854105	214.81	ug/L		98
80)	bromodichloromethane	12.58	83	571370	204.18	ug/L		100
81)	cis-1,3-dichloropropene	13.02	75	661997	211.10	ug/L		100
83)	4-methyl-2-pentanone	13.13	58	215999	219.54	ug/L		95
84)	toluene	13.39	92	938392	200.07	ug/L		97
85)	3-methyl-1-butanol	13.13	55	502394	4620.62	ug/L		98
86)	trans-1,3-dichloropropene	13.55	75	560211	203.47	ug/L		99
87)	ethyl methacrylate	13.57	69	529987	223.74	ug/L		97
88)	1,1,2-trichloroethane	13.74	83	297987	192.37	ug/L		97
89)	2-hexanone	13.92	58	161220	231.65	ug/L		96
92)	tetrachloroethene	13.94	164	354392	209.79	ug/L		98
93)	1,3-dichloropropane	13.92	76	550850	220.30	ug/L		98
94)	butyl acetate	14.00	56	273265	237.60	ug/L		87
95)	3,3-dimethyl-1-butanol	14.08	57	716877	2614.81	ug/L		99
96)	dibromochloromethane	14.16	129	439041	205.61	ug/L		98
97)	1,2-dibromoethane	14.31	107	371827	209.17	ug/L		98
98)	chlorobenzene	14.75	112	1013381	213.69	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	507556	216.78	ug/L		97
100)	ethylbenzene	14.81	91	1590003	193.60	ug/L		98
101)	m,p-xylene	14.91	106	1317935	411.38	ug/L		92
102)	o-xylene	15.30	106	770718	229.02	ug/L		91
103)	styrene	15.30	104	1084192	219.61	ug/L		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 04 11:28:38 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Wed Jun 04 11:26:50 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

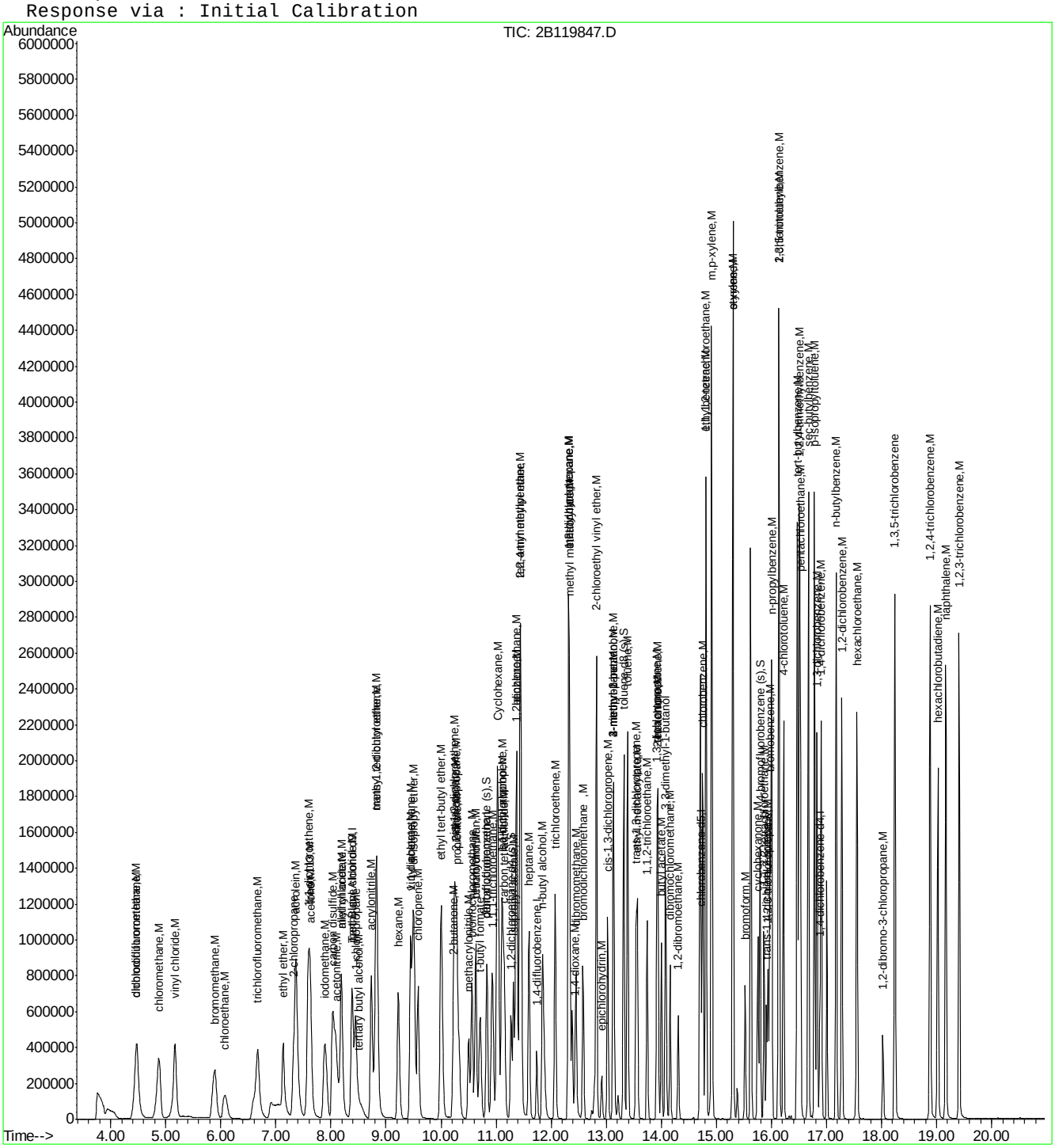
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105)	bromoform	15.52	173	340180	223.49	ug/L	99
109)	cyclohexanone	15.75	98	188562	1403.73	ug/L	93
110)	bromobenzene	15.97	156	489460	207.03	ug/L	93
111)	1,1,2,2-tetrachloroethane	15.86	83	511837	181.79	ug/L	100
112)	trans-1,4-dichloro-2-buten	15.91	53	100522	206.64	ug/L	93
113)	1,2,3-trichloropropane	15.94	110	113060	204.33	ug/L	98
114)	n-propylbenzene	16.00	91	1878193	211.11	ug/L	96
115)	2-chlorotoluene	16.13	126	479267	225.81	ug/L	92
116)	4-chlorotoluene	16.22	91	1143862	210.74	ug/L	100
117)	1,3,5-trimethylbenzene	16.14	105	1625032	228.53	ug/L	99
118)	tert-butylbenzene	16.47	119	1685564	265.67	ug/L	98
119)	pentachloroethane	16.52	167	430771	239.52	ug/L	98
120)	1,2,4-trimethylbenzene	16.50	105	1524234	221.26	ug/L	98
121)	sec-butylbenzene	16.67	105	2338446	243.80	ug/L	98
122)	1,3-dichlorobenzene	16.83	146	890993	198.75	ug/L	99
123)	p-isopropyltoluene	16.78	119	1929089	240.18	ug/L	98
124)	1,4-dichlorobenzene	16.91	146	899655	201.54	ug/L	97
125)	1,2-dichlorobenzene	17.28	146	980055	198.86	ug/L	98
126)	n-butylbenzene	17.17	92	904673	233.35	ug/L	98
127)	1,2-dibromo-3-chloropropan	18.02	75	105470	225.52	ug/L	99
128)	1,3,5-trichlorobenzene	18.24	180	1029373	216.88	ug/L	100
129)	1,2,4-trichlorobenzene	18.88	180	1023845	216.22	ug/L	98
130)	hexachlorobutadiene	19.02	225	487712	226.38	ug/L	99
131)	naphthalene	19.17	128	2055940	221.13	ug/L	98
132)	1,2,3-trichlorobenzene	19.41	180	958461	217.80	ug/L	100
133)	hexachloroethane	17.55	201	476714	276.30	ug/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119847.D Vial: 11
Acq On : 3 Jun 2014 9:59 pm Operator: payalr
Sample : ic5440-200 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 6 14:39 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 05 12:35:37 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	8.36	65	142020	500.00	ug/L	0.00
5) pentafluorobenzene	10.82	168	280593	50.00	ug/L	0.00
58) 1,4-difluorobenzene	11.74	114	310784	50.00	ug/L	0.00
90) chlorobenzene-d5	14.72	117	248104	50.00	ug/L	0.00
106) 1,4-dichlorobenzene-d4	16.88	152	135928	50.00	ug/L	0.00
System Monitoring Compounds						
51) dibromofluoromethane (s)	10.84	113	105076	47.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 95.48%			
52) 1,2-dichloroethane-d4 (s)	11.27	65	100420	48.20	ug/L	0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 96.40%			
82) toluene-d8 (s)	13.32	98	319455	50.61	ug/L	0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 101.22%			
108) 4-bromofluorobenzene (s)	15.79	95	105777	51.25	ug/L	0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.50%			
Target Compounds						Qvalue
2) tertiary butyl alcohol	8.49	59	88914	253.15	ug/L	88
4) 1,4-dioxane	12.43	88	43012	1298.93	ug/L	93
9) chlorodifluoromethane	4.48	51	145078	47.23	ug/L	98
10) dichlorodifluoromethane	4.46	85	216258	55.09	ug/L	100
12) chloromethane	4.86	50	265514	54.01	ug/L	99
13) vinyl chloride	5.16	62	265925	54.55	ug/L	97
15) bromomethane	5.90	94	154270	50.88	ug/L	98
16) chloroethane	6.08	64	98937	52.40	ug/L	99
18) trichlorofluoromethane	6.68	101	251549	54.15	ug/L	99
20) ethyl ether	7.13	74	64694	53.50	ug/L	91
21) acrolein	7.37	56	298135	544.45	ug/L	100
22) 2-chloropropane	7.33	43	229238	48.63	ug/L	98
24) 1,1-dichloroethene	7.59	96	127538	49.36	ug/L	97
25) acetone	7.63	43	36979	44.71	ug/L	86
26) allyl chloride	8.19	76	59835	49.93	ug/L	94
27) acetonitrile	8.10	40	84195	456.75	ug/L	96
28) iodomethane	7.89	142	276582	52.81	ug/L	98
29) iso-butyl alcohol	11.11	74	14105	529.74	ug/L	92
30) carbon disulfide	8.04	76	509734	51.70	ug/L	99
31) methylene chloride	8.39	84	145208	49.96	ug/L	96
32) methyl acetate	8.18	74	18427	48.37	ug/L	94
33) 1-chloropropane	8.45	42	209653	49.46	ug/L	100
34) methyl tert butyl ether	8.82	73	793219	100.94	ug/L	100
35) trans-1,2-dichloroethene	8.83	96	117510	49.51	ug/L	100
36) di-isopropyl ether	9.50	45	432181	51.49	ug/L	99
37) 2-butanone	10.22	72	13933	51.46	ug/L	97
38) 1,1-dichloroethane	9.45	63	217420	52.19	ug/L	98
39) chloroprene	9.58	53	134149	46.26	ug/L	99
40) acrylonitrile	8.73	53	250552	260.26	ug/L	99
41) vinyl acetate	9.45	86	20165	58.99	ug/L	88
42) ethyl tert-butyl ether	10.00	59	425139	50.14	ug/L	98
43) ethyl acetate	10.26	45	14044	49.18	ug/L	77
44) 2,2-dichloropropane	10.27	77	187782	50.27	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 05 12:35:37 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	cis-1,2-dichloroethene	10.24	96	134112	51.41	ug/L		97
46)	propionitrile	10.29	54	190810	508.46	ug/L		98
47)	bromochloromethane	10.56	128	68425	53.04	ug/L		97
48)	tetrahydrofuran	10.63	42	35943	49.73	ug/L		98
49)	chloroform	10.63	83	197241	50.17	ug/L		99
50)	t-butyl formate	10.70	59	108330	52.72	ug/L		95
53)	freon 113	7.62	151	116400	51.86	ug/L		98
54)	methacrylonitrile	10.50	41	66384	50.82	ug/L		95
55)	1,1,1-trichloroethane	10.93	97	194235	52.04	ug/L		98
56)	Cyclohexane	11.03	84	200912	52.97	ug/L		99
61)	epichlorohydrin	12.92	57	49561	258.86	ug/L		98
62)	n-butyl alcohol	11.84	56	195797	2634.64	ug/L		99
63)	carbon tetrachloride	11.14	117	168884	50.86	ug/L		98
64)	1,1-dichloropropene	11.11	75	133372	52.69	ug/L		96
65)	hexane	9.23	57	153239	61.48	ug/L		99
66)	benzene	11.37	78	408803	50.14	ug/L		99
67)	2,2,4-trimethylpentane	11.44	57	404457	50.17	ug/L		97
68)	tert-amyl methyl ether	11.44	73	380167	46.73	ug/L		99
69)	heptane	11.60	57	58212	48.16	ug/L		98
70)	isopropyl acetate	11.31	43	204760	49.31	ug/L		98
71)	1,2-dichloroethane	11.36	62	121042	50.23	ug/L		95
72)	trichloroethene	12.07	95	99960	53.42	ug/L		98
74)	2-nitropropane	13.13	46	6872	57.31	ug/L	#	82
75)	2-chloroethyl vinyl ether	12.82	63	274638	250.74	ug/L		99
76)	methyl methacrylate	12.34	100	22959	50.95	ug/L		100
77)	1,2-dichloropropane	12.32	63	98561	51.44	ug/L		100
78)	dibromomethane	12.45	93	60943	51.27	ug/L		97
79)	methylcyclohexane	12.32	83	187691	48.72	ug/L		98
80)	bromodichloromethane	12.58	83	128074	51.52	ug/L		98
81)	cis-1,3-dichloropropene	13.02	75	147623	52.47	ug/L		99
83)	4-methyl-2-pentanone	13.13	58	50304	53.30	ug/L		98
84)	toluene	13.39	92	217582	53.85	ug/L		99
85)	3-methyl-1-butanol	13.13	55	120194	1074.30	ug/L		96
86)	trans-1,3-dichloropropene	13.55	75	127561	51.55	ug/L		99
87)	ethyl methacrylate	13.57	69	120180	55.94	ug/L		99
88)	1,1,2-trichloroethane	13.74	83	70111	51.49	ug/L		99
89)	2-hexanone	13.92	58	35480	54.60	ug/L		93
92)	tetrachloroethene	13.94	164	84050	52.17	ug/L		99
93)	1,3-dichloropropane	13.92	76	128898	51.99	ug/L		98
94)	butyl acetate	14.00	56	62227	51.74	ug/L		98
95)	3,3-dimethyl-1-butanol	14.08	57	161323	493.10	ug/L		98
96)	dibromochloromethane	14.16	129	100903	50.60	ug/L		97
97)	1,2-dibromoethane	14.31	107	85388	51.36	ug/L		99
98)	chlorobenzene	14.75	112	234808	51.65	ug/L		99
99)	1,1,1,2-tetrachloroethane	14.80	131	117164	52.66	ug/L		99
100)	ethylbenzene	14.81	91	385286	53.28	ug/L		100
101)	m,p-xylene	14.91	106	304989	108.19	ug/L		100
102)	o-xylene	15.30	106	176580	54.80	ug/L		96
103)	styrene	15.30	104	252881	53.98	ug/L		100

(#) = qualifier out of range (m) = manual integration

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 05 12:35:37 2014 Quant Results File: M2B5440.RES

Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration
DataAcq Meth : M2B5440

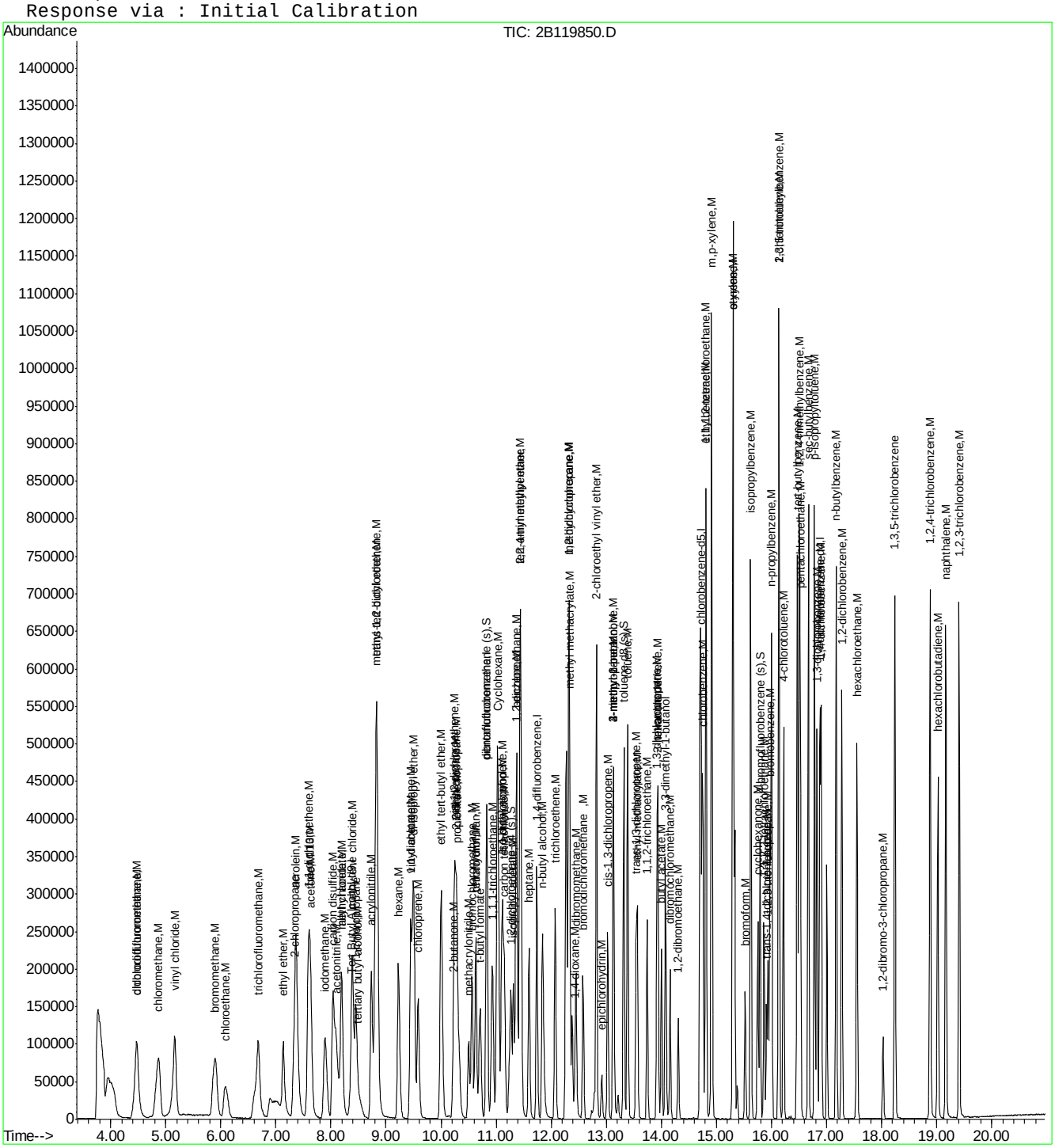
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
105) bromoform	15.52	173	77370	49.20	ug/L	97
107) isopropylbenzene	15.62	105	470791	58.43	ug/L	99
109) cyclohexanone	15.75	98	46305	413.78	ug/L	96
110) bromobenzene	15.98	156	114241	51.77	ug/L	97
111) 1,1,2,2-tetrachloroethane	15.86	83	127224	50.32	ug/L	98
112) trans-1,4-dichloro-2-buten	15.91	53	25093	52.89	ug/L	99
113) 1,2,3-trichloropropane	15.94	110	28382	51.46	ug/L	99
114) n-propylbenzene	16.00	91	462856	55.96	ug/L	98
115) 2-chlorotoluene	16.13	126	108166	54.23	ug/L	99
116) 4-chlorotoluene	16.22	91	268189	52.11	ug/L	98
117) 1,3,5-trimethylbenzene	16.14	105	379118	57.73	ug/L	100
118) tert-butylbenzene	16.47	119	357290	47.20	ug/L	100
119) pentachloroethane	16.52	167	94566	52.48	ug/L	98
120) 1,2,4-trimethylbenzene	16.50	105	365861	56.69	ug/L	99
121) sec-butylbenzene	16.67	105	536166	56.50	ug/L	99
122) 1,3-dichlorobenzene	16.83	146	215878	50.42	ug/L	99
123) p-isopropyltoluene	16.78	119	439903	53.71	ug/L	99
124) 1,4-dichlorobenzene	16.91	146	211952	49.35	ug/L	99
125) 1,2-dichlorobenzene	17.28	146	238454	51.32	ug/L	98
126) n-butylbenzene	17.17	92	210441	57.01	ug/L	99
127) 1,2-dibromo-3-chloropropan	18.02	75	24635	50.17	ug/L	98
128) 1,3,5-trichlorobenzene	18.24	180	243172	53.26	ug/L	99
129) 1,2,4-trichlorobenzene	18.88	180	243589	54.38	ug/L	97
130) hexachlorobutadiene	19.02	225	111525	55.28	ug/L	98
131) naphthalene	19.17	128	514496	54.20	ug/L	100
132) 1,2,3-trichlorobenzene	19.41	180	240744	54.11	ug/L	98
133) hexachloroethane	17.55	201	97538	47.10	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\V2B5440-5441\2B119850.D Vial: 14
Acq On : 3 Jun 2014 11:33 pm Operator: payalr
Sample : icv5440-50 Inst : MS2B
Misc : MS68407,V2B5440,w,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 5 12:36 2014 Quant Results File: M2B5440.RES

Method : C:\MSDCHEM\1\METHODS\M2B5440.M (RTE Integrator)
Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
Last Update : Thu Jun 05 12:34:19 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120709.D
Acq On : 27 Jun 2014 10:16 pm
Operator : payalr
Sample : cc5440-50
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 28 16:16:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Tert Butyl Alcohol-d9	8.352	65	134071	500.00	ug/L		-0.01
5) pentafluorobenzene	10.822	168	299328	50.00	ug/L		0.00
58) 1,4-difluorobenzene	11.734	114	335085	50.00	ug/L		0.00
90) chlorobenzene-d5	14.723	117	269434	50.00	ug/L		0.00
106) 1,4-dichlorobenzene-d4	16.878	152	140941	50.00	ug/L		0.00
System Monitoring Compounds							
51) dibromofluoromethane (s)	10.832	113	109787	46.76	ug/L		0.00
Spiked Amount 50.000	Range 79 - 120		Recovery = 93.52%				
52) 1,2-dichloroethane-d4 (s)	11.267	65	101854	45.83	ug/L		0.00
Spiked Amount 50.000	Range 72 - 123		Recovery = 91.66%				
82) toluene-d8 (s)	13.318	98	351971	51.72	ug/L		0.00
Spiked Amount 50.000	Range 78 - 119		Recovery = 103.44%				
108) 4-bromofluorobenzene (s)	15.792	95	109661	51.24	ug/L		0.00
Spiked Amount 50.000	Range 74 - 119		Recovery = 102.48%				
Target Compounds							Qvalue
2) tertiary butyl alcohol	8.494	59	85536	257.97	ug/L		97
4) 1,4-dioxane	12.426	88	41966	1342.48	ug/L		95
9) chlorodifluoromethane	4.478	51	213293	65.09	ug/L		94
10) dichlorodifluoromethane	4.462	85	230389	55.02	ug/L		99
12) chloromethane	4.866	50	272523	51.96	ug/L		99
13) vinyl chloride	5.165	62	271201	52.15	ug/L		99
15) bromomethane	5.904	94	159890	49.43	ug/L		97
16) chloroethane	6.093	64	98386	48.84	ug/L		98
18) trichlorofluoromethane	6.680	101	239084	48.24	ug/L		99
20) ethyl ether	7.131	74	60183	46.65	ug/L		87
21) acrolein	7.361	56	262159	448.79	ug/L		99
22) 2-chloropropane	7.330	43	200910	39.95	ug/L		98
24) 1,1-dichloroethene	7.592	96	115057	41.74	ug/L		98
25) acetone	7.634	43	34933	39.59	ug/L		91
26) allyl chloride	8.195	76	56247	44.00	ug/L	#	85
27) acetonitrile	8.095	40	86922	442.03	ug/L		94
28) iodomethane	7.880	142	258940	46.35	ug/L		99
30) carbon disulfide	8.033	76	452591	43.03	ug/L		98
31) methylene chloride	8.379	84	134905	43.51	ug/L		98
32) methyl acetate	8.185	74	19550	48.11	ug/L		93
33) 1-chloropropane	8.452	42	175773	38.87	ug/L		99
34) methyl tert butyl ether	8.814	73	376854	44.96	ug/L		99
35) trans-1,2-dichloroethene	8.824	96	115447	45.60	ug/L		97
36) di-isopropyl ether	9.495	45	417087	46.58	ug/L		98
37) 2-butanone	10.214	72	12551	43.45	ug/L	#	76
38) 1,1-dichloroethane	9.443	63	202658	45.60	ug/L		97
39) chloroprene	9.584	53	146621	47.40	ug/L		98
40) acrylonitrile	8.730	53	227617	221.64	ug/L		99
41) vinyl acetate	9.448	86	18706	51.29	ug/L		82
42) ethyl tert-butyl ether	9.993	59	427173	47.23	ug/L		99
43) ethyl acetate	10.256	45	13804	45.31	ug/L	#	91
44) 2,2-dichloropropane	10.271	77	169216	42.46	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120709.D
Acq On : 27 Jun 2014 10:16 pm
Operator : payalr
Sample : cc5440-50
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 28 16:16:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,2-dichloroethene	10.240	96	131829	47.37	ug/L		97
46) propionitrile	10.287	54	172180	430.10	ug/L		98
47) bromochloromethane	10.560	128	66833	48.56	ug/L		93
48) tetrahydrofuran	10.628	42	36480	47.31	ug/L		94
49) chloroform	10.628	83	189465	45.18	ug/L		99
50) t-butyl formate	10.706	59	103707	47.32	ug/L		98
53) freon 113	7.624	151	131963	55.11	ug/L		99
54) methacrylonitrile	10.497	41	58737	42.15	ug/L		95
55) 1,1,1-trichloroethane	10.932	97	186228	46.78	ug/L		98
56) Cyclohexane	11.026	84	188937	46.70	ug/L		83
61) epichlorohydrin	12.914	57	49698	240.75	ug/L		99
62) n-butyl alcohol	11.839	56	188327	2350.34	ug/L		94
63) carbon tetrachloride	11.147	117	163335	45.62	ug/L		98
64) 1,1-dichloropropene	11.110	75	126652	46.41	ug/L		99
65) hexane	9.223	57	137528	51.17	ug/L		100
66) benzene	11.367	78	402386	45.77	ug/L		100
67) 2,2,4-trimethylpentane	11.435	57	442715	50.94	ug/L		97
68) tert-amyl methyl ether	11.435	73	381487	43.49	ug/L		100
69) heptane	11.598	57	69240	53.13	ug/L		97
70) isopropyl acetate	11.309	43	194223	43.38	ug/L		98
71) 1,2-dichloroethane	11.357	62	116524	44.85	ug/L		97
72) trichloroethene	12.070	95	100669	49.90	ug/L		98
74) 2-nitropropane	13.124	46	6584	50.93	ug/L	#	92
75) 2-chloroethyl vinyl ether	12.819	63	299633	253.72	ug/L		100
76) methyl methacrylate	12.337	100	22234	45.76	ug/L		95
77) 1,2-dichloropropane	12.316	63	101963	49.35	ug/L		99
78) dibromomethane	12.447	93	62804	49.01	ug/L		98
79) methylcyclohexane	12.321	83	223977	53.92	ug/L		98
80) bromodichloromethane	12.578	83	128487	47.94	ug/L		100
81) cis-1,3-dichloropropene	13.019	75	143461	47.29	ug/L		97
83) 4-methyl-2-pentanone	13.129	58	43778	43.02	ug/L		94
84) toluene	13.386	92	218289	50.11	ug/L		97
85) 3-methyl-1-butanol	13.129	55	116408	965.34	ug/L		99
86) trans-1,3-dichloropropene	13.543	75	121761	45.64	ug/L		97
87) ethyl methacrylate	13.564	69	109005	47.06	ug/L		94
88) 1,1,2-trichloroethane	13.742	83	68836	46.89	ug/L		99
89) 2-hexanone	13.920	58	30304	43.25	ug/L		97
92) tetrachloroethene	13.936	164	85115	48.65	ug/L		98
93) 1,3-dichloropropane	13.915	76	125092	46.46	ug/L		98
94) butyl acetate	13.999	56	58643	44.90	ug/L		97
95) 3,3-dimethyl-1-butanol	14.073	57	156058	441.83	ug/L		97
96) dibromochloromethane	14.156	129	100752	46.52	ug/L		98
97) 1,2-dibromoethane	14.303	107	84359	46.73	ug/L		99
98) chlorobenzene	14.749	112	236819	47.97	ug/L		98
99) 1,1,1,2-tetrachloroethane	14.801	131	118818	49.18	ug/L		99
100) ethylbenzene	14.812	91	379771	48.36	ug/L		99
101) m,p-xylene	14.911	106	305166	99.69	ug/L		99
102) o-xylene	15.299	106	179054	51.17	ug/L		100
103) styrene	15.299	104	249869	49.11	ug/L		97
105) bromoform	15.520	173	77323	45.28	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120709.D
Acq On : 27 Jun 2014 10:16 pm
Operator : payalr
Sample : cc5440-50
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 28 16:16:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration

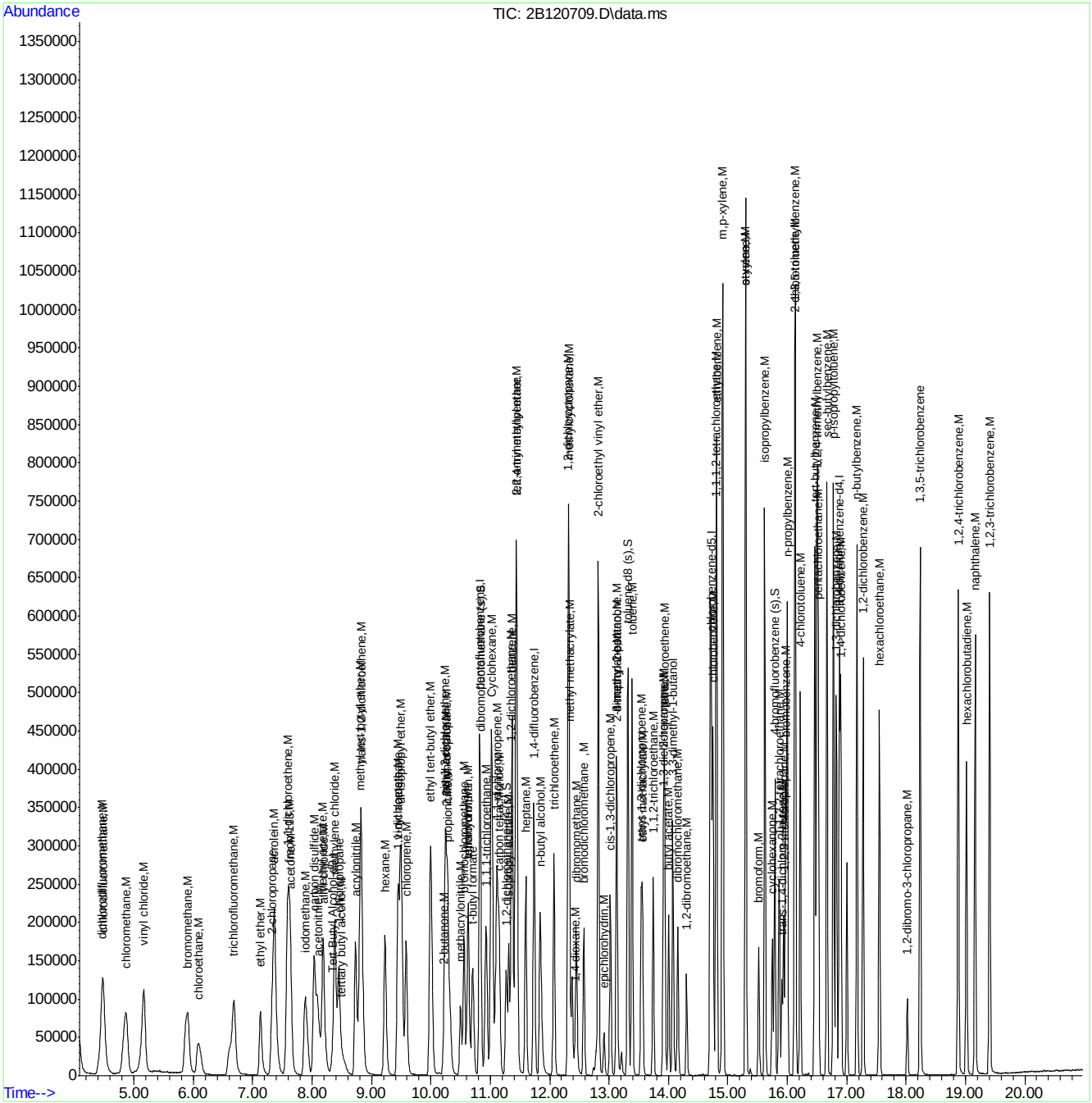
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
107) isopropylbenzene	15.619	105	470597	56.32	ug/L	98
109) cyclohexanone	15.750	98	33465	288.41	ug/L	97
110) bromobenzene	15.976	156	115213	50.36	ug/L	98
111) 1,1,2,2-tetrachloroethane	15.866	83	126197	48.14	ug/L	97
112) trans-1,4-dichloro-2-b...	15.908	53	19788	40.22	ug/L	95
113) 1,2,3-trichloropropane	15.939	110	28074	49.09	ug/L	97
114) n-propylbenzene	16.002	91	446893	52.11	ug/L	99
115) 2-chlorotoluene	16.128	126	110297	53.33	ug/L	94
116) 4-chlorotoluene	16.217	91	258463	48.43	ug/L	100
117) 1,3,5-trimethylbenzene	16.138	105	369960	54.33	ug/L	98
118) tert-butylbenzene	16.469	119	345012	44.14	ug/L	99
119) pentachloroethane	16.521	167	95542	51.14	ug/L	97
120) 1,2,4-trimethylbenzene	16.500	105	354830	53.03	ug/L	98
121) sec-butylbenzene	16.668	105	515695	52.41	ug/L	99
122) 1,3-dichlorobenzene	16.825	146	208394	46.94	ug/L	96
123) p-isopropyltoluene	16.778	119	426184	50.18	ug/L	99
124) 1,4-dichlorobenzene	16.904	146	207490	46.60	ug/L	98
125) 1,2-dichlorobenzene	17.276	146	233008	48.36	ug/L	99
126) n-butylbenzene	17.171	92	195799	51.16	ug/L	98
127) 1,2-dibromo-3-chloropr...	18.020	75	22599	44.38	ug/L	97
128) 1,3,5-trichlorobenzene	18.235	180	239128	50.51	ug/L	97
129) 1,2,4-trichlorobenzene	18.880	180	229385	49.38	ug/L	98
130) hexachlorobutadiene	19.022	225	101151	48.35	ug/L	96
131) naphthalene	19.163	128	471360	47.89	ug/L	100
132) 1,2,3-trichlorobenzene	19.405	180	221929	48.11	ug/L	99
133) hexachloroethane	17.549	201	94335	44.23	ug/L	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2b\v2b5477-5478\
Data File : 2B120709.D
Acq On : 27 Jun 2014 10:16 pm
Operator : payalr
Sample : cc5440-50
Misc : MS69296,V2B5478,w,,,,1
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 28 16:16:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M2B5440.M
Quant Title : SW-846 Method 8260, db624, 60mx0.25mmx1.4um
QLast Update : Tue Jun 17 10:44:16 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146733.D
Acq On : 24 Jun 2014 11:30 am
Operator : prashans
Sample : IC6377-0.2
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 14:34:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

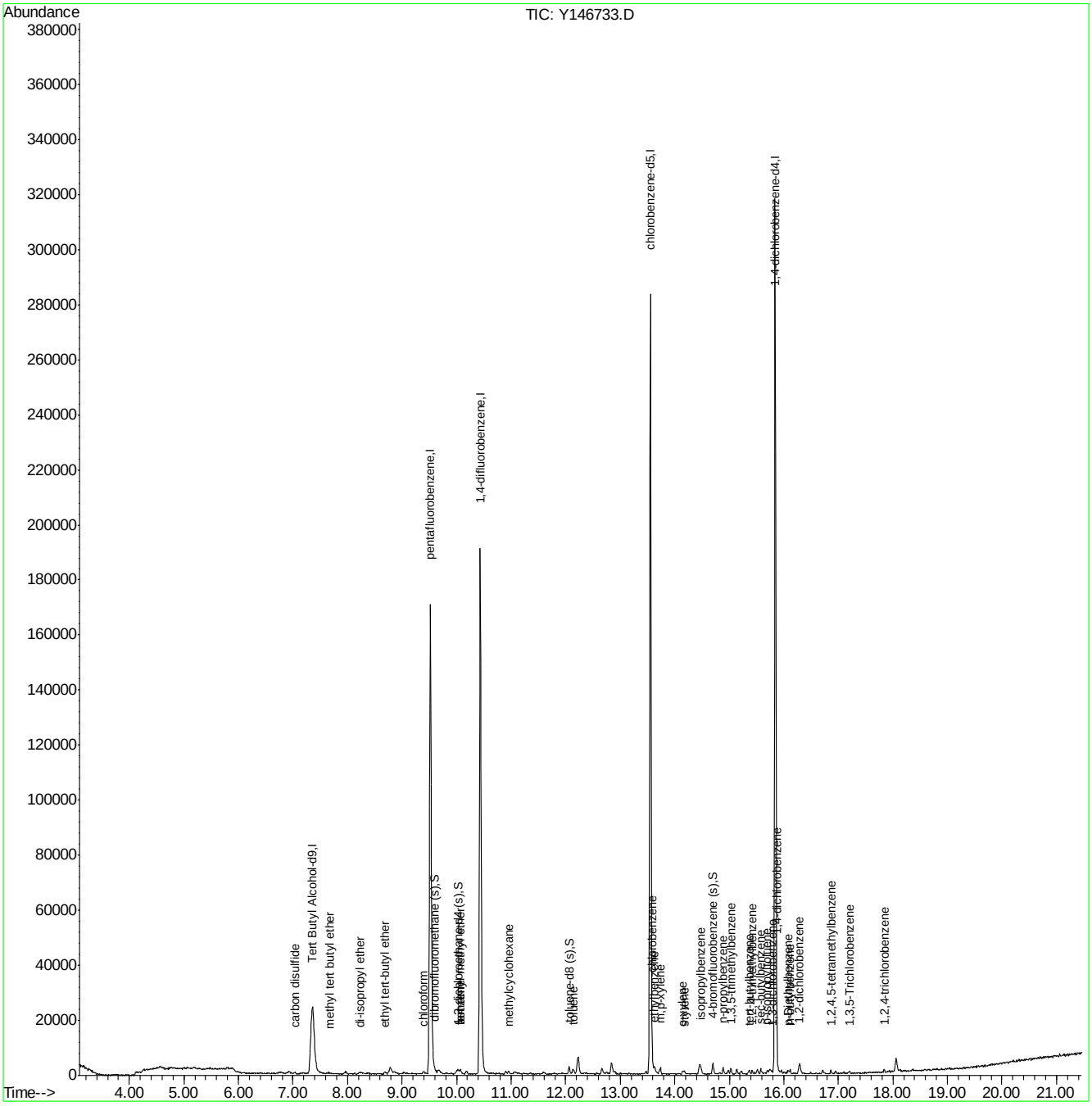
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	59489	500.00	ug/L		-0.01
5) pentafluorobenzene	9.52	168	163613	50.00	ug/L		-0.02
58) 1,4-difluorobenzene	10.43	114	196462	50.00	ug/L		-0.01
88) chlorobenzene-d5	13.56	117	172152	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.84	152	90195	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.59	113	736	0.43	ug/L		-0.02
Spiked Amount 50.000	Range 59 - 130		Recovery = 0.86%#				
51) 1,2-dichloroethane-d4 (s)	10.03	65	988	0.44	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 0.88%#				
80) toluene-d8 (s)	12.06	98	2266	0.50	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 1.00%#				
105) 4-bromofluorobenzene (s)	14.70	95	1199	0.70	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.40%#				
Target Compounds							Qvalue
28) carbon disulfide	7.03	76	846	0.20	ug/L		72
32) methyl tert butyl ether	7.67	73	750	0.15	ug/L		54
34) di-isopropyl ether	8.23	45	1069	0.25	ug/L		77
35) ethyl tert-butyl ether	8.69	59	898	0.19	ug/L		67
47) chloroform	9.39	83	767	0.25	ug/L		95
57) tert-amyl methyl ether	10.08	73	1034	0.21	ug/L		63
65) benzene	10.07	78	1127	0.22	ug/L		79
75) methylcyclohexane	10.95	83	437	0.26	ug/L		90
82) toluene	12.13	91	1607	0.31	ug/L		92
96) chlorobenzene	13.59	112	639	0.18	ug/L		79
98) ethylbenzene	13.63	91	1228	0.21	ug/L		92
99) m,p-xylene	13.73	106	1045	0.47	ug/L	#	55
100) o-xylene	14.15	91	985	0.20	ug/L		88
101) styrene	14.17	104	701	0.20	ug/L		92
104) isopropylbenzene	14.48	105	1400	0.25	ug/L		91
112) n-propylbenzene	14.89	91	1258	0.20	ug/L		91
116) 1,3,5-trimethylbenzene	15.03	105	1079	0.22	ug/L		90
117) tert-butylbenzene	15.37	119	717	0.18	ug/L		89
119) 1,2,4-trimethylbenzene	15.42	105	1078	0.23	ug/L		97
120) sec-butylbenzene	15.58	105	1345	0.23	ug/L		77
121) 1,3-dichlorobenzene	15.79	146	572	0.17	ug/L	#	70
122) p-isopropyltoluene	15.70	119	1029	0.21	ug/L		93
123) 1,4-dichlorobenzene	15.87	146	593	0.18	ug/L		73
124) 1,2-dichlorobenzene	16.27	146	449	0.14	ug/L		80
125) n-butylbenzene	16.11	92	476	0.20	ug/L	#	73
126) p-Diethylbenzene	16.08	119	650	0.24	ug/L	#	59
128) 1,3,5-Trichlorobenzene	17.21	180	500	0.19	ug/L	#	76
129) 1,2,4-trichlorobenzene	17.84	180	352	0.16	ug/L		82
130) 1,2,4,5-tetramethylbenzene	16.86	119	981	0.23	ug/L	#	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146733.D
Acq On : 24 Jun 2014 11:30 am
Operator : prashans
Sample : IC6377-0.2
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 14:34:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146734.D
Acq On : 24 Jun 2014 11:58 am
Operator : prashans
Sample : IC6377-0.5
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 14:38:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	57858	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	177108	50.00	ug/L		-0.01
58) 1,4-difluorobenzene	10.44	114	212902	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	185760	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	94022	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	955	0.51	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.02%#				
51) 1,2-dichloroethane-d4 (s)	10.02	65	1051	0.43	ug/L		-0.01
Spiked Amount 50.000	Range 65 - 123		Recovery = 0.86%#				
80) toluene-d8 (s)	12.06	98	2993	0.62	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 1.24%#				
105) 4-bromofluorobenzene (s)	14.70	95	1342	0.75	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 1.50%#				
Target Compounds							Qvalue
13) chloromethane	4.26	50	1355	0.73	ug/L		85
14) vinyl chloride	4.51	62	1183	0.70	ug/L		84
16) bromomethane	5.18	94	979	0.70	ug/L		78
17) chloroethane	5.36	64	502	0.65	ug/L		45
19) trichlorofluoromethane	5.80	101	1202	0.43	ug/L		81
23) 1,1-dichloroethene	6.64	61	1089	0.48	ug/L		80
28) carbon disulfide	7.04	76	2909	0.65	ug/L		90
32) methyl tert butyl ether	7.68	73	1946	0.36	ug/L		87
33) trans-1,2-dichloroethene	7.72	61	1054	0.47	ug/L		92
34) di-isopropyl ether	8.23	45	2407	0.51	ug/L		89
35) ethyl tert-butyl ether	8.69	59	2036	0.39	ug/L		98
37) 1,1-dichloroethane	8.30	63	1373	0.45	ug/L		85
38) chloroprene	8.38	53	894	0.42	ug/L		92
42) 2,2-dichloropropane	9.02	77	1168	0.42	ug/L		74
43) cis-1,2-dichloroethene	9.04	96	906	0.51	ug/L	#	71
47) chloroform	9.40	83	1689	0.51	ug/L		94
54) 1,1,1-trichloroethane	9.61	97	1117	0.37	ug/L		83
55) Cyclohexane	9.66	84	1151	0.59	ug/L	#	88
56) 2,2,4-trimethylpentane	10.02	57	2480	0.55	ug/L		87
57) tert-amyl methyl ether	10.07	73	2147	0.41	ug/L		97
61) carbon tetrachloride	9.82	117	956	0.42	ug/L		92
62) 1,1-dichloropropene	9.80	75	1020	0.57	ug/L		89
65) benzene	10.07	78	3172	0.58	ug/L		91
68) 1,2-dichloroethane	10.13	62	655	0.25	ug/L	#	47
69) trichloroethene	10.77	95	754	0.51	ug/L		95
72) 2-chloroethyl vinyl ether	11.59	63	1111	8.37	ug/L		92
74) 1,2-dichloropropane	11.06	63	752	0.58	ug/L		68
75) methylcyclohexane	10.95	83	1152	0.64	ug/L		86
76) Tert-amyl ethyl ether	10.91	59	1731	0.56	ug/L	#	91
78) bromodichloromethane	11.35	83	883	0.36	ug/L		92
79) cis-1,3-dichloropropene	11.80	75	1123	0.47	ug/L		94
82) toluene	12.13	91	3864	0.68	ug/L		99
84) trans-1,3-dichloropropene	12.37	75	845	0.35	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146734.D
Acq On : 24 Jun 2014 11:58 am
Operator : prashans
Sample : IC6377-0.5
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 14:38:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

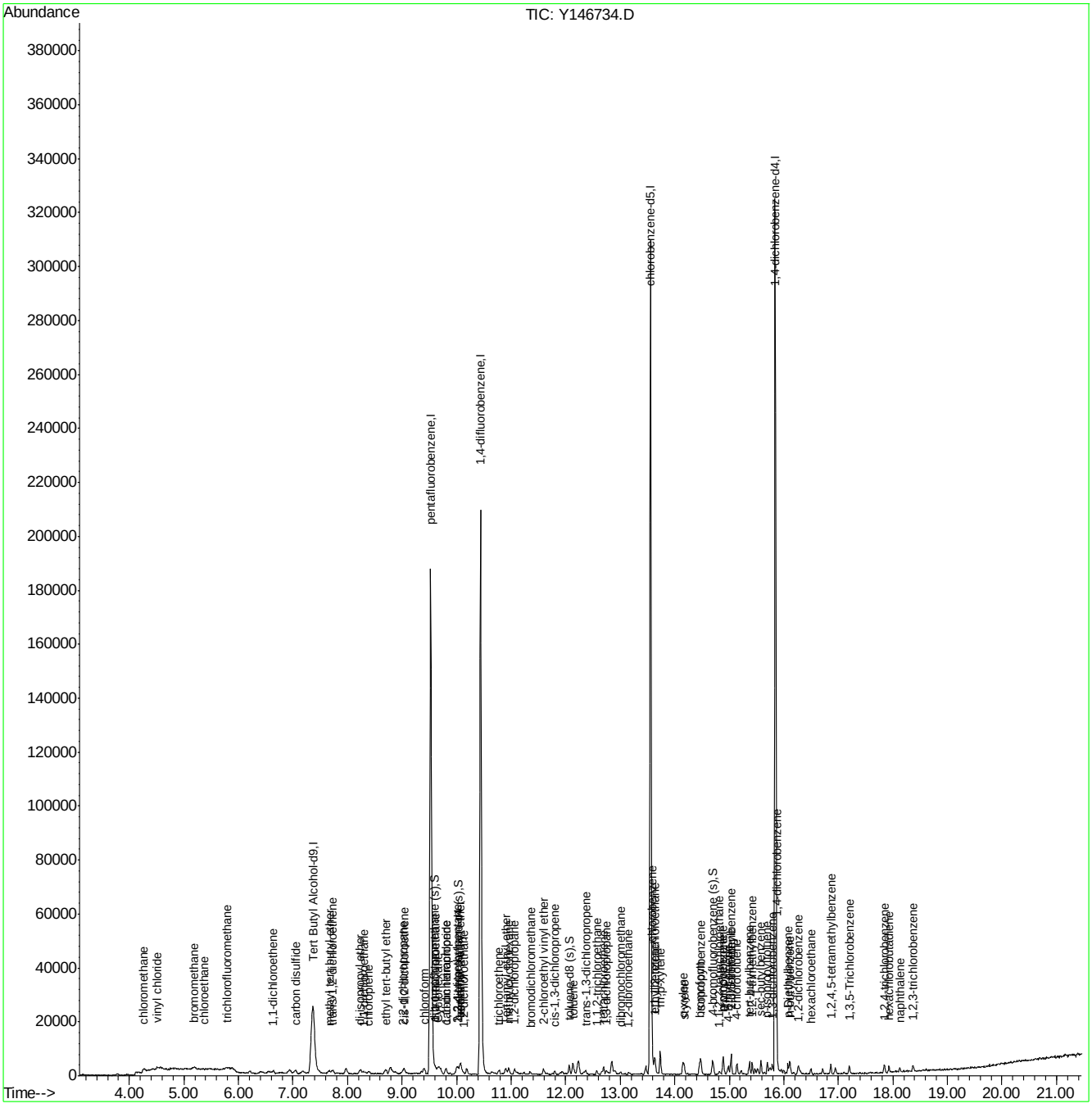
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
86) 1,1,2-trichloroethane	12.57	83	463	0.44	ug/L		97
89) tetrachloroethene	12.69	166	914	0.55	ug/L		94
90) 1,3-dichloropropane	12.76	76	871	0.43	ug/L		88
92) dibromochloromethane	13.01	129	732	0.39	ug/L		81
93) 1,2-dibromoethane	13.16	107	571	0.43	ug/L		91
96) chlorobenzene	13.59	112	2061	0.53	ug/L		86
97) 1,1,1,2-tetrachloroethane	13.65	131	656	0.38	ug/L		90
98) ethylbenzene	13.63	91	3938	0.61	ug/L		95
99) m,p-xylene	13.73	106	2998	1.26	ug/L		79
100) o-xylene	14.15	91	2920	0.56	ug/L		92
101) styrene	14.17	104	1950	0.52	ug/L		90
102) bromoform	14.46	173	473	0.36	ug/L		87
104) isopropylbenzene	14.48	105	3730	0.64	ug/L		93
107) bromobenzene	14.90	156	821	0.44	ug/L		81
109) 1,1,2,2-tetrachloroethane	14.81	83	838	0.54	ug/L		74
112) n-propylbenzene	14.89	91	4231	0.65	ug/L		95
113) 4-Ethyltoluene	14.98	105	2897	0.57	ug/L		97
114) 2-chlorotoluene	15.04	126	822	0.54	ug/L	#	86
115) 4-chlorotoluene	15.14	91	2623	0.58	ug/L		92
116) 1,3,5-trimethylbenzene	15.03	105	3143	0.62	ug/L		99
117) tert-butylbenzene	15.37	119	2576	0.63	ug/L		92
119) 1,2,4-trimethylbenzene	15.42	105	2865	0.59	ug/L		91
120) sec-butylbenzene	15.58	105	4024	0.67	ug/L		96
121) 1,3-dichlorobenzene	15.79	146	1651	0.47	ug/L		89
122) p-isopropyltoluene	15.70	119	3068	0.61	ug/L		94
123) 1,4-dichlorobenzene	15.87	146	1792	0.52	ug/L		89
124) 1,2-dichlorobenzene	16.27	146	1560	0.48	ug/L		84
125) n-butylbenzene	16.11	92	1626	0.65	ug/L		81
126) p-Diethylbenzene	16.08	119	1672	0.60	ug/L	#	81
128) 1,3,5-Trichlorobenzene	17.20	180	1387	0.52	ug/L	#	85
129) 1,2,4-trichlorobenzene	17.84	180	1093	0.48	ug/L		99
130) 1,2,4,5-tetramethylbenzene	16.86	119	2471	0.57	ug/L	#	96
131) hexachlorobutadiene	17.93	225	782	0.54	ug/L		91
132) naphthalene	18.13	128	2037	0.52	ug/L		87
133) 1,2,3-trichlorobenzene	18.37	180	984	0.49	ug/L		89
134) hexachloroethane	16.50	119	590	0.50	ug/L		91

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146734.D
Acq On : 24 Jun 2014 11:58 am
Operator : prashans
Sample : IC6377-0.5
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 14:38:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146735.D
Acq On : 24 Jun 2014 12:27 pm
Operator : prashans
Sample : IC6377-1
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 14:43:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	59972	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	173758	50.00	ug/L		-0.01
58) 1,4-difluorobenzene	10.44	114	209136	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	182071	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	94334	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.61	113	1761	0.96	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 1.92%#				
51) 1,2-dichloroethane-d4 (s)	10.03	65	1888	0.79	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 1.58%#				
80) toluene-d8 (s)	12.06	98	6015	1.26	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 2.52%#				
105) 4-bromofluorobenzene (s)	14.70	95	2343	1.30	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 2.60%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	237	18.58	ug/L	#	35
4) tertiary butyl alcohol	7.47	59	759	4.35	ug/L		44
11) chlorodifluoromethane	3.96	51	1216	0.88	ug/L	#	61
12) dichlorodifluoromethane	3.95	85	1511	0.76	ug/L		90
13) chloromethane	4.27	50	2286	1.26	ug/L		96
14) vinyl chloride	4.51	62	1881	1.13	ug/L		88
16) bromomethane	5.18	94	1653	1.21	ug/L		74
17) chloroethane	5.36	64	810	1.08	ug/L		54
19) trichlorofluoromethane	5.81	101	2195	0.79	ug/L		80
20) ethyl ether	6.20	74	671	0.86	ug/L		85
22) acrolein	6.51	56	535185	2105.24	ug/L		99
23) 1,1-dichloroethene	6.63	61	1859	0.83	ug/L		91
27) iodomethane	6.93	142	2360	0.81	ug/L		85
28) carbon disulfide	7.04	76	4591	1.05	ug/L		95
32) methyl tert butyl ether	7.68	73	4240	0.80	ug/L		89
33) trans-1,2-dichloroethene	7.72	61	1805	0.82	ug/L		95
34) di-isopropyl ether	8.24	45	4982	1.08	ug/L		96
35) ethyl tert-butyl ether	8.70	59	4765	0.93	ug/L		90
37) 1,1-dichloroethane	8.31	63	2505	0.84	ug/L		96
38) chloroprene	8.39	53	1758	0.83	ug/L		90
39) acrylonitrile	7.79	53	1945	5.03	ug/L		90
42) 2,2-dichloropropane	9.02	77	2116	0.77	ug/L		87
43) cis-1,2-dichloroethene	9.04	96	1660	0.94	ug/L		99
44) propionitrile	9.18	54	1215	7.33	ug/L		88
45) bromochloromethane	9.36	130	979	0.81	ug/L		89
47) chloroform	9.40	83	2939	0.90	ug/L		91
48) tert-Butyl Formate	9.41	59	852	1.03	ug/L	#	57
54) 1,1,1-trichloroethane	9.62	97	1925	0.64	ug/L		76
55) Cyclohexane	9.67	84	2022	1.05	ug/L	#	92
56) 2,2,4-trimethylpentane	10.01	57	5449	1.23	ug/L		94
57) tert-amyl methyl ether	10.08	73	4814	0.93	ug/L		91
59) epichlorohydrin	11.74	57	570	5.37	ug/L		53
60) n-butyl alcohol	10.64	56	1816	61.75	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146735.D
Acq On : 24 Jun 2014 12:27 pm
Operator : prashans
Sample : IC6377-1
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 14:43:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
61) carbon tetrachloride	9.81	117	1817	0.82 ug/L		88
62) 1,1-dichloropropene	9.80	75	1703	0.97 ug/L		95
65) benzene	10.07	78	5848	1.09 ug/L		98
66) heptane	10.19	57	1186	1.62 ug/L		95
68) 1,2-dichloroethane	10.12	62	1585	0.62 ug/L		93
69) trichloroethene	10.77	95	1398	0.97 ug/L		91
72) 2-chloroethyl vinyl ether	11.59	63	2636	20.22 ug/L		96
74) 1,2-dichloropropane	11.06	63	1529	1.19 ug/L		80
75) methylcyclohexane	10.96	83	2394	1.35 ug/L		89
76) Tert-amyl ethyl ether	10.89	59	3224	1.05 ug/L	#	92
77) dibromomethane	11.23	93	742	0.75 ug/L		84
78) bromodichloromethane	11.34	83	1945	0.80 ug/L		92
79) cis-1,3-dichloropropene	11.80	75	2443	1.03 ug/L		95
82) toluene	12.13	91	6398	1.15 ug/L		98
84) trans-1,3-dichloropropene	12.36	75	2031	0.87 ug/L		97
85) ethyl methacrylate	12.33	69	1641	1.13 ug/L		95
86) 1,1,2-trichloroethane	12.57	83	1057	1.02 ug/L		95
89) tetrachloroethene	12.70	166	1533	0.94 ug/L		97
90) 1,3-dichloropropane	12.75	76	2116	1.07 ug/L		95
92) dibromochloromethane	13.01	129	1488	0.81 ug/L		98
93) 1,2-dibromoethane	13.16	107	1234	0.94 ug/L		99
94) 3,3-Dimethyl-1-Butanol	12.90	57	1509	14.81 ug/L	#	68
96) chlorobenzene	13.59	112	4078	1.08 ug/L		87
97) 1,1,1,2-tetrachloroethane	13.65	131	1418	0.84 ug/L		73
98) ethylbenzene	13.63	91	6708	1.06 ug/L		94
99) m,p-xylene	13.73	106	5191	2.23 ug/L		87
100) o-xylene	14.15	91	5290	1.03 ug/L		94
101) styrene	14.17	104	4083	1.11 ug/L		93
102) bromoform	14.46	173	1008	0.78 ug/L		87
104) isopropylbenzene	14.48	105	6413	1.10 ug/L		97
107) bromobenzene	14.90	156	1792	0.96 ug/L		88
108) cyclohexanone	14.69	55	3068	19.92 ug/L		92
109) 1,1,2,2-tetrachloroethane	14.82	83	1829	1.17 ug/L		85
111) 1,2,3-trichloropropane	14.90	110	390	0.94 ug/L		82
112) n-propylbenzene	14.88	91	7303	1.11 ug/L		99
113) 4-Ethyltoluene	14.98	105	5803	1.13 ug/L		98
114) 2-chlorotoluene	15.04	126	1534	1.01 ug/L		99
115) 4-chlorotoluene	15.14	91	4690	1.04 ug/L		95
116) 1,3,5-trimethylbenzene	15.03	105	5282	1.04 ug/L		96
117) tert-butylbenzene	15.37	119	4493	1.10 ug/L		88
118) pentachloroethane	15.48	167	1079	0.87 ug/L		85
119) 1,2,4-trimethylbenzene	15.42	105	5284	1.09 ug/L		93
120) sec-butylbenzene	15.58	105	6903	1.15 ug/L		99
121) 1,3-dichlorobenzene	15.79	146	3229	0.93 ug/L		98
122) p-isopropyltoluene	15.70	119	5856	1.15 ug/L		89
123) 1,4-dichlorobenzene	15.87	146	3472	1.01 ug/L		95
124) 1,2-dichlorobenzene	16.27	146	3189	0.98 ug/L		96
125) n-butylbenzene	16.11	92	2810	1.11 ug/L		88
126) p-Diethylbenzene	16.08	119	3268	1.17 ug/L	#	78
128) 1,3,5-Trichlorobenzene	17.20	180	2681	1.00 ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146735.D
Acq On : 24 Jun 2014 12:27 pm
Operator : prashans
Sample : IC6377-1
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 14:43:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
129) 1,2,4-trichlorobenzene	17.84	180	2242	0.98	ug/L	89
130) 1,2,4,5-tetramethylbenzene	16.86	119	4738	1.08	ug/L	95
131) hexachlorobutadiene	17.93	225	1374	0.94	ug/L	91
132) naphthalene	18.13	128	4156	1.06	ug/L	95
133) 1,2,3-trichlorobenzene	18.37	180	2041	1.02	ug/L	96
134) hexachloroethane	16.50	119	1112	0.93	ug/L	92
135) Benzyl chloride	16.00	91	3234	1.12	ug/L	96

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

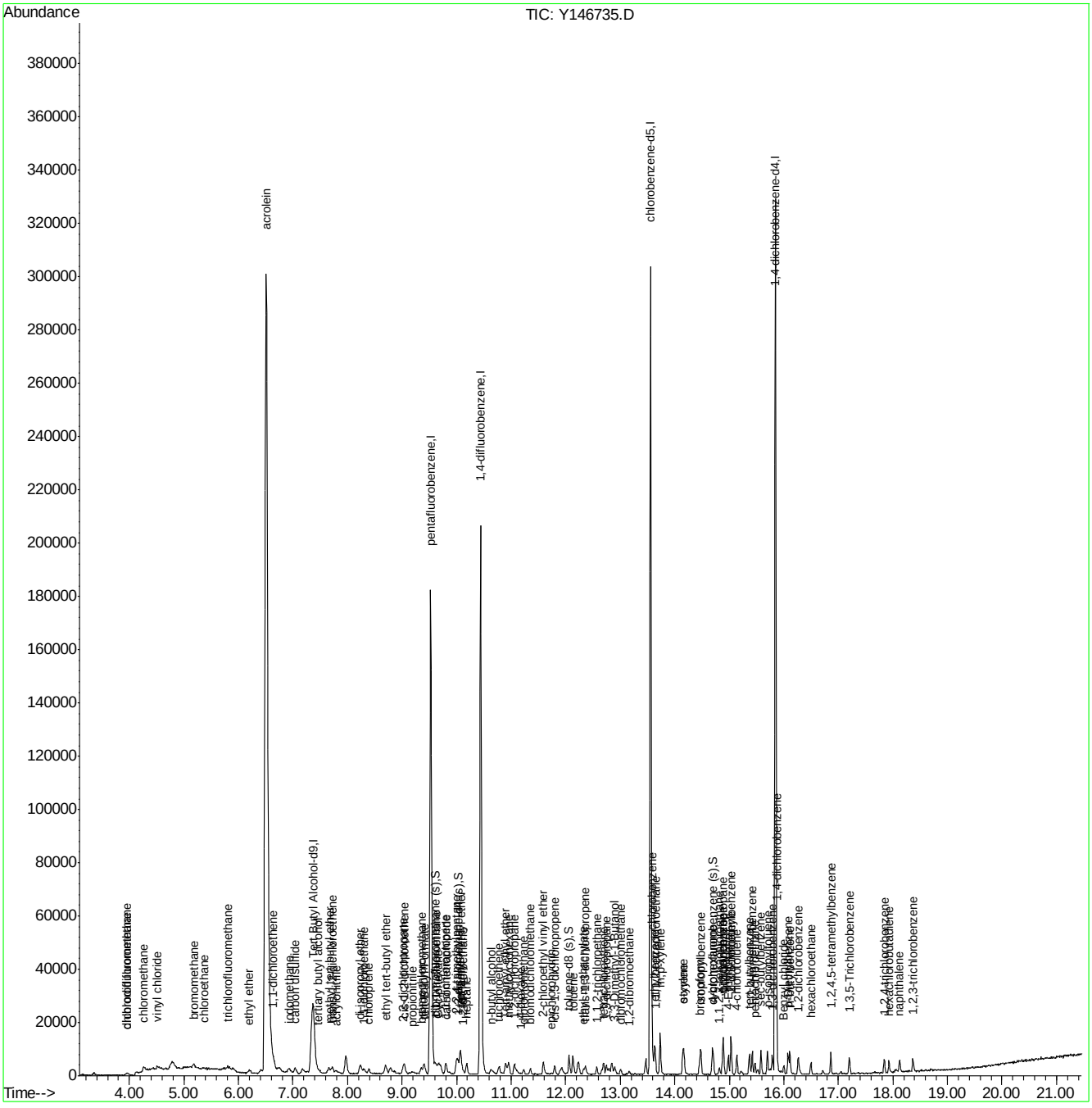
7.7.14

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146735.D
Acq On : 24 Jun 2014 12:27 pm
Operator : prashans
Sample : IC6377-1
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 24 14:43:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146736.D
Acq On : 24 Jun 2014 12:56 pm
Operator : prashans
Sample : IC6377-2
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 14:52:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	55673	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	169892	50.00	ug/L		-0.01
58) 1,4-difluorobenzene	10.44	114	206825	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	181126	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	92632	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.61	113	3206	1.80	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery =	3.60%#			
51) 1,2-dichloroethane-d4 (s)	10.03	65	3270	1.40	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery =	2.80%#			
80) toluene-d8 (s)	12.06	98	10833	2.29	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery =	4.58%#			
105) 4-bromofluorobenzene (s)	14.70	95	4213	2.38	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery =	4.76%#			
Target Compounds							Qvalue
4) tertiary butyl alcohol	7.48	59	1432	8.83	ug/L	#	64
11) chlorodifluoromethane	3.97	51	2217	1.64	ug/L	#	86
12) dichlorodifluoromethane	3.94	85	2402	1.23	ug/L		90
13) chloromethane	4.26	50	3338	1.88	ug/L		96
14) vinyl chloride	4.51	62	2882	1.77	ug/L		91
16) bromomethane	5.18	94	2508	1.87	ug/L		90
17) chloroethane	5.36	64	1384	1.88	ug/L		79
19) trichlorofluoromethane	5.80	101	3372	1.24	ug/L		86
20) ethyl ether	6.20	74	1312	1.72	ug/L		81
21) 2-chloropropane	6.42	63	914	1.79	ug/L	#	35
22) acrolein	6.51	56	261460	1051.90	ug/L		99
23) 1,1-dichloroethene	6.64	61	3484	1.59	ug/L		96
27) iodomethane	6.93	142	4496	1.58	ug/L		83
28) carbon disulfide	7.04	76	8322	1.94	ug/L		92
30) methylene chloride	7.38	49	10499	4.62	ug/L		93
32) methyl tert butyl ether	7.66	73	7764	1.51	ug/L		94
33) trans-1,2-dichloroethene	7.72	61	3527	1.63	ug/L		95
34) di-isopropyl ether	8.23	45	8823	1.96	ug/L		92
35) ethyl tert-butyl ether	8.70	59	8335	1.66	ug/L		97
37) 1,1-dichloroethane	8.30	63	4472	1.53	ug/L		97
38) chloroprene	8.39	53	3105	1.51	ug/L		92
39) acrylonitrile	7.78	53	3771	9.97	ug/L		82
42) 2,2-dichloropropane	9.02	77	3657	1.36	ug/L		95
43) cis-1,2-dichloroethene	9.04	96	3029	1.76	ug/L	#	71
44) propionitrile	9.19	54	2890	17.83	ug/L		71
45) bromochloromethane	9.36	130	1861	1.58	ug/L		94
47) chloroform	9.40	83	4737	1.48	ug/L		97
48) tert-Butyl Formate	9.41	59	1665	2.06	ug/L		86
49) isobutyl alcohol	9.86	41	1046	22.56	ug/L	#	74
52) freon 113	6.57	151	1563	1.55	ug/L		77
54) 1,1,1-trichloroethane	9.62	97	3466	1.18	ug/L		89
55) Cyclohexane	9.67	84	3812	2.03	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	9677	2.24	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146736.D
Acq On : 24 Jun 2014 12:56 pm
Operator : prashans
Sample : IC6377-2
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 14:52:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
57) tert-amyl methyl ether	10.08	73	8213	1.63	ug/L		95
59) epichlorohydrin	11.74	57	1127	10.74	ug/L		53
60) n-butyl alcohol	10.63	56	3268	112.36	ug/L		96
61) carbon tetrachloride	9.82	117	3147	1.43	ug/L		96
62) 1,1-dichloropropene	9.80	75	3200	1.84	ug/L		90
63) hexane	7.97	57	4984	4.37	ug/L		98
64) Tert Amyl Alcohol	9.97	73	757	10.81	ug/L	#	68
65) benzene	10.07	78	10635	2.01	ug/L		98
66) heptane	10.18	57	2116	2.92	ug/L		91
67) isopropyl acetate	9.99	61	940	2.05	ug/L	#	84
68) 1,2-dichloroethane	10.11	62	2997	1.19	ug/L		94
69) trichloroethene	10.78	95	2487	1.74	ug/L		87
71) 2-nitropropane	11.59	41	959	2.19	ug/L	#	4
72) 2-chloroethyl vinyl ether	11.58	63	4936	38.28	ug/L		92
73) methyl methacrylate	11.07	69	1556	2.10	ug/L		86
74) 1,2-dichloropropane	11.06	63	2739	2.16	ug/L		84
75) methylcyclohexane	10.96	83	4192	2.38	ug/L		91
76) Tert-amyl ethyl ether	10.90	59	5970	1.97	ug/L	#	96
77) dibromomethane	11.23	93	1608	1.65	ug/L		89
78) bromodichloromethane	11.35	83	3550	1.48	ug/L		96
79) cis-1,3-dichloropropene	11.79	75	4481	1.91	ug/L		94
81) 4-methyl-2-pentanone	11.89	58	882	2.07	ug/L	#	41
82) toluene	12.13	91	11792	2.14	ug/L		95
83) 3-methyl-1-butanol	11.93	70	1204	41.72	ug/L		91
84) trans-1,3-dichloropropene	12.36	75	3923	1.70	ug/L		92
85) ethyl methacrylate	12.33	69	2997	2.08	ug/L		91
86) 1,1,2-trichloroethane	12.57	83	1993	1.94	ug/L		98
87) 2-hexanone	12.74	58	856	2.33	ug/L	#	68
89) tetrachloroethene	12.70	166	2780	1.72	ug/L		94
90) 1,3-dichloropropane	12.75	76	3646	1.85	ug/L		94
91) butyl acetate	12.79	56	1379	2.12	ug/L	#	46
92) dibromochloromethane	13.01	129	2850	1.56	ug/L		94
93) 1,2-dibromoethane	13.16	107	2289	1.76	ug/L		92
94) 3,3-Dimethyl-1-Butanol	12.90	57	2555	25.21	ug/L	#	70
96) chlorobenzene	13.59	112	7380	1.96	ug/L		90
97) 1,1,1,2-tetrachloroethane	13.65	131	2640	1.57	ug/L		89
98) ethylbenzene	13.63	91	12297	1.96	ug/L		96
99) m,p-xylene	13.73	106	9387	4.05	ug/L		84
100) o-xylene	14.15	91	9631	1.88	ug/L		98
101) styrene	14.17	104	7592	2.07	ug/L		92
102) bromoform	14.46	173	1925	1.50	ug/L		86
104) isopropylbenzene	14.48	105	11334	1.98	ug/L		99
107) bromobenzene	14.89	156	3284	1.80	ug/L		96
108) cyclohexanone	14.69	55	5467	36.16	ug/L		86
109) 1,1,2,2-tetrachloroethane	14.82	83	3316	2.16	ug/L		91
110) trans-1,4-dichloro-2-buten	14.87	53	700	1.69	ug/L	#	59
111) 1,2,3-trichloropropane	14.90	110	720	1.77	ug/L		94
112) n-propylbenzene	14.88	91	13106	2.03	ug/L		99
113) 4-Ethyltoluene	14.98	105	10023	1.99	ug/L	#	95
114) 2-chlorotoluene	15.04	126	2970	1.99	ug/L	#	71

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146736.D
Acq On : 24 Jun 2014 12:56 pm
Operator : prashans
Sample : IC6377-2
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 14:52:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration

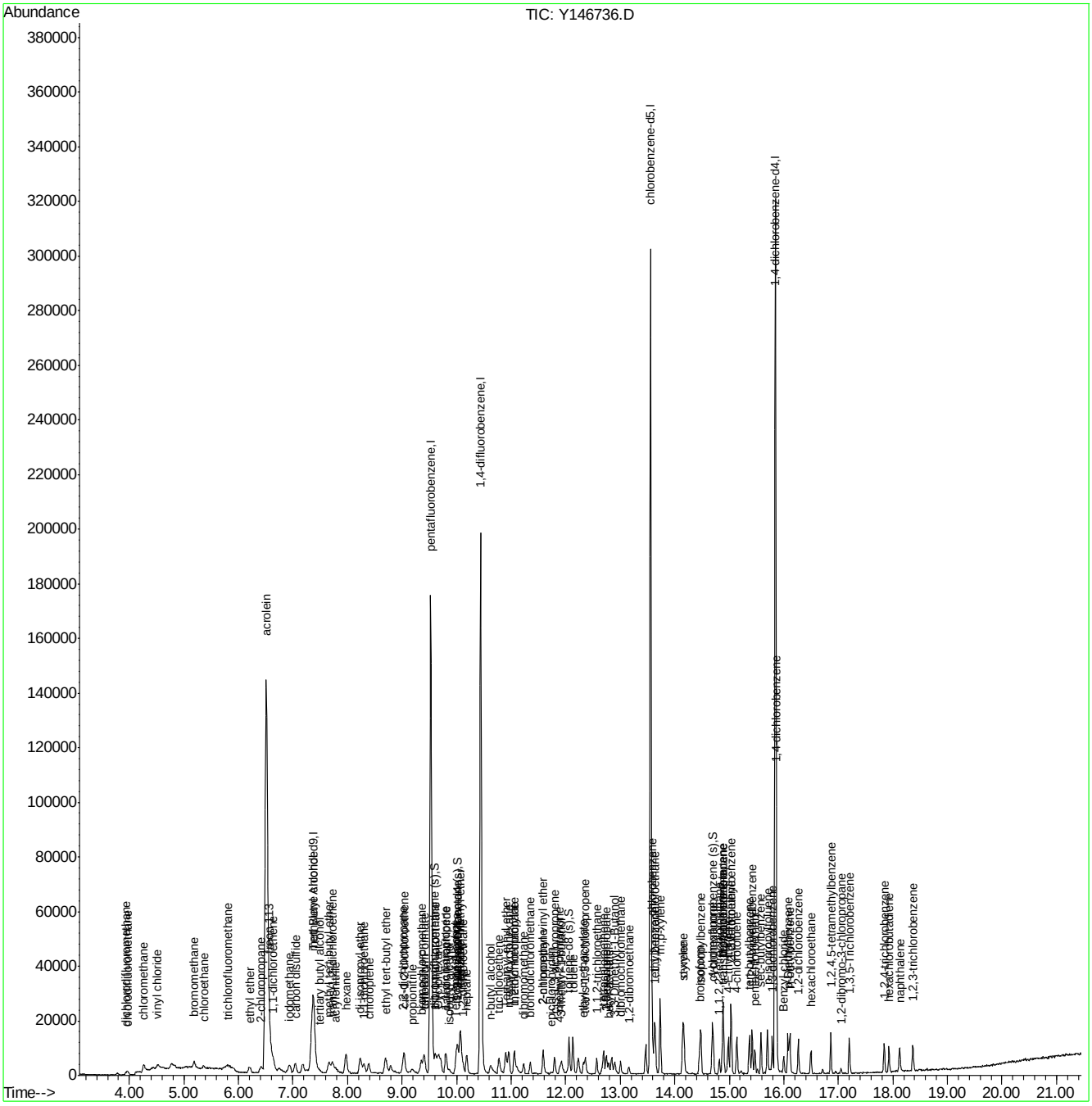
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
115) 4-chlorotoluene	15.14	91	8574	1.94	ug/L		95
116) 1,3,5-trimethylbenzene	15.03	105	9604	1.92	ug/L		89
117) tert-butylbenzene	15.37	119	7809	1.94	ug/L		89
118) pentachloroethane	15.47	167	1977	1.63	ug/L		97
119) 1,2,4-trimethylbenzene	15.42	105	9424	1.97	ug/L		87
120) sec-butylbenzene	15.58	105	11836	2.01	ug/L		97
121) 1,3-dichlorobenzene	15.79	146	6150	1.79	ug/L		97
122) p-isopropyltoluene	15.70	119	10276	2.06	ug/L		90
123) 1,4-dichlorobenzene	15.87	146	6443	1.90	ug/L		97
124) 1,2-dichlorobenzene	16.27	146	5806	1.82	ug/L		96
125) n-butylbenzene	16.11	92	5203	2.10	ug/L		95
126) p-Diethylbenzene	16.08	119	5629	2.05	ug/L	#	75
127) 1,2-dibromo-3-chloropropan	17.06	157	558	1.75	ug/L	#	78
128) 1,3,5-Trichlorobenzene	17.20	180	4933	1.87	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	4122	1.84	ug/L		97
130) 1,2,4,5-tetramethylbenzene	16.86	119	8872	2.07	ug/L		98
131) hexachlorobutadiene	17.93	225	2424	1.70	ug/L		97
132) naphthalene	18.13	128	8278	2.16	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	3865	1.96	ug/L		97
134) hexachloroethane	16.50	119	1992	1.70	ug/L		96
135) Benzyl chloride	16.00	91	5501	1.94	ug/L		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146736.D
Acq On : 24 Jun 2014 12:56 pm
Operator : prashans
Sample : IC6377-2
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 14:52:41 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:19:47 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146737.D
Acq On : 24 Jun 2014 1:25 pm
Operator : prashans
Sample : IC6377-5
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 11:08:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	61905	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	177420	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	215095	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	182964	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	94626	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	7021	5.07	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 10.14%#				
51) 1,2-dichloroethane-d4 (s)	10.03	65	7604	5.19	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 10.38%#				
80) toluene-d8 (s)	12.06	98	25527	5.13	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 10.26%#				
105) 4-bromofluorobenzene (s)	14.70	95	9296	4.90	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 9.80%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	1814	122.38	ug/L	#	95
4) tertiary butyl alcohol	7.47	59	4332	26.42	ug/L		84
11) chlorodifluoromethane	3.96	51	5484	4.76	ug/L		96
12) dichlorodifluoromethane	3.94	85	6847	5.08	ug/L		97
13) chloromethane	4.27	50	9409	4.95	ug/L		99
14) vinyl chloride	4.51	62	8716	5.13	ug/L		96
16) bromomethane	5.19	94	6572	4.99	ug/L		96
17) chloroethane	5.37	64	4017	5.13	ug/L		85
19) trichlorofluoromethane	5.81	101	9109	5.00	ug/L		92
20) ethyl ether	6.20	74	3764	5.10	ug/L		98
21) 2-chloropropane	6.40	63	2549	4.95	ug/L		74
22) acrolein	6.52	56	16519	58.74	ug/L		87
23) 1,1-dichloroethene	6.64	61	9461	5.04	ug/L		97
24) acetone	6.75	43	4839	6.44	ug/L		99
25) allyl chloride	7.18	76	3483	5.22	ug/L		77
26) acetonitrile	7.25	40	6391	60.12	ug/L	#	72
27) iodomethane	6.93	142	11987	5.05	ug/L		99
28) carbon disulfide	7.04	76	21937	4.90	ug/L		98
29) 1-chloropropane	7.38	42	16421	4.53	ug/L	#	84
30) methylene chloride	7.38	49	14960	4.63	ug/L		95
31) methyl acetate	7.20	74	778	4.04	ug/L	#	58
32) methyl tert butyl ether	7.66	73	20537	5.03	ug/L		98
33) trans-1,2-dichloroethene	7.72	61	9401	4.99	ug/L		98
34) di-isopropyl ether	8.24	45	22763	4.66	ug/L		97
35) ethyl tert-butyl ether	8.70	59	21679	4.75	ug/L		99
36) 2-butanone	9.04	72	899	4.76	ug/L	#	61
37) 1,1-dichloroethane	8.30	63	12272	5.01	ug/L		97
38) chloroprene	8.38	53	8517	4.90	ug/L		95
39) acrylonitrile	7.76	53	11614	25.77	ug/L		98
40) vinyl acetate	8.31	86	658	3.44	ug/L	#	15
41) ethyl acetate	9.02	45	862	4.27	ug/L	#	10
42) 2,2-dichloropropane	9.02	77	9356	4.89	ug/L		96
43) cis-1,2-dichloroethene	9.04	96	7715	4.87	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146737.D
Acq On : 24 Jun 2014 1:25 pm
Operator : prashans
Sample : IC6377-5
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 11:08:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.17	54	9211	51.07	ug/L		84
45) bromochloromethane	9.35	130	4904	4.98	ug/L		89
46) tetrahydrofuran	9.38	72	904	5.04	ug/L	#	87
47) chloroform	9.40	83	12186	4.95	ug/L		99
48) tert-Butyl Formate	9.41	59	4414	4.78	ug/L		97
49) isobutyl alcohol	9.86	41	2966	55.61	ug/L	#	91
52) freon 113	6.58	151	4534	5.05	ug/L		97
53) methacrylonitrile	9.33	67	2542	4.85	ug/L		94
54) 1,1,1-trichloroethane	9.62	97	9441	4.93	ug/L		97
55) Cyclohexane	9.67	84	9909	5.07	ug/L	#	95
56) 2,2,4-trimethylpentane	10.01	57	25192	5.00	ug/L		91
57) tert-amyl methyl ether	10.07	73	21428	4.82	ug/L		97
59) epichlorohydrin	11.73	57	3310	25.07	ug/L		92
60) n-butyl alcohol	10.61	56	10380	249.15	ug/L		93
61) carbon tetrachloride	9.81	117	8508	4.95	ug/L		94
62) 1,1-dichloropropene	9.80	75	8577	4.91	ug/L		100
63) hexane	7.97	57	10003	5.61	ug/L		97
64) Tert Amyl Alcohol	9.97	73	2353	27.18	ug/L	#	75
65) benzene	10.07	78	27602	4.85	ug/L		98
66) heptane	10.19	57	5502	5.21	ug/L		88
67) isopropyl acetate	9.99	61	2685	4.80	ug/L		94
68) 1,2-dichloroethane	10.11	62	8201	5.11	ug/L		98
69) trichloroethene	10.77	95	6945	5.03	ug/L		97
70) ethyl acrylate	10.79	55	6953	4.26	ug/L		98
71) 2-nitropropane	11.58	41	2363	5.24	ug/L	#	71
72) 2-chloroethyl vinyl ether	11.58	63	14086	23.99	ug/L		98
73) methyl methacrylate	11.05	69	4550	5.01	ug/L		93
74) 1,2-dichloropropane	11.06	63	7301	4.98	ug/L		96
75) methylcyclohexane	10.96	83	11202	4.93	ug/L		97
76) Tert-amyl ethyl ether	10.90	59	16259	4.82	ug/L		98
77) dibromomethane	11.23	93	4304	5.06	ug/L		97
78) bromodichloromethane	11.35	83	9395	4.97	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	11842	4.96	ug/L		97
81) 4-methyl-2-pentanone	11.89	58	2629	4.99	ug/L	#	84
82) toluene	12.13	91	29617	4.84	ug/L		99
83) 3-methyl-1-butanol	11.92	70	3977	102.02	ug/L		97
84) trans-1,3-dichloropropene	12.36	75	10706	5.14	ug/L		98
85) ethyl methacrylate	12.32	69	8589	4.99	ug/L		93
86) 1,1,2-trichloroethane	12.57	83	5443	5.13	ug/L		97
87) 2-hexanone	12.74	58	3003	5.12	ug/L		98
89) tetrachloroethene	12.70	166	7946	5.09	ug/L		98
90) 1,3-dichloropropane	12.75	76	9797	5.05	ug/L		97
91) butyl acetate	12.79	56	4066	4.57	ug/L	#	74
92) dibromochloromethane	13.00	129	7595	5.02	ug/L		95
93) 1,2-dibromoethane	13.15	107	6500	5.21	ug/L		95
94) 3,3-Dimethyl-1-Butanol	12.90	57	7482	51.25	ug/L	#	98
96) chlorobenzene	13.59	112	19470	5.06	ug/L		96
97) 1,1,1,2-tetrachloroethane	13.65	131	7101	5.13	ug/L		97
98) ethylbenzene	13.63	91	31311	4.89	ug/L		96
99) m,p-xylene	13.73	106	24764	9.83	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146737.D
Acq On : 24 Jun 2014 1:25 pm
Operator : prashans
Sample : IC6377-5
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 11:08:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration

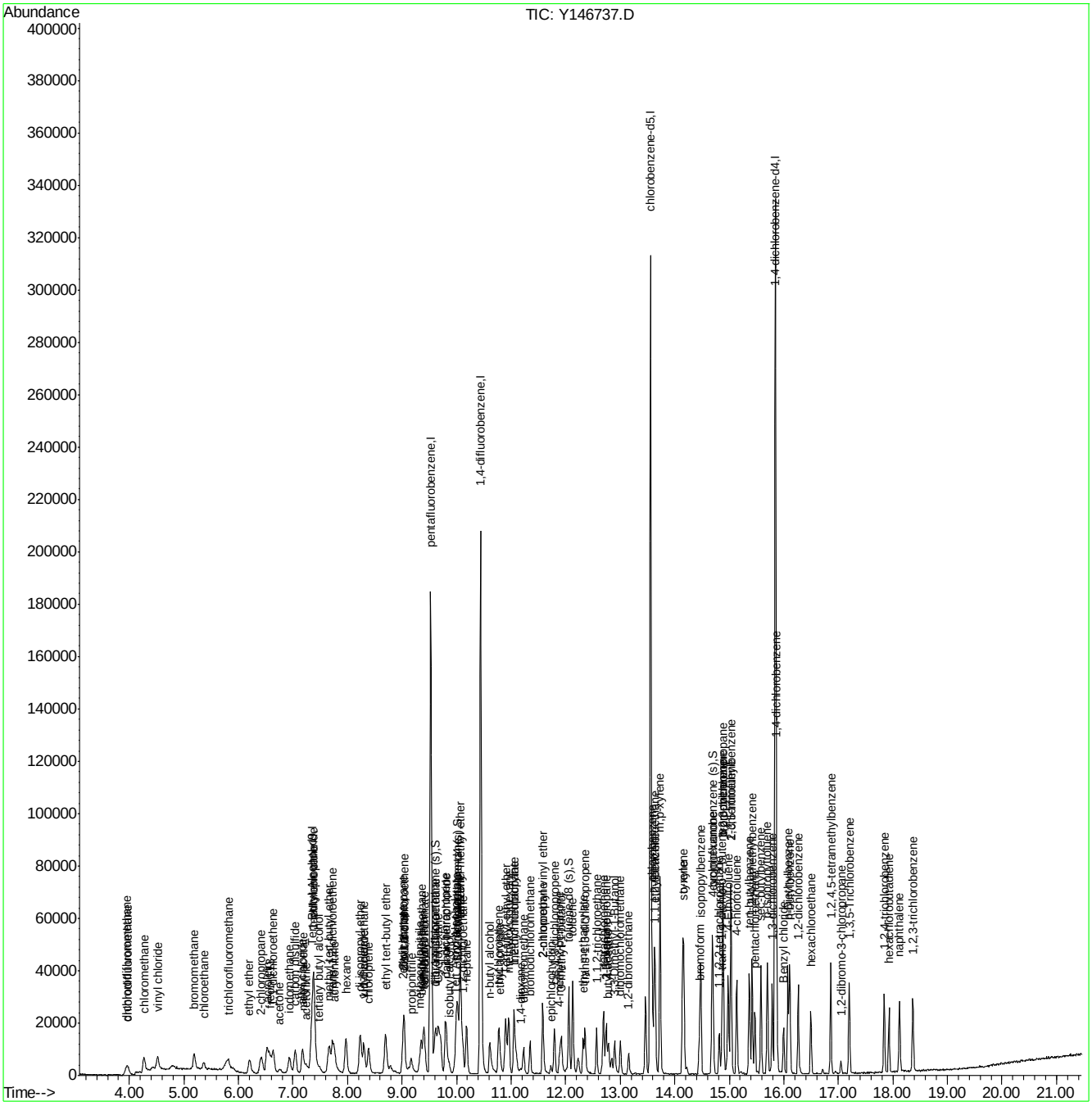
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) o-xylene	14.15	91	25812	5.05	ug/L		97
101) styrene	14.17	104	20225	5.00	ug/L		99
102) bromoform	14.45	173	5426	5.19	ug/L		95
104) isopropylbenzene	14.48	105	30534	4.91	ug/L		97
107) bromobenzene	14.89	156	8737	5.08	ug/L		94
108) cyclohexanone	14.69	55	16950	55.93	ug/L		100
109) 1,1,2,2-tetrachloroethane	14.82	83	9134	5.27	ug/L		98
110) trans-1,4-dichloro-2-buten	14.86	53	2196	5.30	ug/L		95
111) 1,2,3-trichloropropane	14.89	110	1965	5.21	ug/L		92
112) n-propylbenzene	14.88	91	34954	5.01	ug/L		99
113) 4-Ethyltoluene	14.98	105	27906	4.91	ug/L		98
114) 2-chlorotoluene	15.04	126	7735	5.09	ug/L		96
115) 4-chlorotoluene	15.14	91	22462	4.97	ug/L		99
116) 1,3,5-trimethylbenzene	15.03	105	25220	4.89	ug/L		100
117) tert-butylbenzene	15.37	119	20898	4.98	ug/L		98
118) pentachloroethane	15.47	167	5135	4.94	ug/L		95
119) 1,2,4-trimethylbenzene	15.42	105	25342	4.98	ug/L		98
120) sec-butylbenzene	15.58	105	32913	4.97	ug/L		95
121) 1,3-dichlorobenzene	15.79	146	16133	5.08	ug/L		99
122) p-isopropyltoluene	15.70	119	27477	5.02	ug/L		100
123) 1,4-dichlorobenzene	15.87	146	16345	4.96	ug/L		98
124) 1,2-dichlorobenzene	16.27	146	15527	5.09	ug/L		97
125) n-butylbenzene	16.11	92	14316	5.06	ug/L		98
126) p-Diethylbenzene	16.08	119	15608	4.88	ug/L	#	78
127) 1,2-dibromo-3-chloropropan	17.05	157	1792	5.41	ug/L		97
128) 1,3,5-Trichlorobenzene	17.20	180	12950	4.98	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	11060	5.08	ug/L		96
130) 1,2,4,5-tetramethylbenzene	16.86	119	23382	4.79	ug/L		99
131) hexachlorobutadiene	17.93	225	6532	4.98	ug/L		97
132) naphthalene	18.12	128	23022	5.19	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	10205	5.04	ug/L		99
134) hexachloroethane	16.50	119	5439	5.06	ug/L		97
135) Benzyl chloride	16.00	91	14644	4.81	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146737.D
Acq On : 24 Jun 2014 1:25 pm
Operator : prashans
Sample : IC6377-5
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 11:08:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146738.D
Acq On : 24 Jun 2014 1:54 pm
Operator : prashans
Sample : IC6377-10
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 11:10:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	63341	500.00	ug/L		0.00
5) pentafluorobenzene	9.53	168	183361	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	220142	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	186912	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	97128	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	14073	9.83	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 19.66%#				
51) 1,2-dichloroethane-d4 (s)	10.03	65	15168	10.03	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 20.06%#				
80) toluene-d8 (s)	12.06	98	52185	10.25	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 20.50%#				
105) 4-bromofluorobenzene (s)	14.70	95	19168	9.85	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 19.70%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	3827	252.32	ug/L	#	97
4) tertiary butyl alcohol	7.47	59	8658	51.61	ug/L		91
11) chlorodifluoromethane	3.96	51	12487	10.48	ug/L		98
12) dichlorodifluoromethane	3.95	85	14549	10.45	ug/L		96
13) chloromethane	4.27	50	19489	9.93	ug/L		96
14) vinyl chloride	4.52	62	18054	10.28	ug/L		99
16) bromomethane	5.19	94	13224	9.71	ug/L		98
17) chloroethane	5.36	64	8348	10.32	ug/L		96
19) trichlorofluoromethane	5.79	101	18960	10.07	ug/L		98
20) ethyl ether	6.20	74	7775	10.18	ug/L		91
21) 2-chloropropane	6.42	63	5699	10.70	ug/L		92
22) acrolein	6.52	56	30353	104.43	ug/L		98
23) 1,1-dichloroethene	6.64	61	19748	10.18	ug/L		95
24) acetone	6.74	43	8632	11.12	ug/L		95
25) allyl chloride	7.17	76	7362	10.67	ug/L		94
26) acetonitrile	7.23	40	12011	109.33	ug/L	#	82
27) iodomethane	6.93	142	24512	10.00	ug/L		98
28) carbon disulfide	7.04	76	45431	9.82	ug/L		97
29) 1-chloropropane	7.38	42	28559	10.04	ug/L	#	88
30) methylene chloride	7.38	49	26988	10.41	ug/L		99
31) methyl acetate	7.19	74	1912	9.61	ug/L	#	70
32) methyl tert butyl ether	7.66	73	42419	10.06	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	19736	10.15	ug/L		98
34) di-isopropyl ether	8.23	45	49086	9.73	ug/L		98
35) ethyl tert-butyl ether	8.70	59	47405	10.05	ug/L		98
36) 2-butanone	9.03	72	1932	9.90	ug/L	#	92
37) 1,1-dichloroethane	8.30	63	25348	10.01	ug/L		97
38) chloroprene	8.38	53	18697	10.40	ug/L		94
39) acrylonitrile	7.75	53	23931	51.37	ug/L		97
40) vinyl acetate	8.29	86	1645	8.31	ug/L	#	36
41) ethyl acetate	9.03	45	1998	9.58	ug/L	#	1
42) 2,2-dichloropropane	9.02	77	19420	9.82	ug/L		99
43) cis-1,2-dichloroethene	9.04	96	15908	9.73	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146738.D
Acq On : 24 Jun 2014 1:54 pm
Operator : prashans
Sample : IC6377-10
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 11:10:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.16	54	18605	99.82	ug/L		89
45) bromochloromethane	9.35	130	10213	10.03	ug/L		94
46) tetrahydrofuran	9.38	72	1917	10.35	ug/L		92
47) chloroform	9.40	83	24725	9.71	ug/L		99
48) tert-Butyl Formate	9.42	59	9364	9.81	ug/L		97
49) isobutyl alcohol	9.86	41	5106	97.30	ug/L	#	99
52) freon 113	6.58	151	9885	10.66	ug/L		97
53) methacrylonitrile	9.31	67	5437	10.04	ug/L		92
54) 1,1,1-trichloroethane	9.62	97	20145	10.18	ug/L		96
55) Cyclohexane	9.67	84	20059	9.93	ug/L	#	95
56) 2,2,4-trimethylpentane	10.01	57	55953	10.75	ug/L		89
57) tert-amyl methyl ether	10.07	73	45179	9.84	ug/L		93
59) epichlorohydrin	11.73	57	7043	52.13	ug/L		97
60) n-butyl alcohol	10.60	56	22238	521.55	ug/L		95
61) carbon tetrachloride	9.82	117	17893	10.18	ug/L		97
62) 1,1-dichloropropene	9.80	75	18523	10.35	ug/L		98
63) hexane	7.97	57	20130	11.04	ug/L		98
64) Tert Amyl Alcohol	9.97	73	4652	52.50	ug/L	#	93
65) benzene	10.07	78	57128	9.81	ug/L		100
66) heptane	10.18	57	11650	10.79	ug/L		92
67) isopropyl acetate	9.99	61	5747	10.03	ug/L		99
68) 1,2-dichloroethane	10.11	62	17149	10.45	ug/L		99
69) trichloroethene	10.77	95	14470	10.25	ug/L		98
70) ethyl acrylate	10.79	55	16128	9.66	ug/L		97
71) 2-nitropropane	11.58	41	4853	10.52	ug/L	#	78
72) 2-chloroethyl vinyl ether	11.57	63	30201	50.26	ug/L		98
73) methyl methacrylate	11.05	69	9596	10.33	ug/L		98
74) 1,2-dichloropropane	11.06	63	15192	10.12	ug/L		97
75) methylcyclohexane	10.96	83	24353	10.48	ug/L		99
76) Tert-amyl ethyl ether	10.90	59	34366	9.95	ug/L		98
77) dibromomethane	11.22	93	9149	10.51	ug/L		94
78) bromodichloromethane	11.34	83	19348	10.01	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	24877	10.18	ug/L		96
81) 4-methyl-2-pentanone	11.88	58	5591	10.37	ug/L		95
82) toluene	12.13	91	60764	9.71	ug/L		99
83) 3-methyl-1-butanol	11.92	70	8128	203.73	ug/L		98
84) trans-1,3-dichloropropene	12.35	75	21984	10.31	ug/L		96
85) ethyl methacrylate	12.32	69	17745	10.07	ug/L		99
86) 1,1,2-trichloroethane	12.57	83	11028	10.16	ug/L		96
87) 2-hexanone	12.73	58	6150	10.24	ug/L		98
89) tetrachloroethene	12.69	166	16444	10.31	ug/L		99
90) 1,3-dichloropropane	12.75	76	20421	10.31	ug/L		99
91) butyl acetate	12.78	56	8836	9.72	ug/L	#	84
92) dibromochloromethane	13.00	129	15933	10.30	ug/L		99
93) 1,2-dibromoethane	13.15	107	13319	10.46	ug/L		97
94) 3,3-Dimethyl-1-Butanol	12.90	57	15147	101.57	ug/L		99
96) chlorobenzene	13.59	112	39897	10.15	ug/L		98
97) 1,1,1,2-tetrachloroethane	13.65	131	14366	10.15	ug/L		100
98) ethylbenzene	13.62	91	65662	10.03	ug/L		99
99) m,p-xylene	13.73	106	51978	20.19	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146738.D
Acq On : 24 Jun 2014 1:54 pm
Operator : prashans
Sample : IC6377-10
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 11:10:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration

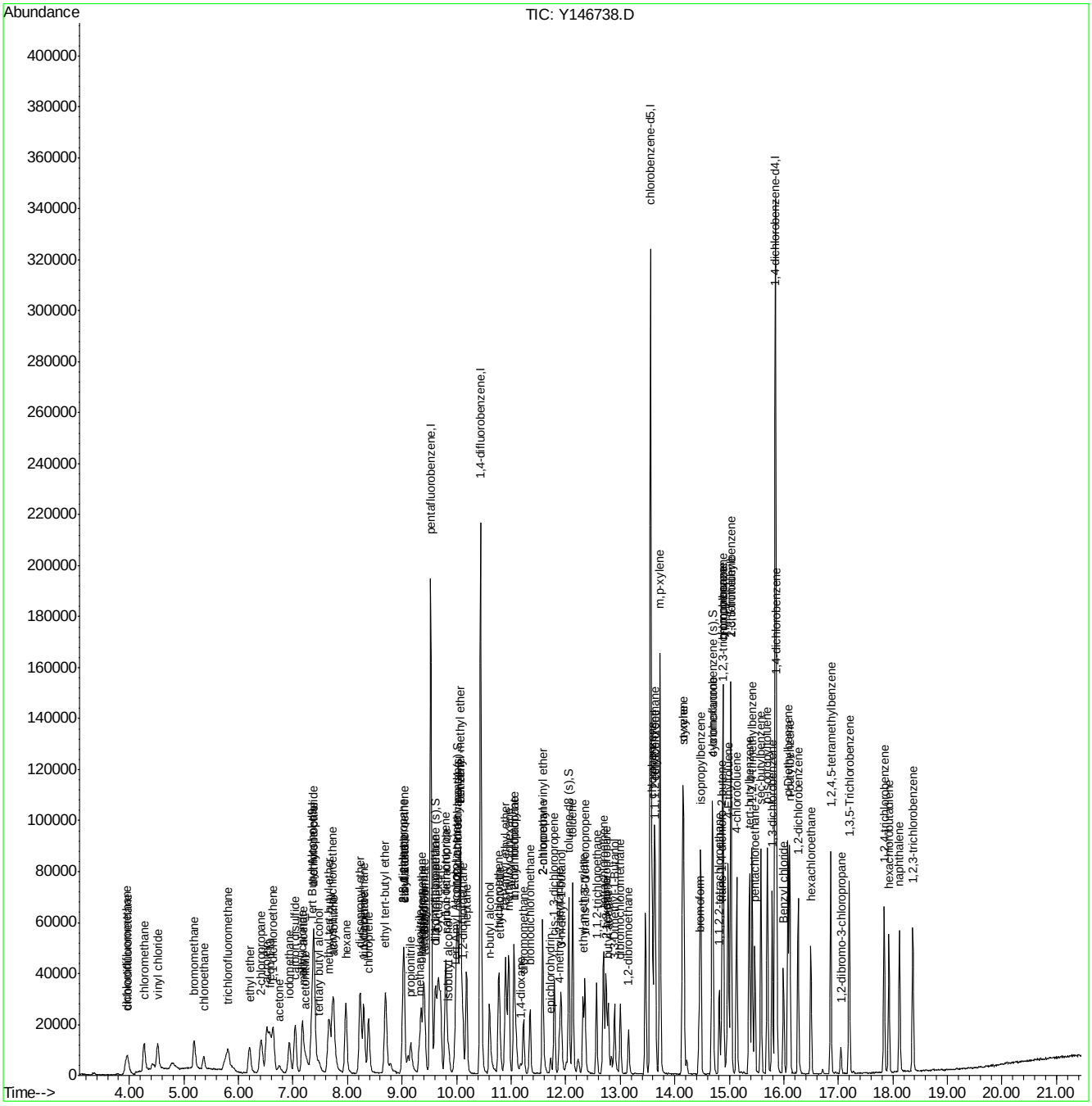
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) o-xylene	14.15	91	52327	10.01	ug/L		99
101) styrene	14.16	104	43021	10.42	ug/L		99
102) bromoform	14.45	173	10980	10.28	ug/L		97
104) isopropylbenzene	14.48	105	63558	9.95	ug/L		99
107) bromobenzene	14.89	156	18078	10.23	ug/L		99
108) cyclohexanone	14.69	55	33477	107.63	ug/L		98
109) 1,1,2,2-tetrachloroethane	14.82	83	18380	10.33	ug/L		98
110) trans-1,4-dichloro-2-buten	14.86	53	4350	10.23	ug/L		95
111) 1,2,3-trichloropropane	14.90	110	4073	10.52	ug/L		92
112) n-propylbenzene	14.88	91	72911	10.17	ug/L		99
113) 4-Ethyltoluene	14.98	105	61155	10.48	ug/L		99
114) 2-chlorotoluene	15.04	126	15923	10.21	ug/L		98
115) 4-chlorotoluene	15.14	91	47125	10.16	ug/L		99
116) 1,3,5-trimethylbenzene	15.03	105	52852	9.99	ug/L		99
117) tert-butylbenzene	15.37	119	43907	10.20	ug/L		99
118) pentachloroethane	15.47	167	11212	10.51	ug/L		96
119) 1,2,4-trimethylbenzene	15.42	105	51677	9.89	ug/L		98
120) sec-butylbenzene	15.58	105	68800	10.12	ug/L		99
121) 1,3-dichlorobenzene	15.79	146	33181	10.18	ug/L		97
122) p-isopropyltoluene	15.70	119	57204	10.18	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	33720	9.96	ug/L		98
124) 1,2-dichlorobenzene	16.27	146	31451	10.04	ug/L		97
125) n-butylbenzene	16.11	92	29822	10.26	ug/L		94
126) p-Diethylbenzene	16.08	119	33968	10.35	ug/L	#	80
127) 1,2-dibromo-3-chloropropan	17.05	157	3476	10.23	ug/L		98
128) 1,3,5-Trichlorobenzene	17.20	180	26998	10.12	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	23219	10.39	ug/L		98
130) 1,2,4,5-tetramethylbenzene	16.86	119	50742	10.13	ug/L		100
131) hexachlorobutadiene	17.93	225	13648	10.14	ug/L		98
132) naphthalene	18.12	128	46298	10.17	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	20867	10.05	ug/L		99
134) hexachloroethane	16.50	119	11150	10.10	ug/L		99
135) Benzyl chloride	15.99	91	32179	10.29	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146738.D
Acq On : 24 Jun 2014 1:54 pm
Operator : prashans
Sample : IC6377-10
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 11:10:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:08:24 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146739.D
Acq On : 24 Jun 2014 2:22 pm
Operator : prashans
Sample : IC6377-20
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 15:10:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	59638	500.00	ug/L	-0.01
5) pentafluorobenzene	9.52	168	166352	50.00	ug/L	-0.01
58) 1,4-difluorobenzene	10.44	114	203105	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	176645	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	93758	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	66276	37.91	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 75.82%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	69908	30.59	ug/L	-0.01
Spiked Amount 50.000	Range 65 - 123		Recovery = 61.18%#			
80) toluene-d8 (s)	12.06	98	243868	52.56	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.12%			
105) 4-bromofluorobenzene (s)	14.70	95	90240	48.23	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.46%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.18	88	6864	541.20	ug/L #	86
4) tertiary butyl alcohol	7.47	59	15633	90.03	ug/L	92
11) chlorodifluoromethane	3.97	51	24874	17.73	ug/L	93
12) dichlorodifluoromethane	3.94	85	28285	14.81	ug/L	97
13) chloromethane	4.27	50	37392	20.52	ug/L	97
14) vinyl chloride	4.52	62	34433	21.97	ug/L	96
16) bromomethane	5.19	94	24568	17.81	ug/L	95
17) chloroethane	5.37	64	15974	22.19	ug/L	93
19) trichlorofluoromethane	5.81	101	36484	13.75	ug/L	95
20) ethyl ether	6.20	74	14304	19.13	ug/L	90
21) 2-chloropropane	6.42	63	10753	21.49	ug/L	98
22) acrolein	6.52	56	50225	206.36	ug/L	99
23) 1,1-dichloroethene	6.64	61	36832	17.13	ug/L	92
24) acetone	6.74	43	15629	35.65	ug/L	85
25) allyl chloride	7.18	76	11975	19.61	ug/L #	77
26) acetonitrile	7.22	40	18097	218.49	ug/L	87
27) iodomethane	6.93	142	47703	17.07	ug/L	86
28) carbon disulfide	7.04	76	86227	20.52	ug/L	91
29) 1-chloropropane	7.38	42	49116	17.73	ug/L	94
30) methylene chloride	7.38	49	44106	19.80	ug/L	92
31) methyl acetate	7.18	74	3617	20.44	ug/L	94
32) methyl tert butyl ether	7.66	73	78282	15.51	ug/L	91
33) trans-1,2-dichloroethene	7.72	61	37243	17.59	ug/L	97
34) di-isopropyl ether	8.23	45	94515	21.39	ug/L	92
35) ethyl tert-butyl ether	8.70	59	90376	18.44	ug/L	98
36) 2-butanone	9.02	72	3715	25.77	ug/L #	79
37) 1,1-dichloroethane	8.30	63	47786	16.69	ug/L	98
38) chloroprene	8.38	53	35508	17.60	ug/L	88
39) acrylonitrile	7.75	53	44436	119.94	ug/L	95
40) vinyl acetate	8.29	86	3785	19.35	ug/L	82
41) ethyl acetate	9.01	45	4051	25.43	ug/L	49
42) 2,2-dichloropropane	9.02	77	37525	13.74	ug/L	98
43) cis-1,2-dichloroethene	9.03	96	30505	17.33	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146739.D
Acq On : 24 Jun 2014 2:22 pm
Operator : prashans
Sample : IC6377-20
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 15:10:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) propionitrile	9.16	54	34671	218.51 ug/L		94
45) bromochloromethane	9.35	130	18921	16.43 ug/L		97
46) tetrahydrofuran	9.38	72	3203	19.29 ug/L	#	74
47) chloroform	9.40	83	46886	14.95 ug/L		96
48) tert-Butyl Formate	9.41	59	18126	22.92 ug/L		90
49) isobutyl alcohol	9.85	41	8462	186.38 ug/L	#	72
52) freon 113	6.58	151	18843	19.06 ug/L		89
53) methacrylonitrile	9.31	67	9683	20.46 ug/L		97
54) 1,1,1-trichloroethane	9.63	97	38323	13.36 ug/L		99
55) Cyclohexane	9.67	84	38640	21.05 ug/L	#	97
56) 2,2,4-trimethylpentane	10.02	57	103533	24.50 ug/L		96
57) tert-amyl methyl ether	10.07	73	86305	17.45 ug/L		94
59) epichlorohydrin	11.72	57	12558	121.85 ug/L		94
60) n-butyl alcohol	10.60	56	39464	1381.68 ug/L		99
61) carbon tetrachloride	9.81	117	33976	15.77 ug/L		97
62) 1,1-dichloropropene	9.79	75	34976	21.09 ug/L		97
63) hexane	7.97	57	37194	33.24 ug/L		96
64) Tert Amyl Alcohol	9.96	73	8395	122.07 ug/L	#	76
65) benzene	10.07	78	109878	21.11 ug/L		99
66) heptane	10.18	57	22176	31.16 ug/L		95
67) isopropyl acetate	9.99	61	11345	25.15 ug/L	#	91
68) 1,2-dichloroethane	10.11	62	31912	12.87 ug/L		96
69) trichloroethene	10.77	95	27196	18.96 ug/L		96
70) ethyl acrylate	10.79	55	32415	25.54 ug/L		95
71) 2-nitropropane	11.58	41	8236	19.14 ug/L	#	1
72) 2-chloroethyl vinyl ether	11.57	63	57921	471.28 ug/L		94
73) methyl methacrylate	11.05	69	17368	23.82 ug/L	#	76
74) 1,2-dichloropropane	11.06	63	28610	22.99 ug/L		79
75) methylcyclohexane	10.96	83	46844	27.10 ug/L		95
76) Tert-amyl ethyl ether	10.90	59	69206	23.27 ug/L		99
77) dibromomethane	11.22	93	16577	17.31 ug/L		95
78) bromodichloromethane	11.34	83	37034	15.75 ug/L		97
79) cis-1,3-dichloropropene	11.79	75	47218	20.52 ug/L		88
81) 4-methyl-2-pentanone	11.88	58	10043	24.06 ug/L		99
82) toluene	12.13	91	115825	20.55 ug/L		99
83) 3-methyl-1-butanol	11.91	70	14919	526.49 ug/L		95
84) trans-1,3-dichloropropene	12.35	75	42042	18.51 ug/L		92
85) ethyl methacrylate	12.32	69	33609	23.80 ug/L		95
86) 1,1,2-trichloroethane	12.56	83	20841	20.65 ug/L		99
87) 2-hexanone	12.73	58	12040	33.34 ug/L	#	79
89) tetrachloroethene	12.69	166	31208	19.75 ug/L		98
90) 1,3-dichloropropane	12.75	76	38574	20.12 ug/L		97
91) butyl acetate	12.78	56	18442	29.12 ug/L	#	83
92) dibromochloromethane	13.01	129	29947	16.83 ug/L		95
93) 1,2-dibromoethane	13.15	107	24617	19.37 ug/L		98
94) 3,3-Dimethyl-1-Butanol	12.90	57	27555	278.73 ug/L		94
96) chlorobenzene	13.59	112	76177	20.15 ug/L		95
97) 1,1,1,2-tetrachloroethane	13.65	131	27893	17.03 ug/L		92
98) ethylbenzene	13.62	91	124660	20.33 ug/L		97
99) m,p-xylene	13.73	106	97955	43.34 ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146739.D
Acq On : 24 Jun 2014 2:22 pm
Operator : prashans
Sample : IC6377-20
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 15:10:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) o-xylene	14.15	91	100037	20.04	ug/L		96
101) styrene	14.16	104	83252	23.29	ug/L		94
102) bromoform	14.45	173	20815	16.63	ug/L		99
104) isopropylbenzene	14.48	105	121056	20.93	ug/L		96
107) bromobenzene	14.89	156	34671	18.77	ug/L		99
108) cyclohexanone	14.69	55	60404	394.69	ug/L		93
109) 1,1,2,2-tetrachloroethane	14.82	83	33607	21.64	ug/L		96
110) trans-1,4-dichloro-2-buten	14.86	53	8347	19.89	ug/L	#	69
111) 1,2,3-trichloropropane	14.89	110	7139	17.32	ug/L		78
112) n-propylbenzene	14.88	91	140624	21.56	ug/L		99
113) 4-Ethyltoluene	14.98	105	123453	24.18	ug/L	#	96
114) 2-chlorotoluene	15.04	126	31205	20.67	ug/L		92
115) 4-chlorotoluene	15.14	91	90631	20.25	ug/L		97
116) 1,3,5-trimethylbenzene	15.03	105	101445	20.03	ug/L		94
117) tert-butylbenzene	15.37	119	85449	20.97	ug/L		92
118) pentachloroethane	15.47	167	21253	17.28	ug/L		98
119) 1,2,4-trimethylbenzene	15.42	105	100917	20.88	ug/L		97
120) sec-butylbenzene	15.58	105	133569	22.42	ug/L		97
121) 1,3-dichlorobenzene	15.79	146	65690	18.93	ug/L		99
122) p-isopropyltoluene	15.70	119	112016	22.16	ug/L		97
123) 1,4-dichlorobenzene	15.87	146	66120	19.31	ug/L		97
124) 1,2-dichlorobenzene	16.26	146	61273	18.96	ug/L		98
125) n-butylbenzene	16.11	92	59091	23.51	ug/L		100
126) p-Diethylbenzene	16.08	119	70445	25.35	ug/L	#	81
127) 1,2-dibromo-3-chloropropan	17.05	157	6477	20.05	ug/L		85
128) 1,3,5-Trichlorobenzene	17.20	180	53601	20.06	ug/L		100
129) 1,2,4-trichlorobenzene	17.84	180	45657	20.10	ug/L		99
130) 1,2,4,5-tetramethylbenzene	16.86	119	105863	24.36	ug/L		96
131) hexachlorobutadiene	17.93	225	27038	17.03	ug/L		95
132) naphthalene	18.12	128	90413	23.29	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	41613	20.83	ug/L		97
134) hexachloroethane	16.50	119	21243	17.92	ug/L		99
135) Benzyl chloride	15.99	91	62265	21.68	ug/L		97

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

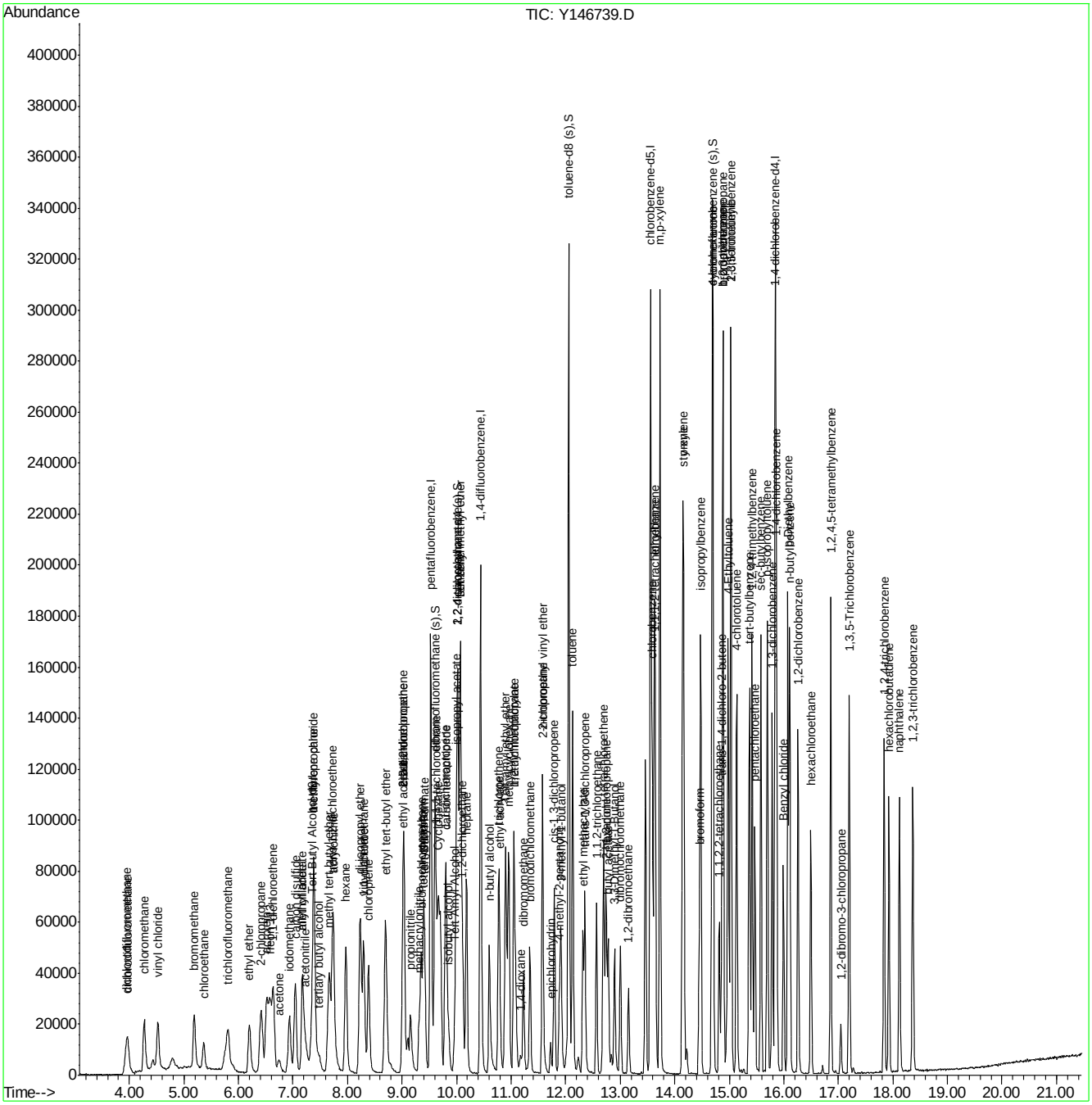
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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146739.D
Acq On : 24 Jun 2014 2:22 pm
Operator : prashans
Sample : IC6377-20
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 24 15:10:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146740.D
Acq On : 24 Jun 2014 2:50 pm
Operator : prashans
Sample : ICC6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 15:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	63501	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	181502	50.00	ug/L		-0.01
58) 1,4-difluorobenzene	10.44	114	217710	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	189139	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	97949	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	63236	33.16	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 66.32%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	71350	28.61	ug/L		-0.01
Spiked Amount 50.000	Range 65 - 123		Recovery = 57.22%#				
80) toluene-d8 (s)	12.06	98	231001	46.44	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 92.88%				
105) 4-bromofluorobenzene (s)	14.70	95	87361	44.69	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 89.38%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	20431	1512.92	ug/L	#	86
4) tertiary butyl alcohol	7.47	59	43430	234.90	ug/L		93
11) chlorodifluoromethane	3.97	51	56393	36.84	ug/L		92
12) dichlorodifluoromethane	3.94	85	64506	30.97	ug/L		97
13) chloromethane	4.28	50	91475	46.02	ug/L		97
14) vinyl chloride	4.53	62	82470	48.22	ug/L		98
16) bromomethane	5.19	94	60027	39.88	ug/L		100
17) chloroethane	5.36	64	39232	49.94	ug/L		96
19) trichlorofluoromethane	5.80	101	83760	28.94	ug/L		99
20) ethyl ether	6.20	74	36673	44.96	ug/L		90
21) 2-chloropropane	6.41	63	25308	46.36	ug/L		96
22) acrolein	6.52	56	133232	501.73	ug/L		99
23) 1,1-dichloroethene	6.64	61	88465	37.72	ug/L		94
24) acetone	6.74	43	35540	74.31	ug/L		88
25) allyl chloride	7.17	76	33012	49.54	ug/L	#	80
26) acetonitrile	7.22	40	49255	545.02	ug/L		93
27) iodomethane	6.93	142	115469	37.86	ug/L		86
28) carbon disulfide	7.04	76	204740	44.67	ug/L		92
29) 1-chloropropane	7.39	42	107088	35.43	ug/L	#	92
30) methylene chloride	7.38	49	101698	41.85	ug/L		93
31) methyl acetate	7.17	74	10134	52.48	ug/L		92
32) methyl tert butyl ether	7.67	73	198901	36.13	ug/L		91
33) trans-1,2-dichloroethene	7.72	61	89616	38.80	ug/L		98
34) di-isopropyl ether	8.23	45	236854	49.14	ug/L		92
35) ethyl tert-butyl ether	8.70	59	230268	43.06	ug/L		98
36) 2-butanone	9.02	72	9785	62.21	ug/L	#	79
37) 1,1-dichloroethane	8.30	63	115775	37.07	ug/L		97
38) chloroprene	8.38	53	84746	38.49	ug/L		88
39) acrylonitrile	7.74	53	116887	289.17	ug/L		92
40) vinyl acetate	8.28	86	10730	50.27	ug/L		48
41) ethyl acetate	9.01	45	10429	60.00	ug/L	#	34
42) 2,2-dichloropropane	9.02	77	86352	28.97	ug/L		95
43) cis-1,2-dichloroethene	9.03	96	73293	38.17	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146740.D
Acq On : 24 Jun 2014 2:50 pm
Operator : prashans
Sample : ICC6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 15:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	93075	537.63	ug/L		97
45) bromochloromethane	9.35	130	47901	38.12	ug/L		96
46) tetrahydrofuran	9.37	72	8870	48.96	ug/L		86
47) chloroform	9.40	83	114272	33.40	ug/L		96
48) tert-Butyl Formate	9.41	59	47475	55.03	ug/L		88
49) isobutyl alcohol	9.85	41	24047	485.43	ug/L	#	77
52) freon 113	6.58	151	43296	40.13	ug/L		84
53) methacrylonitrile	9.31	67	25822	50.02	ug/L		97
54) 1,1,1-trichloroethane	9.62	97	89600	28.63	ug/L		97
55) Cyclohexane	9.67	84	88521	44.19	ug/L	#	95
56) 2,2,4-trimethylpentane	10.02	57	207607	45.02	ug/L		97
57) tert-amyl methyl ether	10.07	73	220779	40.91	ug/L		95
59) epichlorohydrin	11.72	57	34032	308.07	ug/L		97
60) n-butyl alcohol	10.60	56	113407	3704.14	ug/L		98
61) carbon tetrachloride	9.81	117	80983	35.06	ug/L		97
62) 1,1-dichloropropene	9.80	75	81682	45.96	ug/L		97
63) hexane	7.97	57	74895	62.44	ug/L		95
64) Tert Amyl Alcohol	9.96	73	21698	294.34	ug/L	#	90
65) benzene	10.06	78	263111	47.17	ug/L		99
66) heptane	10.18	57	45047	59.06	ug/L		94
67) isopropyl acetate	9.98	61	29037	60.05	ug/L	#	93
68) 1,2-dichloroethane	10.11	62	81210	30.56	ug/L		98
69) trichloroethene	10.77	95	65656	42.70	ug/L		96
70) ethyl acrylate	10.78	55	84042	61.77	ug/L		96
71) 2-nitropropane	11.58	41	22428	48.62	ug/L	#	1
72) 2-chloroethyl vinyl ether	11.57	63	152663	1158.83	ug/L		94
73) methyl methacrylate	11.05	69	45856	58.67	ug/L	#	71
74) 1,2-dichloropropane	11.05	63	69415	52.04	ug/L		76
75) methylcyclohexane	10.96	83	105230	56.80	ug/L		95
76) Tert-amyl ethyl ether	10.90	59	167940	52.68	ug/L		98
77) dibromomethane	11.22	93	42440	41.34	ug/L		96
78) bromodichloromethane	11.35	83	92194	36.58	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	116599	47.27	ug/L		89
81) 4-methyl-2-pentanone	11.88	58	26828	59.96	ug/L		96
82) toluene	12.13	91	276013	45.69	ug/L		98
83) 3-methyl-1-butanol	11.91	70	41233	1357.49	ug/L		96
84) trans-1,3-dichloropropene	12.35	75	106048	43.57	ug/L		94
85) ethyl methacrylate	12.32	69	87149	57.58	ug/L		95
86) 1,1,2-trichloroethane	12.57	83	53072	49.05	ug/L		99
87) 2-hexanone	12.72	58	31177	80.55	ug/L	#	77
89) tetrachloroethene	12.69	166	77517	45.81	ug/L		100
90) 1,3-dichloropropane	12.75	76	97424	47.46	ug/L		97
91) butyl acetate	12.78	56	46807	69.02	ug/L		88
92) dibromochloromethane	13.00	129	76656	40.22	ug/L		96
93) 1,2-dibromoethane	13.15	107	63404	46.60	ug/L		99
94) 3,3-Dimethyl-1-Butanol	12.89	57	76455	722.30	ug/L		93
96) chlorobenzene	13.59	112	185180	45.75	ug/L		95
97) 1,1,1,2-tetrachloroethane	13.65	131	69494	39.63	ug/L		94
98) ethylbenzene	13.62	91	300299	45.73	ug/L		96
99) m,p-xylene	13.73	106	235635	97.37	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146740.D
Acq On : 24 Jun 2014 2:50 pm
Operator : prashans
Sample : ICC6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 15:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) o-xylene	14.15	91	244656	45.77	ug/L		96
101) styrene	14.16	104	206805	54.03	ug/L		93
102) bromoform	14.45	173	53799	40.15	ug/L		98
104) isopropylbenzene	14.48	105	288439	47.73	ug/L		97
107) bromobenzene	14.89	156	86078	44.61	ug/L		99
108) cyclohexanone	14.69	55	157946	987.90	ug/L		92
109) 1,1,2,2-tetrachloroethane	14.82	83	86195	53.13	ug/L		98
110) trans-1,4-dichloro-2-buten	14.86	53	21267	48.50	ug/L	#	64
111) 1,2,3-trichloropropane	14.89	110	18848	43.77	ug/L		80
112) n-propylbenzene	14.88	91	336966	49.46	ug/L		99
113) 4-Ethyltoluene	14.98	105	289209	54.23	ug/L	#	97
114) 2-chlorotoluene	15.04	126	73462	46.58	ug/L		90
115) 4-chlorotoluene	15.14	91	216755	46.37	ug/L		96
116) 1,3,5-trimethylbenzene	15.03	105	242267	45.78	ug/L		94
117) tert-butylbenzene	15.37	119	200990	47.22	ug/L		90
118) pentachloroethane	15.47	167	49829	38.78	ug/L		96
119) 1,2,4-trimethylbenzene	15.42	105	243680	48.25	ug/L		97
120) sec-butylbenzene	15.58	105	312291	50.19	ug/L		96
121) 1,3-dichlorobenzene	15.78	146	158598	43.76	ug/L		100
122) p-isopropyltoluene	15.70	119	265645	50.30	ug/L		96
123) 1,4-dichlorobenzene	15.87	146	160693	44.92	ug/L		98
124) 1,2-dichlorobenzene	16.27	146	151199	44.79	ug/L		98
125) n-butylbenzene	16.11	92	138116	52.60	ug/L		97
126) p-Diethylbenzene	16.08	119	162412	55.94	ug/L	#	81
127) 1,2-dibromo-3-chloropropan	17.05	157	17155	50.84	ug/L		93
128) 1,3,5-Trichlorobenzene	17.20	180	127802	45.79	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	113666	47.89	ug/L		98
130) 1,2,4,5-tetramethylbenzene	16.86	119	252508	55.63	ug/L		96
131) hexachlorobutadiene	17.93	225	63188	38.10	ug/L		98
132) naphthalene	18.12	128	234040	57.70	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	104293	49.96	ug/L		96
134) hexachloroethane	16.50	119	52952	42.76	ug/L		98
135) Benzyl chloride	15.99	91	158084	52.69	ug/L		96

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

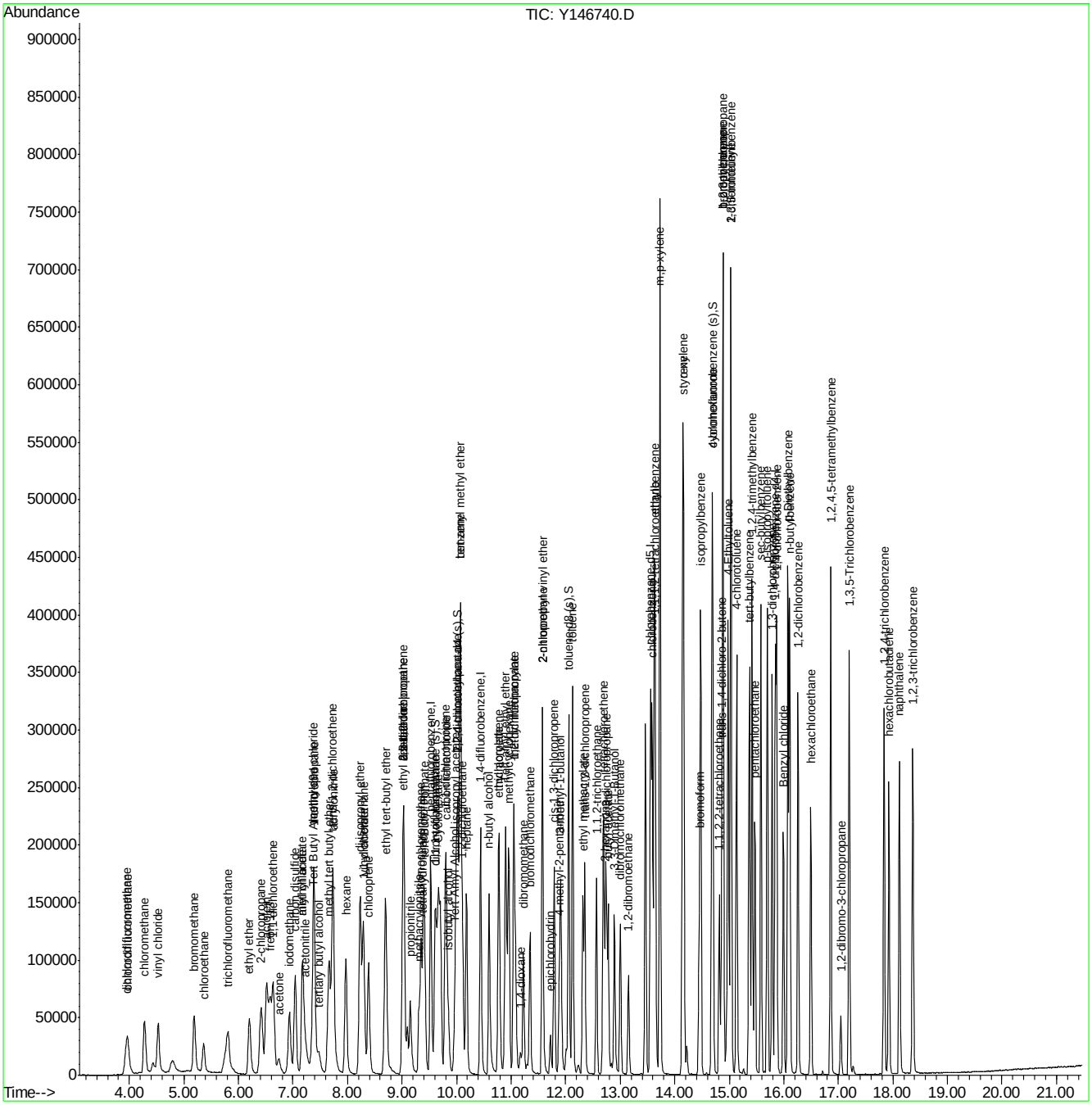
7.7.19

7

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146740.D
Acq On : 24 Jun 2014 2:50 pm
Operator : prashans
Sample : ICC6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 24 15:14:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 14:29:34 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146741.D
Acq On : 24 Jun 2014 3:20 pm
Operator : prashans
Sample : IC6377-100
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 11:22:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 15:27:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	67146	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	180076	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	219394	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	188166	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	98986	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	132329	91.95	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 183.90%#				
51) 1,2-dichloroethane-d4 (s)	10.02	65	149367	97.25	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 194.50%#				
80) toluene-d8 (s)	12.06	98	474639	86.17	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 172.34%#				
105) 4-bromofluorobenzene (s)	14.70	95	179891	87.93	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 175.86%#				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	39688	2453.38	ug/L	#	98
4) tertiary butyl alcohol	7.47	59	88362	493.70	ug/L		97
11) chlorodifluoromethane	3.97	51	111579	94.46	ug/L		97
12) dichlorodifluoromethane	3.94	85	134982	97.30	ug/L		97
13) chloromethane	4.28	50	182215	92.64	ug/L		99
14) vinyl chloride	4.53	62	165144	94.20	ug/L		100
16) bromomethane	5.18	94	116661	85.40	ug/L		100
17) chloroethane	5.36	64	77179	95.45	ug/L		96
19) trichlorofluoromethane	5.81	101	171367	90.12	ug/L		96
20) ethyl ether	6.20	74	78779	106.93	ug/L		97
21) 2-chloropropane	6.42	63	51248	96.85	ug/L		99
23) 1,1-dichloroethene	6.64	61	177575	91.42	ug/L		99
24) acetone	6.74	43	65443	66.97	ug/L		94
25) allyl chloride	7.17	76	66345	97.09	ug/L		95
26) acetonitrile	7.21	40	103017	949.50	ug/L		92
27) iodomethane	6.93	142	235667	97.23	ug/L		99
28) carbon disulfide	7.04	76	409842	87.66	ug/L		100
29) 1-chloropropane	7.38	42	213614	78.24	ug/L		100
30) methylene chloride	7.38	49	202120	80.11	ug/L		99
31) methyl acetate	7.17	74	21243	114.43	ug/L		96
32) methyl tert butyl ether	7.66	73	419394	101.33	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	183316	94.89	ug/L		99
34) di-isopropyl ether	8.23	45	481948	96.70	ug/L		99
35) ethyl tert-butyl ether	8.70	59	468117	101.34	ug/L		100
36) 2-butanone	9.02	72	20157	105.06	ug/L	#	99
37) 1,1-dichloroethane	8.29	63	237417	94.31	ug/L		97
38) chloroprene	8.38	53	170970	96.10	ug/L		99
39) acrylonitrile	7.74	53	246747	546.44	ug/L		99
40) vinyl acetate	8.28	86	22520	126.36	ug/L		88
41) ethyl acetate	9.01	45	21690	108.80	ug/L		58
42) 2,2-dichloropropane	9.02	77	172591	85.94	ug/L		98
43) cis-1,2-dichloroethene	9.03	96	151333	92.91	ug/L		96
44) propionitrile	9.15	54	195105	1082.28	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146741.D
Acq On : 24 Jun 2014 3:20 pm
Operator : prashans
Sample : IC6377-100
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 11:22:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 15:27:34 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) bromochloromethane	9.35	130	101315	101.76	ug/L		98
46) tetrahydrofuran	9.37	72	18670	103.56	ug/L		100
47) chloroform	9.40	83	235982	92.76	ug/L		99
48) tert-Butyl Formate	9.41	59	97661	105.67	ug/L		99
49) isobutyl alcohol	9.85	41	50334	934.97	ug/L	#	99
52) freon 113	6.58	151	89530	97.35	ug/L		98
53) methacrylonitrile	9.31	67	55850	107.07	ug/L		99
54) 1,1,1-trichloroethane	9.62	97	181860	91.91	ug/L		98
55) Cyclohexane	9.67	84	177993	87.22	ug/L	#	99
56) 2,2,4-trimethylpentane	10.02	57	493467	95.53	ug/L		97
57) tert-amyl methyl ether	10.07	73	454177	100.82	ug/L		99
59) epichlorohydrin	11.72	57	69807	522.66	ug/L		96
60) n-butyl alcohol	10.59	56	233969	5617.46	ug/L		99
61) carbon tetrachloride	9.81	117	162601	90.83	ug/L		99
62) 1,1-dichloropropene	9.80	75	166218	91.49	ug/L		98
63) hexane	7.97	57	167705	82.14	ug/L		99
64) Tert Amyl Alcohol	9.96	73	43537	483.89	ug/L	#	98
65) benzene	10.06	78	540951	91.75	ug/L		99
66) heptane	10.18	57	102005	92.54	ug/L		99
67) isopropyl acetate	9.98	61	59350	104.23	ug/L		99
68) 1,2-dichloroethane	10.11	62	170234	105.04	ug/L		98
69) trichloroethene	10.77	95	133183	93.32	ug/L		100
70) ethyl acrylate	10.78	55	177064	109.00	ug/L		100
71) 2-nitropropane	11.58	41	43188	91.07	ug/L		94
72) 2-chloroethyl vinyl ether	11.57	63	315028	534.85	ug/L		99
73) methyl methacrylate	11.04	69	96887	105.96	ug/L		92
74) 1,2-dichloropropane	11.05	63	145437	96.46	ug/L		100
75) methylcyclohexane	10.96	83	218990	93.06	ug/L		99
76) Tert-amyl ethyl ether	10.90	59	349723	102.09	ug/L		100
77) dibromomethane	11.22	93	88969	103.22	ug/L		99
78) bromodichloromethane	11.34	83	194816	101.42	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	243138	99.83	ug/L		99
81) 4-methyl-2-pentanone	11.88	58	57064	107.89	ug/L		98
82) toluene	12.13	91	565702	88.25	ug/L		100
83) 3-methyl-1-butanol	11.91	70	85248	2185.89	ug/L		99
84) trans-1,3-dichloropropene	12.35	75	220109	104.56	ug/L		100
85) ethyl methacrylate	12.32	69	183928	105.84	ug/L		99
86) 1,1,2-trichloroethane	12.56	83	110920	103.18	ug/L		99
87) 2-hexanone	12.72	58	64069	108.29	ug/L		96
89) tetrachloroethene	12.69	166	157053	96.74	ug/L		99
90) 1,3-dichloropropane	12.74	76	202084	101.79	ug/L		100
91) butyl acetate	12.78	56	94321	98.13	ug/L		96
92) dibromochloromethane	13.00	129	161444	104.85	ug/L		99
93) 1,2-dibromoethane	13.15	107	133602	105.51	ug/L		98
94) 3,3-Dimethyl-1-Butanol	12.89	57	156022	1048.30	ug/L		99
96) chlorobenzene	13.59	112	380001	95.13	ug/L		100
97) 1,1,1,2-tetrachloroethane	13.65	131	143579	101.19	ug/L		99
98) ethylbenzene	13.62	91	609903	90.95	ug/L		99
99) m,p-xylene	13.73	106	477684	181.00	ug/L		99
100) o-xylene	14.15	91	501151	94.31	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146741.D
Acq On : 24 Jun 2014 3:20 pm
Operator : prashans
Sample : IC6377-100
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 11:22:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 15:27:34 2014
Response via : Initial Calibration

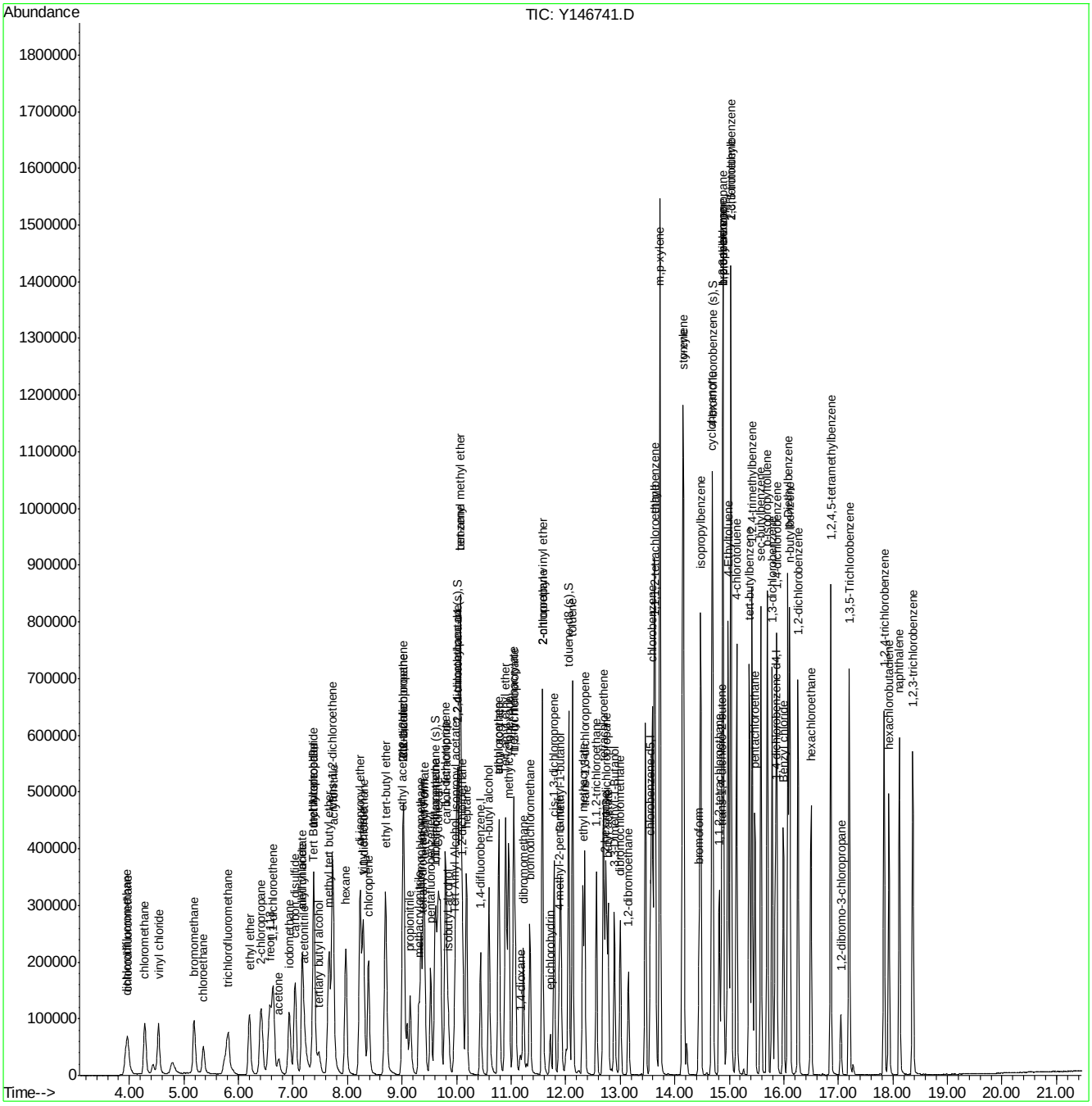
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
101) styrene	14.16	104	427068	103.66 ug/L	100
102) bromoform	14.45	173	114115	108.04 ug/L	99
104) isopropylbenzene	14.48	105	585152	87.67 ug/L	100
107) bromobenzene	14.89	156	179308	99.61 ug/L	99
108) cyclohexanone	14.68	55	320520	985.97 ug/L	98
109) 1,1,2,2-tetrachloroethane	14.82	83	181423	99.58 ug/L	100
110) trans-1,4-dichloro-2-buten	14.85	53	45255	105.42 ug/L	96
111) 1,2,3-trichloropropane	14.89	110	39702	100.21 ug/L	94
112) n-propylbenzene	14.88	91	678703	91.15 ug/L	100
113) 4-Ethyltoluene	14.98	105	578858	96.55 ug/L	100
114) 2-chlorotoluene	15.04	126	150835	93.46 ug/L	98
115) 4-chlorotoluene	15.14	91	441297	91.61 ug/L	99
116) 1,3,5-trimethylbenzene	15.03	105	488960	88.66 ug/L	99
117) tert-butylbenzene	15.37	119	412449	92.54 ug/L	99
118) pentachloroethane	15.47	167	105889	97.26 ug/L	96
119) 1,2,4-trimethylbenzene	15.42	105	495885	91.53 ug/L	99
120) sec-butylbenzene	15.58	105	632415	89.28 ug/L	100
121) 1,3-dichlorobenzene	15.78	146	323820	96.98 ug/L	99
122) p-isopropyltoluene	15.70	119	535222	91.90 ug/L	99
123) 1,4-dichlorobenzene	15.87	146	329320	94.29 ug/L	99
124) 1,2-dichlorobenzene	16.26	146	312834	97.45 ug/L	99
125) n-butylbenzene	16.11	92	279413	92.73 ug/L	99
126) p-Diethylbenzene	16.08	119	321257	94.97 ug/L	99
127) 1,2-dibromo-3-chloropropan	17.05	157	36572	106.60 ug/L	95
128) 1,3,5-Trichlorobenzene	17.20	180	259439	94.42 ug/L	99
129) 1,2,4-trichlorobenzene	17.84	180	229427	101.00 ug/L	99
130) 1,2,4,5-tetramethylbenzene	16.86	119	502472	97.94 ug/L	100
131) hexachlorobutadiene	17.93	225	126418	89.90 ug/L	98
132) naphthalene	18.12	128	492456	107.38 ug/L	100
133) 1,2,3-trichlorobenzene	18.37	180	212732	100.34 ug/L	99
134) hexachloroethane	16.50	119	108980	96.11 ug/L	100
135) Benzyl chloride	15.99	91	322169	100.93 ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146741.D
Acq On : 24 Jun 2014 3:20 pm
Operator : prashans
Sample : IC6377-100
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 11:22:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 15:27:34 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146742.D
Acq On : 24 Jun 2014 3:48 pm
Operator : prashans
Sample : IC6377-200
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 11:31:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 16:47:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.37	65	66768	500.00	ug/L	0.02
5) pentafluorobenzene	9.52	168	181001	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	221569	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	189432	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	100082	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	265213	185.83	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 371.66%#			
51) 1,2-dichloroethane-d4 (s)	10.02	65	293232	190.99	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 381.98%#			
80) toluene-d8 (s)	12.06	98	947714	173.37	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 346.74%#			
105) 4-bromofluorobenzene (s)	14.70	95	361461	177.80	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 355.60%#			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	78986	4928.68	ug/L #	98
4) tertiary butyl alcohol	7.47	59	171201	963.68	ug/L	96
11) chlorodifluoromethane	3.97	51	219865	186.91	ug/L	99
12) dichlorodifluoromethane	3.94	85	264783	190.75	ug/L	97
13) chloromethane	4.29	50	361006	184.55	ug/L	100
14) vinyl chloride	4.54	62	326438	186.79	ug/L	99
16) bromomethane	5.18	94	199274	148.23	ug/L	100
17) chloroethane	5.35	64	147138	182.23	ug/L	96
19) trichlorofluoromethane	5.81	101	336411	178.52	ug/L	98
20) ethyl ether	6.20	74	158830	212.39	ug/L	99
21) 2-chloropropane	6.42	63	101094	191.08	ug/L	99
22) acrolein	6.52	56	5508	19.07	ug/L	98
23) 1,1-dichloroethene	6.64	61	356331	184.49	ug/L	99
25) allyl chloride	7.17	76	134122	196.42	ug/L	96
26) acetonitrile	7.21	40	202955	1880.05	ug/L	99
27) iodomethane	6.94	142	473779	195.25	ug/L	99
28) carbon disulfide	7.04	76	817449	176.67	ug/L	99
29) 1-chloropropane	7.38	42	422966	161.13	ug/L	100
30) methylene chloride	7.37	49	400390	164.42	ug/L	99
31) methyl acetate	7.17	74	43786	228.08	ug/L	92
32) methyl tert butyl ether	7.66	73	827881	198.70	ug/L	99
33) trans-1,2-dichloroethene	7.72	61	369331	191.42	ug/L	99
34) di-isopropyl ether	8.23	45	972924	194.92	ug/L	100
35) ethyl tert-butyl ether	8.70	59	942751	202.74	ug/L	100
36) 2-butanone	9.02	72	36374	186.72	ug/L	87
37) 1,1-dichloroethane	8.29	63	481487	191.64	ug/L	98
38) chloroprene	8.38	53	346818	194.89	ug/L	99
39) acrylonitrile	7.74	53	479610	1042.86	ug/L	100
40) vinyl acetate	8.28	86	45838	243.06	ug/L	94
41) ethyl acetate	9.01	45	43058	211.17	ug/L	64
42) 2,2-dichloropropane	9.02	77	341286	172.10	ug/L	97
43) cis-1,2-dichloroethene	9.03	96	309847	190.95	ug/L	97
44) propionitrile	9.15	54	384028	2090.72	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146742.D
Acq On : 24 Jun 2014 3:48 pm
Operator : prashans
Sample : IC6377-200
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 11:31:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 16:47:20 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) bromochloromethane	9.35	130	204189	203.52 ug/L	99
46) tetrahydrofuran	9.37	72	36967	202.56 ug/L	93
47) chloroform	9.40	83	477140	188.55 ug/L	99
48) tert-Butyl Formate	9.41	59	193385	206.22 ug/L	99
49) isobutyl alcohol	9.85	41	96228	1797.82 ug/L #	97
52) freon 113	6.58	151	177252	192.59 ug/L	100
53) methacrylonitrile	9.31	67	109601	206.13 ug/L	99
54) 1,1,1-trichloroethane	9.62	97	364580	185.19 ug/L	99
55) Cyclohexane	9.67	84	358518	177.61 ug/L #	99
56) 2,2,4-trimethylpentane	10.02	57	985040	190.78 ug/L	96
57) tert-amyl methyl ether	10.07	73	902397	199.09 ug/L	99
59) epichlorohydrin	11.72	57	136448	1004.00 ug/L	96
60) n-butyl alcohol	10.60	56	458197	10704.21 ug/L	100
61) carbon tetrachloride	9.81	117	325791	182.29 ug/L	99
62) 1,1-dichloropropene	9.80	75	336484	185.37 ug/L	98
63) hexane	7.97	57	336100	168.00 ug/L	99
64) Tert Amyl Alcohol	9.96	73	84708	937.28 ug/L #	98
65) benzene	10.06	78	1100949	186.61 ug/L	99
66) heptane	10.18	57	202350	184.06 ug/L	99
67) isopropyl acetate	9.98	61	118269	204.23 ug/L	97
68) 1,2-dichloroethane	10.11	62	338942	205.79 ug/L	98
69) trichloroethene	10.77	95	271442	189.91 ug/L	99
70) ethyl acrylate	10.78	55	352741	211.22 ug/L	99
71) 2-nitropropane	11.58	41	83795	177.60 ug/L	100
72) 2-chloroethyl vinyl ether	11.57	63	626675	1041.41 ug/L	99
73) methyl methacrylate	11.04	69	189951	203.67 ug/L	90
74) 1,2-dichloropropane	11.05	63	295362	194.83 ug/L	99
75) methylcyclohexane	10.96	83	440401	186.94 ug/L	100
76) Tert-amyl ethyl ether	10.90	59	704441	203.08 ug/L	100
77) dibromomethane	11.22	93	177387	202.84 ug/L	97
78) bromodichloromethane	11.34	83	393193	202.32 ug/L	100
79) cis-1,3-dichloropropene	11.79	75	493796	200.79 ug/L	99
81) 4-methyl-2-pentanone	11.88	58	110311	203.84 ug/L	98
82) toluene	12.13	91	1141366	178.93 ug/L	99
83) 3-methyl-1-butanol	11.91	70	165062	4126.97 ug/L	98
84) trans-1,3-dichloropropene	12.35	75	442221	206.83 ug/L	99
85) ethyl methacrylate	12.31	69	366134	206.89 ug/L	99
86) 1,1,2-trichloroethane	12.56	83	223197	204.78 ug/L	99
87) 2-hexanone	12.72	58	119382	197.08 ug/L	99
89) tetrachloroethene	12.69	166	304449	187.04 ug/L	100
90) 1,3-dichloropropane	12.74	76	404515	201.95 ug/L	99
91) butyl acetate	12.78	56	182699	189.52 ug/L	98
92) dibromochloromethane	13.00	129	324768	208.26 ug/L	99
93) 1,2-dibromoethane	13.15	107	267722	208.59 ug/L	99
94) 3,3-Dimethyl-1-Butanol	12.89	57	304240	2016.59 ug/L	99
96) chlorobenzene	13.59	112	771224	192.95 ug/L	99
97) 1,1,1,2-tetrachloroethane	13.65	131	291029	203.44 ug/L	99
98) ethylbenzene	13.62	91	1236424	185.01 ug/L	99
99) m,p-xylene	13.73	106	965117	367.13 ug/L	98
100) o-xylene	14.15	91	1016157	191.16 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146742.D
Acq On : 24 Jun 2014 3:48 pm
Operator : prashans
Sample : IC6377-200
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 11:31:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 16:47:20 2014
Response via : Initial Calibration

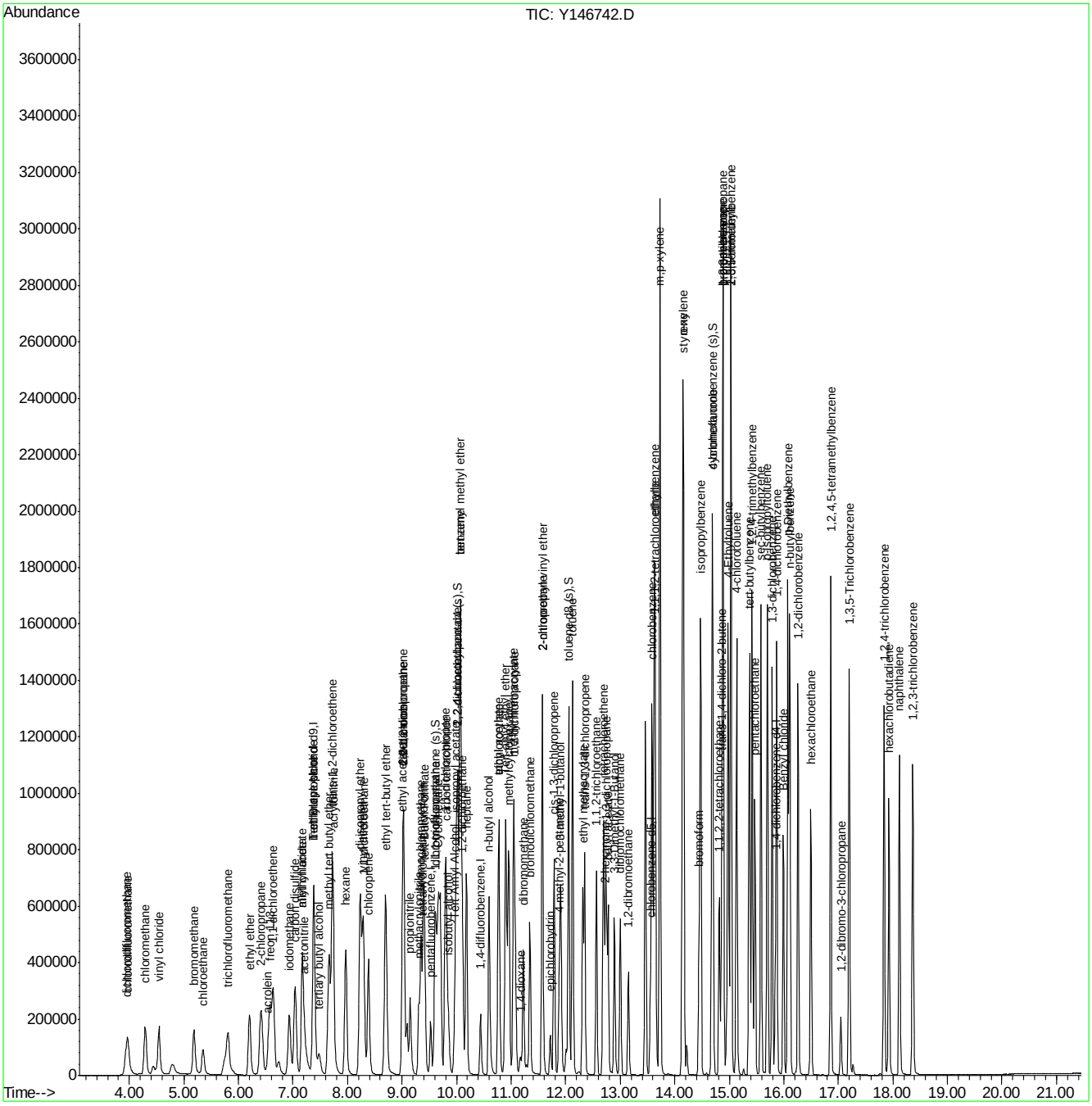
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
101) styrene	14.16	104	868644	208.59 ug/L	99
102) bromoform	14.45	173	229589	213.77 ug/L	99
104) isopropylbenzene	14.48	105	1183830	177.86 ug/L	99
107) bromobenzene	14.89	156	365718	201.04 ug/L	98
108) cyclohexanone	14.69	55	550946	1680.16 ug/L	98
109) 1,1,2,2-tetrachloroethane	14.82	83	354780	192.71 ug/L	98
110) trans-1,4-dichloro-2-buten	14.86	53	87980	200.88 ug/L	97
111) 1,2,3-trichloropropane	14.89	110	77200	192.66 ug/L	95
112) n-propylbenzene	14.88	91	1374093	184.33 ug/L	100
113) 4-Ethyltoluene	14.98	105	1166251	193.23 ug/L	97
114) 2-chlorotoluene	15.04	126	302895	187.15 ug/L	94
115) 4-chlorotoluene	15.14	91	900720	186.90 ug/L	100
116) 1,3,5-trimethylbenzene	15.03	105	990364	179.88 ug/L	100
117) tert-butylbenzene	15.37	119	826702	184.98 ug/L	99
118) pentachloroethane	15.47	167	223307	203.65 ug/L	97
119) 1,2,4-trimethylbenzene	15.42	105	996882	183.73 ug/L	99
120) sec-butylbenzene	15.58	105	1264774	178.72 ug/L	99
121) 1,3-dichlorobenzene	15.79	146	658531	195.71 ug/L	98
122) p-isopropyltoluene	15.70	119	1072005	183.70 ug/L	100
123) 1,4-dichlorobenzene	15.87	146	666506	190.11 ug/L	99
124) 1,2-dichlorobenzene	16.27	146	630051	194.73 ug/L	99
125) n-butylbenzene	16.11	92	558506	185.01 ug/L	97
126) p-Diethylbenzene	16.08	119	647424	190.49 ug/L	99
127) 1,2-dibromo-3-chloropropan	17.05	157	69322	197.68 ug/L	96
128) 1,3,5-Trichlorobenzene	17.20	180	525313	190.27 ug/L	99
129) 1,2,4-trichlorobenzene	17.84	180	466536	202.92 ug/L	100
130) 1,2,4,5-tetramethylbenzene	16.86	119	1004912	194.17 ug/L	100
131) hexachlorobutadiene	17.93	225	250564	178.49 ug/L	99
132) naphthalene	18.12	128	953245	203.70 ug/L	99
133) 1,2,3-trichlorobenzene	18.37	180	419274	195.51 ug/L	99
134) hexachloroethane	16.50	119	220960	193.67 ug/L	100
135) Benzyl chloride	15.99	91	628808	194.58 ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146742.D
Acq On : 24 Jun 2014 3:48 pm
Operator : prashans
Sample : IC6377-200
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 11:31:40 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Tue Jun 24 16:47:20 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146748.D
Acq On : 25 Jun 2014 10:14 am
Operator : prashans
Sample : ICV6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:32:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.36	65	68728	500.00	ug/L	0.00
5) pentafluorobenzene	9.52	168	198040	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.43	114	241592	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	203426	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.84	152	103861	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	64968	42.03	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 84.06%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	68676	42.03	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 84.06%			
80) toluene-d8 (s)	12.05	98	233499	41.79	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 83.58%			
105) 4-bromofluorobenzene (s)	14.70	95	88673	42.61	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 85.22%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	20347	1236.37	ug/L	99
4) tertiary butyl alcohol	7.47	59	44166	242.62	ug/L	98
11) chlorodifluoromethane	3.97	51	48440	37.65	ug/L	98
12) dichlorodifluoromethane	3.95	85	64393	42.83	ug/L	99
13) chloromethane	4.27	50	86822	40.96	ug/L	100
14) vinyl chloride	4.53	62	81054	42.74	ug/L	98
16) bromomethane	5.18	94	59004	43.46	ug/L	97
17) chloroethane	5.36	64	38187	43.71	ug/L	98
19) trichlorofluoromethane	5.80	101	86131	42.34	ug/L	99
20) ethyl ether	6.20	74	39267	47.62	ug/L	95
21) 2-chloropropane	6.41	63	25350	44.07	ug/L	98
22) acrolein	6.51	56	135401	431.33	ug/L	100
23) 1,1-dichloroethene	6.63	61	87533	41.78	ug/L	97
24) acetone	6.73	43	35190	39.64	ug/L	91
25) allyl chloride	7.17	76	32996	44.30	ug/L	95
26) acetonitrile	7.21	40	53156	447.99	ug/L	98
27) iodomethane	6.93	142	117016	44.21	ug/L	100
28) carbon disulfide	7.03	76	202038	40.43	ug/L	99
29) 1-chloropropane	7.38	42	108427	39.02	ug/L #	92
30) methylene chloride	7.37	49	101879	39.41	ug/L	98
31) methyl acetate	7.17	74	9816	45.66	ug/L	94
32) methyl tert butyl ether	7.66	73	401986	88.24	ug/L	99
33) trans-1,2-dichloroethene	7.71	61	90372	43.01	ug/L	98
34) di-isopropyl ether	8.23	45	232021	42.59	ug/L	99
35) ethyl tert-butyl ether	8.69	59	219158	43.02	ug/L	100
36) 2-butanone	9.02	72	10698	50.75	ug/L #	87
37) 1,1-dichloroethane	8.29	63	117741	43.03	ug/L	97
38) chloroprene	8.38	53	74187	38.21	ug/L	99
39) acrylonitrile	7.74	53	117947	234.42	ug/L	99
40) vinyl acetate	8.27	86	11770	55.07	ug/L	94
41) ethyl acetate	9.01	45	9431	41.88	ug/L	100
42) 2,2-dichloropropane	9.02	77	87895	41.15	ug/L	99
43) cis-1,2-dichloroethene	9.03	96	75023	42.47	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146748.D
Acq On : 25 Jun 2014 10:14 am
Operator : prashans
Sample : ICV6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:32:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	95262	492.42	ug/L		99
45) bromochloromethane	9.35	130	50501	45.90	ug/L		95
46) tetrahydrofuran	9.37	72	9061	45.28	ug/L		96
47) chloroform	9.39	83	117673	42.81	ug/L		100
48) tert-Butyl Formate	9.41	59	48379	46.94	ug/L		99
49) isobutyl alcohol	9.84	41	25364	458.10	ug/L	#	99
52) freon 113	6.57	151	43144	43.07	ug/L		99
53) methacrylonitrile	9.30	67	27299	46.69	ug/L		99
54) 1,1,1-trichloroethane	9.62	97	90274	42.26	ug/L		98
55) Cyclohexane	9.67	84	87699	40.21	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	184714	32.87	ug/L		94
57) tert-amyl methyl ether	10.07	73	218693	44.11	ug/L		99
59) epichlorohydrin	11.72	57	33894	228.60	ug/L		97
60) n-butyl alcohol	10.59	56	116281	2485.01	ug/L		99
61) carbon tetrachloride	9.81	117	80379	41.66	ug/L		100
62) 1,1-dichloropropene	9.79	75	81226	41.37	ug/L		98
63) hexane	7.97	57	77096	38.52	ug/L		100
64) Tert Amyl Alcohol	9.96	73	43935	451.83	ug/L	#	79
65) benzene	10.06	78	266811	41.76	ug/L		99
66) heptane	10.18	57	41869	35.33	ug/L		99
67) isopropyl acetate	9.98	61	28808	45.83	ug/L	#	22
68) 1,2-dichloroethane	10.10	62	84582	46.95	ug/L		99
69) trichloroethene	10.77	95	66276	42.77	ug/L		98
70) ethyl acrylate	10.78	55	84989	46.37	ug/L		99
71) 2-nitropropane	11.58	41	21690	42.85	ug/L	#	76
72) 2-chloroethyl vinyl ether	11.57	63	144626	219.32	ug/L		99
73) methyl methacrylate	11.04	69	47592	46.68	ug/L		96
74) 1,2-dichloropropane	11.05	63	72168	43.79	ug/L		100
75) methylcyclohexane	10.95	83	92739	36.37	ug/L		98
76) Tert-amyl ethyl ether	10.89	59	350840	92.60	ug/L		99
77) dibromomethane	11.22	93	44612	46.70	ug/L		97
78) bromodichloromethane	11.34	83	96314	45.39	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	121713	45.37	ug/L		98
81) 4-methyl-2-pentanone	11.88	58	27744	46.89	ug/L		99
82) toluene	12.12	91	280190	40.78	ug/L		100
83) 3-methyl-1-butanol	11.91	70	41692	952.24	ug/L		99
84) trans-1,3-dichloropropene	12.35	75	110118	47.06	ug/L		99
85) ethyl methacrylate	12.31	69	91633	47.36	ug/L		99
86) 1,1,2-trichloroethane	12.56	83	55303	46.41	ug/L		98
87) 2-hexanone	12.72	58	30662	46.52	ug/L		99
89) tetrachloroethene	12.69	166	75947	43.73	ug/L		98
90) 1,3-dichloropropane	12.74	76	100585	46.68	ug/L		99
91) butyl acetate	12.78	56	44486	44.97	ug/L		98
92) dibromochloromethane	13.00	129	80386	47.75	ug/L		100
93) 1,2-dibromoethane	13.15	107	66053	47.66	ug/L		99
94) 3,3-Dimethyl-1-Butanol	12.89	57	75125	462.86	ug/L		98
96) chlorobenzene	13.58	112	189183	44.22	ug/L		98
97) 1,1,1,2-tetrachloroethane	13.65	131	72041	46.77	ug/L		98
98) ethylbenzene	13.62	91	301927	42.37	ug/L		100
99) m,p-xylene	13.73	106	238320	85.07	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146748.D
Acq On : 25 Jun 2014 10:14 am
Operator : prashans
Sample : ICV6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:32:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

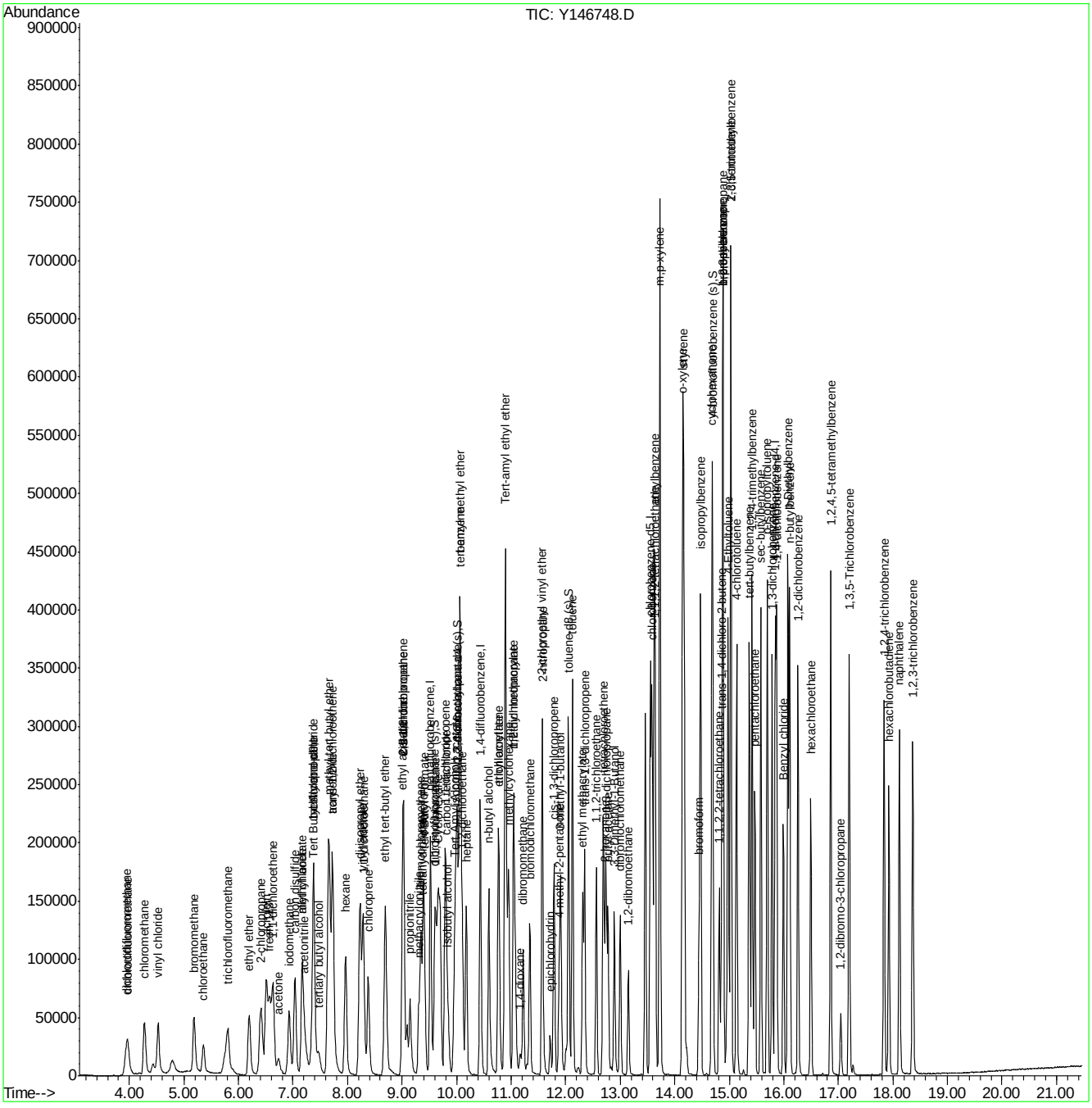
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) o-xylene	14.14	91	248110	43.63	ug/L		99
101) styrene	14.16	104	210111	46.75	ug/L		99
102) bromoform	14.45	173	56563	48.64	ug/L		99
104) isopropylbenzene	14.47	105	290886	42.58	ug/L		99
107) bromobenzene	14.89	156	88813	47.01	ug/L		98
108) cyclohexanone	14.68	55	162108	487.39	ug/L		99
109) 1,1,2,2-tetrachloroethane	14.82	83	89365	46.96	ug/L		99
110) trans-1,4-dichloro-2-buten	14.86	53	22044	48.46	ug/L		96
111) 1,2,3-trichloropropane	14.89	110	19670	47.51	ug/L		94
112) n-propylbenzene	14.88	91	336095	43.86	ug/L		100
113) 4-Ethyltoluene	14.98	105	279775	44.83	ug/L		98
114) 2-chlorotoluene	15.04	126	75235	45.11	ug/L		97
115) 4-chlorotoluene	15.14	91	220776	44.50	ug/L		100
116) 1,3,5-trimethylbenzene	15.03	105	251342	44.43	ug/L		100
117) tert-butylbenzene	15.37	119	203243	44.15	ug/L		99
118) pentachloroethane	15.47	167	54248	47.55	ug/L		97
119) 1,2,4-trimethylbenzene	15.42	105	248617	44.51	ug/L		100
120) sec-butylbenzene	15.58	105	315915	43.47	ug/L		99
121) 1,3-dichlorobenzene	15.78	146	162867	46.73	ug/L		100
122) p-isopropyltoluene	15.70	119	268261	44.65	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	166377	45.97	ug/L		99
124) 1,2-dichlorobenzene	16.26	146	157179	46.94	ug/L		99
125) n-butylbenzene	16.11	92	139662	44.95	ug/L		98
126) p-Diethylbenzene	16.08	119	161304	45.97	ug/L	#	81
127) 1,2-dibromo-3-chloropropan	17.05	157	17666	48.61	ug/L		96
128) 1,3,5-Trichlorobenzene	17.20	180	132347	46.41	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	116903	48.92	ug/L		99
130) 1,2,4,5-tetramethylbenzene	16.86	119	251428	46.94	ug/L		100
131) hexachlorobutadiene	17.93	225	63674	44.23	ug/L		98
132) naphthalene	18.12	128	244178	50.17	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	107624	48.47	ug/L		97
134) hexachloroethane	16.50	119	53383	45.24	ug/L		99
135) Benzyl chloride	15.99	91	162435	48.59	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146748.D
Acq On : 25 Jun 2014 10:14 am
Operator : prashans
Sample : ICV6377-50
Misc : MS69208,VY6377,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 11:32:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146752.D
Acq On : 25 Jun 2014 1:48 pm
Operator : prashans
Sample : CC6377-20
Misc : MS69208,VY6378,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:26:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	74702	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	199302	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	235540	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	199711	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	105443	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	73982	47.56	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 95.12%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	73332	44.59	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 89.18%				
80) toluene-d8 (s)	12.06	98	281615	51.70	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 103.40%				
105) 4-bromofluorobenzene (s)	14.70	95	97784	46.29	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 92.58%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.17	88	8870	495.88	ug/L	#	100
4) tertiary butyl alcohol	7.47	59	20246	102.32	ug/L		95
11) chlorodifluoromethane	3.97	51	23024	17.78	ug/L		95
12) dichlorodifluoromethane	3.95	85	29200	19.30	ug/L		96
13) chloromethane	4.27	50	38155	17.89	ug/L		95
14) vinyl chloride	4.52	62	35757	18.74	ug/L		97
16) bromomethane	5.19	94	26194	19.17	ug/L		100
17) chloroethane	5.37	64	17058	19.40	ug/L		96
19) trichlorofluoromethane	5.81	101	38552	18.83	ug/L		95
20) ethyl ether	6.21	74	15554	18.74	ug/L		92
21) 2-chloropropane	6.41	63	10976	18.96	ug/L		96
22) acrolein	6.52	56	58178	184.16	ug/L		99
23) 1,1-dichloroethene	6.63	61	38438	18.23	ug/L		97
24) acetone	6.75	43	14558	16.30	ug/L		93
25) allyl chloride	7.17	76	14191	18.93	ug/L		92
26) acetonitrile	7.23	40	20515	171.80	ug/L	#	70
27) iodomethane	6.93	142	49672	18.65	ug/L		99
28) carbon disulfide	7.04	76	89117	17.72	ug/L		98
29) 1-chloropropane	7.38	42	50878	18.19	ug/L	#	91
30) methylene chloride	7.38	49	46631	17.92	ug/L		99
31) methyl acetate	7.17	74	4224	19.53	ug/L	#	84
32) methyl tert butyl ether	7.66	73	87026	18.98	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	38166	18.05	ug/L		99
34) di-isopropyl ether	8.23	45	97808	17.84	ug/L		98
35) ethyl tert-butyl ether	8.70	59	95302	18.59	ug/L		99
36) 2-butanone	9.02	72	3724	17.56	ug/L	#	80
37) 1,1-dichloroethane	8.29	63	49477	17.97	ug/L		99
38) chloroprene	8.38	53	35897	18.37	ug/L		99
39) acrylonitrile	7.75	53	49689	98.13	ug/L		99
40) vinyl acetate	8.29	86	4267	19.84	ug/L		88
41) ethyl acetate	9.02	45	4584	20.23	ug/L	#	40
42) 2,2-dichloropropane	9.02	77	37679	17.53	ug/L		99
43) cis-1,2-dichloroethene	9.03	96	31314	17.61	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146752.D
Acq On : 25 Jun 2014 1:48 pm
Operator : prashans
Sample : CC6377-20
Misc : MS69208,VY6378,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:26:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	41331	212.29	ug/L		96
45) bromochloromethane	9.35	130	20460	18.48	ug/L		97
46) tetrahydrofuran	9.37	72	3984	19.78	ug/L		96
47) chloroform	9.40	83	48690	17.60	ug/L		98
48) tert-Butyl Formate	9.41	59	20352	19.62	ug/L		99
49) isobutyl alcohol	9.85	41	11042	198.17	ug/L	#	93
52) freon 113	6.58	151	19098	18.95	ug/L		95
53) methacrylonitrile	9.31	67	11204	19.04	ug/L		98
54) 1,1,1-trichloroethane	9.62	97	39179	18.22	ug/L		97
55) Cyclohexane	9.67	84	38783	17.67	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	103169	18.24	ug/L		98
57) tert-amyl methyl ether	10.07	73	93347	18.71	ug/L		98
59) epichlorohydrin	11.72	57	15334	106.08	ug/L		97
60) n-butyl alcohol	10.60	56	51955	1138.84	ug/L		99
61) carbon tetrachloride	9.81	117	35299	18.76	ug/L		99
62) 1,1-dichloropropene	9.80	75	35614	18.61	ug/L		97
63) hexane	7.97	57	34538	17.70	ug/L		98
64) Tert Amyl Alcohol	9.96	73	10256	108.18	ug/L	#	96
65) benzene	10.06	78	111244	17.86	ug/L		99
66) heptane	10.18	57	20927	18.11	ug/L		99
67) isopropyl acetate	9.98	61	12619	20.59	ug/L		96
68) 1,2-dichloroethane	10.11	62	34229	19.49	ug/L		99
69) trichloroethene	10.77	95	27757	18.37	ug/L		99
70) ethyl acrylate	10.78	55	34805	19.48	ug/L		100
71) 2-nitropropane	11.58	41	9282	18.81	ug/L	#	89
72) 2-chloroethyl vinyl ether	11.57	63	60846	94.64	ug/L		99
73) methyl methacrylate	11.05	69	20279	20.40	ug/L		95
74) 1,2-dichloropropane	11.06	63	29605	18.42	ug/L		96
75) methylcyclohexane	10.96	83	46087	18.54	ug/L		98
76) Tert-amyl ethyl ether	10.90	59	69215	18.74	ug/L		99
77) dibromomethane	11.22	93	18010	19.34	ug/L		97
78) bromodichloromethane	11.34	83	38811	18.76	ug/L		98
79) cis-1,3-dichloropropene	11.79	75	48832	18.67	ug/L		97
81) 4-methyl-2-pentanone	11.88	58	12135	21.04	ug/L		99
82) toluene	12.13	91	117211	17.50	ug/L		100
83) 3-methyl-1-butanol	11.91	70	18833	441.20	ug/L		99
84) trans-1,3-dichloropropene	12.35	75	44288	19.41	ug/L		99
85) ethyl methacrylate	12.32	69	37403	19.83	ug/L		99
86) 1,1,2-trichloroethane	12.57	83	22268	19.17	ug/L		99
87) 2-hexanone	12.72	58	12355	19.23	ug/L		98
89) tetrachloroethene	12.69	166	31558	18.51	ug/L		98
90) 1,3-dichloropropane	12.74	76	41359	19.55	ug/L		99
91) butyl acetate	12.78	56	18881	19.44	ug/L		94
92) dibromochloromethane	13.00	129	32114	19.43	ug/L		99
93) 1,2-dibromoethane	13.15	107	27574	20.27	ug/L		98
94) 3,3-Dimethyl-1-Butanol	12.89	57	34564	216.91	ug/L		99
96) chlorobenzene	13.59	112	77807	18.52	ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	29280	19.36	ug/L		99
98) ethylbenzene	13.62	91	127444	18.22	ug/L		98
99) m,p-xylene	13.73	106	99398	36.14	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146752.D
Acq On : 25 Jun 2014 1:48 pm
Operator : prashans
Sample : CC6377-20
Misc : MS69208,VY6378,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:26:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

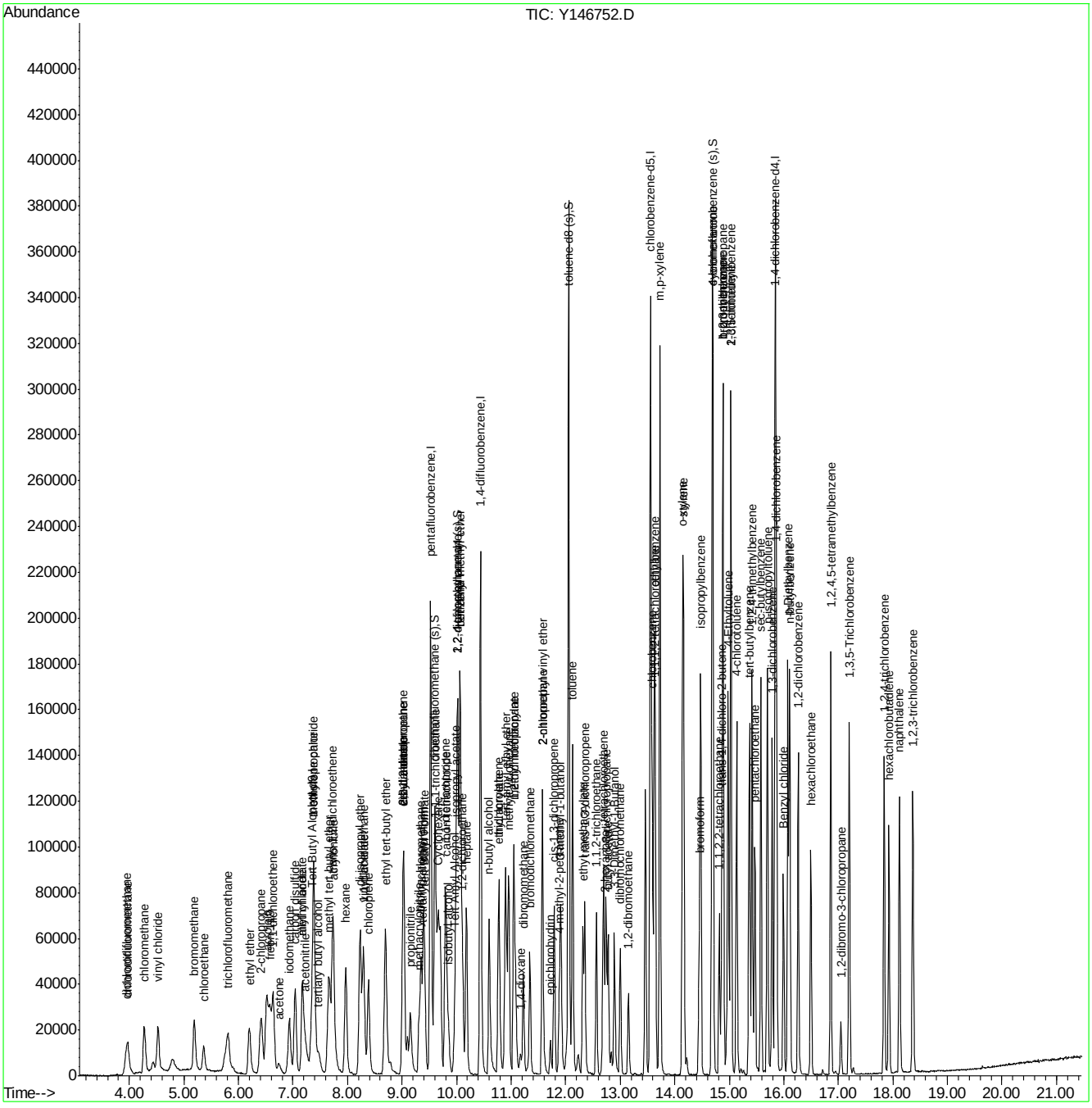
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
100) o-xylene	14.14	91	103829	18.60	ug/L		98
101) styrene	14.16	104	85947	19.48	ug/L		99
102) bromoform	14.45	173	23076	20.21	ug/L		96
104) isopropylbenzene	14.48	105	123215	17.76	ug/L		99
107) bromobenzene	14.89	156	36367	18.96	ug/L		99
108) cyclohexanone	14.69	55	64249	190.27	ug/L		95
109) 1,1,2,2-tetrachloroethane	14.82	83	38347	19.85	ug/L		99
110) trans-1,4-dichloro-2-buten	14.86	53	9193	19.91	ug/L		99
111) 1,2,3-trichloropropane	14.89	110	8474	20.16	ug/L		92
112) n-propylbenzene	14.88	91	142521	18.32	ug/L		100
113) 4-Ethyltoluene	14.98	105	120434	19.01	ug/L		99
114) 2-chlorotoluene	15.04	126	31785	18.77	ug/L		97
115) 4-chlorotoluene	15.14	91	92058	18.28	ug/L		100
116) 1,3,5-trimethylbenzene	15.03	105	103139	17.96	ug/L		99
117) tert-butylbenzene	15.37	119	86697	18.55	ug/L		100
118) pentachloroethane	15.47	167	22762	19.65	ug/L		97
119) 1,2,4-trimethylbenzene	15.42	105	104377	18.41	ug/L		99
120) sec-butylbenzene	15.58	105	134206	18.19	ug/L		100
121) 1,3-dichlorobenzene	15.79	146	67718	19.14	ug/L		97
122) p-isopropyltoluene	15.70	119	113557	18.62	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	68658	18.69	ug/L		98
124) 1,2-dichlorobenzene	16.27	146	64923	19.10	ug/L		100
125) n-butylbenzene	16.11	92	58968	18.69	ug/L		97
126) p-Diethylbenzene	16.08	119	66970	18.80	ug/L	#	82
127) 1,2-dibromo-3-chloropropan	17.05	157	7810	21.17	ug/L		97
128) 1,3,5-Trichlorobenzene	17.20	180	55474	19.16	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	49368	20.35	ug/L		98
130) 1,2,4,5-tetramethylbenzene	16.86	119	103881	19.10	ug/L		100
131) hexachlorobutadiene	17.93	225	26863	18.38	ug/L		97
132) naphthalene	18.12	128	104539	21.16	ug/L		100
133) 1,2,3-trichlorobenzene	18.37	180	44765	19.86	ug/L		99
134) hexachloroethane	16.50	119	22088	18.44	ug/L		99
135) Benzyl chloride	15.99	91	67842	19.99	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146752.D
Acq On : 25 Jun 2014 1:48 pm
Operator : prashans
Sample : CC6377-20
Misc : MS69208,VY6378,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 11:26:55 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146794.D
Acq On : 26 Jun 2014 10:05 am
Operator : prashans
Sample : CC6377-20
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	60257	500.00	ug/L		-0.01
5) pentafluorobenzene	9.52	168	184156	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.43	114	223799	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	193299	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.84	152	100782	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	72575	50.49	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 100.98%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	72747	47.88	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 95.76%				
80) toluene-d8 (s)	12.05	98	274535	53.04	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 106.08%				
105) 4-bromofluorobenzene (s)	14.70	95	96044	47.57	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 95.14%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	6991	484.52	ug/L	#	97
4) tertiary butyl alcohol	7.47	59	15828	99.17	ug/L		97
11) chlorodifluoromethane	3.97	51	26501	22.15	ug/L		97
12) dichlorodifluoromethane	3.95	85	28994	20.74	ug/L		95
13) chloromethane	4.27	50	38604	19.59	ug/L		97
14) vinyl chloride	4.52	62	35071	19.89	ug/L		100
16) bromomethane	5.19	94	26470	20.97	ug/L		96
17) chloroethane	5.36	64	16778	20.65	ug/L		98
19) trichlorofluoromethane	5.81	101	37890	20.03	ug/L		93
20) ethyl ether	6.20	74	15348	20.02	ug/L		97
21) 2-chloropropane	6.41	63	10955	20.48	ug/L		99
22) acrolein	6.52	56	56213	192.57	ug/L		98
23) 1,1-dichloroethene	6.64	61	37710	19.36	ug/L		98
24) acetone	6.74	43	14552	17.63	ug/L		98
25) allyl chloride	7.17	76	14419	20.82	ug/L		97
26) acetonitrile	7.22	40	19699	178.54	ug/L		89
27) iodomethane	6.93	142	49688	20.19	ug/L		99
28) carbon disulfide	7.03	76	87490	18.83	ug/L		99
29) 1-chloropropane	7.38	42	49376	19.11	ug/L		98
30) methylene chloride	7.37	49	45290	18.84	ug/L		98
31) methyl acetate	7.17	74	3821	19.11	ug/L	#	88
32) methyl tert butyl ether	7.66	73	82729	19.53	ug/L		98
33) trans-1,2-dichloroethene	7.72	61	39378	20.16	ug/L		96
34) di-isopropyl ether	8.23	45	96422	19.04	ug/L		98
35) ethyl tert-butyl ether	8.69	59	93092	19.65	ug/L		98
36) 2-butanone	9.02	72	3611	18.42	ug/L	#	82
37) 1,1-dichloroethane	8.29	63	51239	20.14	ug/L		98
38) chloroprene	8.38	53	36424	20.17	ug/L		98
39) acrylonitrile	7.75	53	46219	98.79	ug/L		99
40) vinyl acetate	8.29	86	4101	20.63	ug/L		59
41) ethyl acetate	9.01	45	3765	17.98	ug/L	#	1
42) 2,2-dichloropropane	9.02	77	38847	19.56	ug/L		98
43) cis-1,2-dichloroethene	9.03	96	32272	19.65	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146794.D
Acq On : 26 Jun 2014 10:05 am
Operator : prashans
Sample : CC6377-20
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	35792	198.96	ug/L		94
45) bromochloromethane	9.35	130	21186	20.71	ug/L		96
46) tetrahydrofuran	9.37	72	3417	18.36	ug/L		98
47) chloroform	9.39	83	51010	19.96	ug/L		99
48) tert-Butyl Formate	9.41	59	19227	20.06	ug/L		98
49) isobutyl alcohol	9.85	41	8785	170.63	ug/L	#	94
52) freon 113	6.58	151	19698	21.15	ug/L		96
53) methacrylonitrile	9.31	67	10189	18.74	ug/L		96
54) 1,1,1-trichloroethane	9.62	97	39244	19.76	ug/L		98
55) Cyclohexane	9.67	84	39440	19.45	ug/L	#	100
56) 2,2,4-trimethylpentane	10.01	57	101933	19.51	ug/L		95
57) tert-amyl methyl ether	10.07	73	89577	19.43	ug/L		97
59) epichlorohydrin	11.72	57	12976	94.47	ug/L		97
60) n-butyl alcohol	10.60	56	40276	929.16	ug/L		99
61) carbon tetrachloride	9.81	117	35346	19.77	ug/L		94
62) 1,1-dichloropropene	9.79	75	35950	19.77	ug/L		99
63) hexane	7.96	57	34417	18.56	ug/L		99
65) benzene	10.06	78	117189	19.80	ug/L		99
66) heptane	10.18	57	21500	19.58	ug/L		98
67) isopropyl acetate	9.98	61	11836	20.33	ug/L	#	26
68) 1,2-dichloroethane	10.11	62	34541	20.70	ug/L		99
69) trichloroethene	10.77	95	28845	20.09	ug/L		95
71) 2-nitropropane	11.58	41	8885	18.95	ug/L		97
72) 2-chloroethyl vinyl ether	11.57	63	69295	113.44	ug/L		99
73) methyl methacrylate	11.05	69	18248	19.32	ug/L		93
74) 1,2-dichloropropane	11.05	63	30441	19.94	ug/L		100
75) methylcyclohexane	10.95	83	45830	19.40	ug/L		100
77) dibromomethane	11.22	93	17890	20.22	ug/L		98
78) bromodichloromethane	11.34	83	39728	20.21	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	49570	19.95	ug/L		99
81) 4-methyl-2-pentanone	11.88	58	10451	19.07	ug/L		95
82) toluene	12.12	91	122283	19.21	ug/L		99
83) 3-methyl-1-butanol	11.91	70	14363	354.13	ug/L		99
84) trans-1,3-dichloropropene	12.35	75	44037	20.31	ug/L		99
85) ethyl methacrylate	12.32	69	35203	19.64	ug/L		99
86) 1,1,2-trichloroethane	12.56	83	22154	20.07	ug/L		97
87) 2-hexanone	12.72	58	11743	19.23	ug/L		97
89) tetrachloroethene	12.69	166	32601	19.76	ug/L		97
90) 1,3-dichloropropane	12.74	76	40174	19.62	ug/L		99
91) butyl acetate	12.78	56	18209	19.37	ug/L		95
92) dibromochloromethane	13.00	129	32175	20.11	ug/L		98
93) 1,2-dibromoethane	13.15	107	26925	20.45	ug/L		95
94) 3,3-Dimethyl-1-Butanol	12.89	57	26934	174.64	ug/L		99
96) chlorobenzene	13.58	112	81438	20.03	ug/L		98
97) 1,1,1,2-tetrachloroethane	13.65	131	29927	20.45	ug/L		99
98) ethylbenzene	13.62	91	131862	19.47	ug/L		100
99) m,p-xylene	13.73	106	103516	38.89	ug/L		99
100) o-xylene	14.14	91	106430	19.70	ug/L		99
101) styrene	14.16	104	88178	20.65	ug/L		99
102) bromoform	14.45	173	22114	20.01	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146794.D
Acq On : 26 Jun 2014 10:05 am
Operator : prashans
Sample : CC6377-20
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

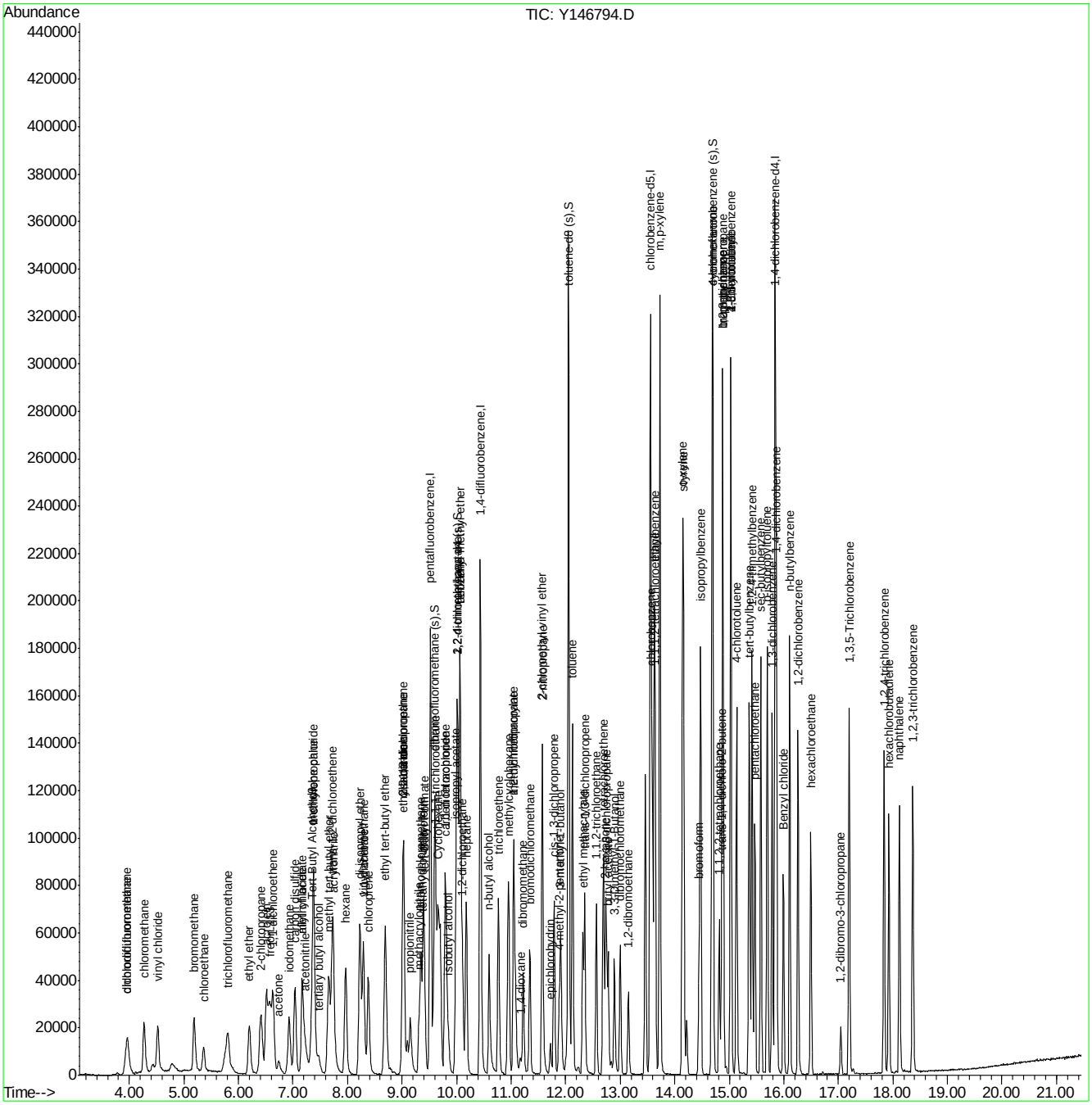
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
104) isopropylbenzene	14.47	105	126381	19.06	ug/L		99
107) bromobenzene	14.89	156	37436	20.42	ug/L		98
108) cyclohexanone	14.69	55	59358	183.92	ug/L		96
109) 1,1,2,2-tetrachloroethane	14.82	83	35756	19.36	ug/L		96
110) trans-1,4-dichloro-2-buten	14.85	53	8448	19.14	ug/L		92
111) 1,2,3-trichloropropane	14.89	110	7856	19.55	ug/L		96
112) n-propylbenzene	14.88	91	145729	19.60	ug/L		100
113) 4-Ethyltoluene	15.03	105	107084	17.68	ug/L	#	17
114) 2-chlorotoluene	15.04	126	32411	20.03	ug/L		97
115) 4-chlorotoluene	15.14	91	94431	19.61	ug/L		99
116) 1,3,5-trimethylbenzene	15.03	105	107084	19.51	ug/L		100
117) tert-butylbenzene	15.37	119	87345	19.55	ug/L		97
118) pentachloroethane	15.47	167	23382	21.12	ug/L		95
119) 1,2,4-trimethylbenzene	15.42	105	105736	19.51	ug/L		100
120) sec-butylbenzene	15.58	105	138523	19.64	ug/L		100
121) 1,3-dichlorobenzene	15.78	146	69431	20.53	ug/L		97
122) p-isopropyltoluene	15.70	119	116473	19.98	ug/L		99
123) 1,4-dichlorobenzene	15.87	146	70511	20.08	ug/L		99
124) 1,2-dichlorobenzene	16.26	146	65691	20.22	ug/L		100
125) n-butylbenzene	16.11	92	58459	19.39	ug/L		99
127) 1,2-dibromo-3-chloropropan	17.05	157	6895	19.55	ug/L		97
128) 1,3,5-Trichlorobenzene	17.20	180	56740	20.50	ug/L		99
129) 1,2,4-trichlorobenzene	17.84	180	48985	21.12	ug/L		98
131) hexachlorobutadiene	17.93	225	28190	20.18	ug/L		99
132) naphthalene	18.12	128	96929	20.52	ug/L		99
133) 1,2,3-trichlorobenzene	18.37	180	44892	20.84	ug/L		98
134) hexachloroethane	16.50	119	22723	19.84	ug/L		98
135) Benzyl chloride	15.99	91	63806	19.67	ug/L		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146794.D
Acq On : 26 Jun 2014 10:05 am
Operator : prashans
Sample : CC6377-20
Misc : MS69579,VY6380,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146826.D
Acq On : 27 Jun 2014 9:17 am
Operator : prashans
Sample : CC6377-20
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:25:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	63327	500.00	ug/L		0.00
5) pentafluorobenzene	9.52	168	187847	50.00	ug/L		0.00
58) 1,4-difluorobenzene	10.44	114	226573	50.00	ug/L		0.00
88) chlorobenzene-d5	13.56	117	194265	50.00	ug/L		0.00
103) 1,4-dichlorobenzene-d4	15.85	152	101736	50.00	ug/L		0.00
System Monitoring Compounds							
50) dibromofluoromethane (s)	9.60	113	74870	51.06	ug/L		0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 102.12%				
51) 1,2-dichloroethane-d4 (s)	10.02	65	76153	49.13	ug/L		0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 98.26%				
80) toluene-d8 (s)	12.06	98	277152	52.89	ug/L		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.78%				
105) 4-bromofluorobenzene (s)	14.70	95	96689	47.44	ug/L		0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 94.88%				
Target Compounds							Qvalue
2) 1,4-dioxane	11.18	88	6964	459.25	ug/L	#	99
4) tertiary butyl alcohol	7.47	59	16672	99.40	ug/L		99
11) chlorodifluoromethane	3.97	51	22165	18.16	ug/L		97
12) dichlorodifluoromethane	3.95	85	27339	19.17	ug/L		96
13) chloromethane	4.27	50	38112	18.96	ug/L		98
14) vinyl chloride	4.52	62	34815	19.36	ug/L		99
16) bromomethane	5.19	94	25839	20.07	ug/L		98
17) chloroethane	5.37	64	16417	19.81	ug/L		94
19) trichlorofluoromethane	5.81	101	36556	18.95	ug/L		97
20) ethyl ether	6.20	74	16339	20.89	ug/L		98
21) 2-chloropropane	6.42	63	10367	19.00	ug/L		91
22) acrolein	6.52	56	57362	192.65	ug/L		98
23) 1,1-dichloroethene	6.64	61	36790	18.51	ug/L		97
24) acetone	6.74	43	8290	9.85	ug/L		93
25) allyl chloride	7.18	76	13032	18.44	ug/L		97
26) acetonitrile	7.21	40	22837	202.91	ug/L		96
27) iodomethane	6.93	142	48495	19.31	ug/L		96
28) carbon disulfide	7.04	76	86000	18.14	ug/L		99
29) 1-chloropropane	7.38	42	50314	19.09	ug/L		97
30) methylene chloride	7.38	49	41699	17.00	ug/L		98
31) methyl acetate	7.18	74	3954	19.39	ug/L	#	83
32) methyl tert butyl ether	7.66	73	83544	19.33	ug/L		99
33) trans-1,2-dichloroethene	7.72	61	38288	19.21	ug/L		99
34) di-isopropyl ether	8.23	45	98840	19.13	ug/L		100
35) ethyl tert-butyl ether	8.69	59	95357	19.73	ug/L		99
36) 2-butanone	9.03	72	2869	14.35	ug/L	#	46
37) 1,1-dichloroethane	8.30	63	50011	19.27	ug/L		98
38) chloroprene	8.38	53	35744	19.41	ug/L		99
39) acrylonitrile	7.75	53	47052	98.59	ug/L		99
40) vinyl acetate	8.28	86	4135	20.40	ug/L		50
41) ethyl acetate	9.01	45	3681	17.23	ug/L		80
42) 2,2-dichloropropane	9.01	77	37406	18.46	ug/L		97
43) cis-1,2-dichloroethene	9.03	96	31313	18.69	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146826.D
Acq On : 27 Jun 2014 9:17 am
Operator : prashans
Sample : CC6377-20
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:25:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) propionitrile	9.15	54	37482	204.26 ug/L		92
45) bromochloromethane	9.35	130	20475	19.62 ug/L		96
46) tetrahydrofuran	9.38	72	3553	18.72 ug/L		95
47) chloroform	9.39	83	49422	18.95 ug/L		98
48) tert-Butyl Formate	9.41	59	19524	19.97 ug/L		99
49) isobutyl alcohol	9.85	41	9053	172.38 ug/L	#	98
52) freon 113	6.57	151	18183	19.14 ug/L		97
53) methacrylonitrile	9.31	67	10641	19.19 ug/L		97
54) 1,1,1-trichloroethane	9.62	97	38071	18.79 ug/L		97
55) Cyclohexane	9.67	84	37541	18.15 ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	100973	18.94 ug/L		96
57) tert-amyl methyl ether	10.07	73	91829	19.53 ug/L		99
59) epichlorohydrin	11.72	57	13577	97.64 ug/L		99
60) n-butyl alcohol	10.60	56	42202	961.67 ug/L		97
61) carbon tetrachloride	9.81	117	33976	18.78 ug/L		98
62) 1,1-dichloropropene	9.80	75	34713	18.85 ug/L		98
63) hexane	7.97	57	34012	18.12 ug/L		97
65) benzene	10.06	78	112539	18.78 ug/L		99
66) heptane	10.18	57	20993	18.89 ug/L		95
67) isopropyl acetate	9.99	61	12061	20.46 ug/L	#	26
68) 1,2-dichloroethane	10.11	62	34863	20.63 ug/L		99
69) trichloroethene	10.77	95	27633	19.01 ug/L		99
71) 2-nitropropane	11.58	41	8722	18.37 ug/L	#	59
72) 2-chloroethyl vinyl ether	11.57	63	62541	101.13 ug/L		97
73) methyl methacrylate	11.05	69	18149	18.98 ug/L		91
74) 1,2-dichloropropane	11.06	63	30048	19.44 ug/L		97
75) methylcyclohexane	10.96	83	45347	18.96 ug/L		98
77) dibromomethane	11.22	93	18150	20.26 ug/L		92
78) bromodichloromethane	11.34	83	39201	19.70 ug/L		100
79) cis-1,3-dichloropropene	11.79	75	48733	19.37 ug/L		99
81) 4-methyl-2-pentanone	11.88	58	10803	19.47 ug/L		98
82) toluene	12.13	91	115763	17.97 ug/L		100
83) 3-methyl-1-butanol	11.91	70	15167	369.38 ug/L		98
84) trans-1,3-dichloropropene	12.35	75	43674	19.90 ug/L		99
85) ethyl methacrylate	12.32	69	33935	18.70 ug/L		97
86) 1,1,2-trichloroethane	12.56	83	22157	19.83 ug/L		100
87) 2-hexanone	12.72	58	10615	17.17 ug/L		94
89) tetrachloroethene	12.69	166	30170	18.19 ug/L		98
90) 1,3-dichloropropane	12.74	76	40942	19.90 ug/L		100
91) butyl acetate	12.78	56	18497	19.58 ug/L		99
92) dibromochloromethane	13.00	129	31927	19.86 ug/L		97
93) 1,2-dibromoethane	13.15	107	26153	19.76 ug/L		100
94) 3,3-Dimethyl-1-Butanol	12.89	57	28030	180.84 ug/L		99
96) chlorobenzene	13.59	112	78225	19.15 ug/L		99
97) 1,1,1,2-tetrachloroethane	13.65	131	28806	19.58 ug/L		96
98) ethylbenzene	13.62	91	125769	18.48 ug/L		99
99) m,p-xylene	13.73	106	98413	36.78 ug/L		99
100) o-xylene	14.15	91	102097	18.80 ug/L		100
101) styrene	14.16	104	84115	19.60 ug/L		99
102) bromoform	14.45	173	21510	19.37 ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146826.D
Acq On : 27 Jun 2014 9:17 am
Operator : prashans
Sample : CC6377-20
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:25:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

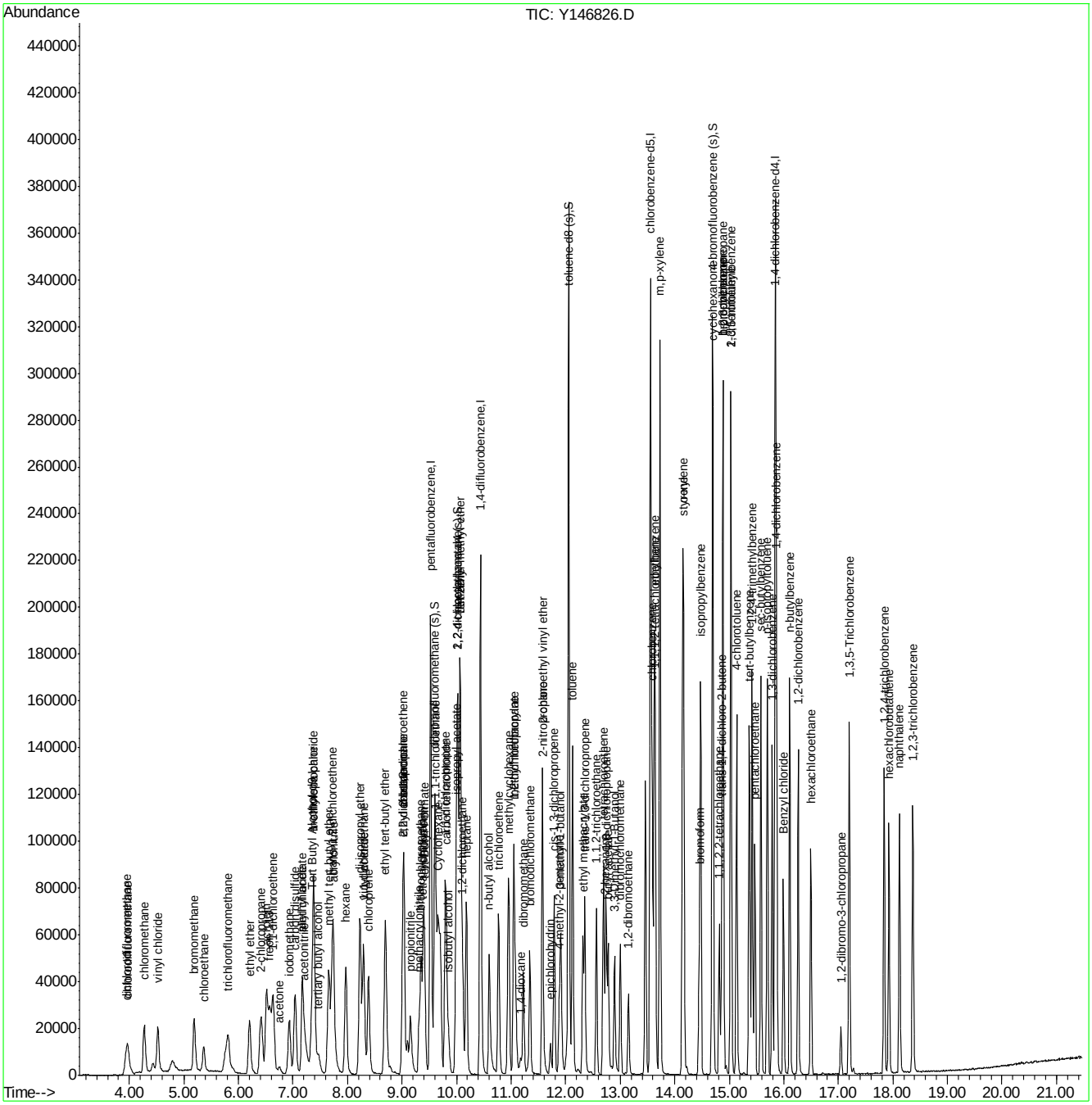
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
104) isopropylbenzene	14.48	105	119609	17.87 ug/L	99
107) bromobenzene	14.89	156	35949	19.43 ug/L	96
108) cyclohexanone	14.69	55	23701	72.75 ug/L	89
109) 1,1,2,2-tetrachloroethane	14.82	83	35828	19.22 ug/L	100
110) trans-1,4-dichloro-2-buten	14.86	53	8708	19.54 ug/L	95
111) 1,2,3-trichloropropane	14.89	110	7931	19.56 ug/L	98
112) n-propylbenzene	14.88	91	139154	18.54 ug/L	99
114) 2-chlorotoluene	15.04	126	30883	18.90 ug/L	98
115) 4-chlorotoluene	15.14	91	90465	18.61 ug/L	98
116) 1,3,5-trimethylbenzene	15.03	105	101194	18.26 ug/L	100
117) tert-butylbenzene	15.37	119	84046	18.64 ug/L	100
118) pentachloroethane	15.47	167	22706	20.32 ug/L	96
119) 1,2,4-trimethylbenzene	15.42	105	99974	18.27 ug/L	100
120) sec-butylbenzene	15.58	105	128735	18.08 ug/L	100
121) 1,3-dichlorobenzene	15.79	146	65996	19.33 ug/L	97
122) p-isopropyltoluene	15.70	119	108644	18.46 ug/L	99
123) 1,4-dichlorobenzene	15.87	146	66530	18.77 ug/L	98
124) 1,2-dichlorobenzene	16.27	146	62671	19.11 ug/L	99
125) n-butylbenzene	16.11	92	54600	17.94 ug/L	97
127) 1,2-dibromo-3-chloropropan	17.05	157	6730	18.91 ug/L	94
128) 1,3,5-Trichlorobenzene	17.20	180	53130	19.02 ug/L	100
129) 1,2,4-trichlorobenzene	17.84	180	45902	19.61 ug/L	99
131) hexachlorobutadiene	17.93	225	26353	18.69 ug/L	100
132) naphthalene	18.12	128	92881	19.48 ug/L	99
133) 1,2,3-trichlorobenzene	18.37	180	42481	19.53 ug/L	97
134) hexachloroethane	16.50	119	21479	18.58 ug/L	100
135) Benzyl chloride	15.99	91	63650	19.44 ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : Y146826.D
Acq On : 27 Jun 2014 9:17 am
Operator : prashans
Sample : CC6377-20
Misc : MS69577,VY6381,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:25:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146859.D
Acq On : 30 Jun 2014 10:58 am
Operator : prashans
Sample : CC6377-20
Misc : MS69575,VY6383,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:50:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Tert Butyl Alcohol-d9	7.35	65	56584	500.00	ug/L	-0.01
5) pentafluorobenzene	9.52	168	181336	50.00	ug/L	0.00
58) 1,4-difluorobenzene	10.44	114	213124	50.00	ug/L	0.00
88) chlorobenzene-d5	13.56	117	178483	50.00	ug/L	0.00
103) 1,4-dichlorobenzene-d4	15.85	152	90413	50.00	ug/L	0.00
System Monitoring Compounds						
50) dibromofluoromethane (s)	9.60	113	66127	46.72	ug/L	0.00
Spiked Amount 50.000	Range 59 - 130		Recovery = 93.44%			
51) 1,2-dichloroethane-d4 (s)	10.02	65	67983	45.44	ug/L	0.00
Spiked Amount 50.000	Range 65 - 123		Recovery = 90.88%			
80) toluene-d8 (s)	12.06	98	259834	52.72	ug/L	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 105.44%			
105) 4-bromofluorobenzene (s)	14.70	95	87653	48.39	ug/L	0.00
Spiked Amount 50.000	Range 71 - 132		Recovery = 96.78%			
Target Compounds						Qvalue
2) 1,4-dioxane	11.17	88	6682	493.17	ug/L #	98
4) tertiary butyl alcohol	7.46	59	15432	102.97	ug/L	95
11) chlorodifluoromethane	3.97	51	18469	15.68	ug/L	95
12) dichlorodifluoromethane	3.95	85	26555	19.29	ug/L	90
13) chloromethane	4.27	50	35902	18.50	ug/L	99
14) vinyl chloride	4.52	62	32872	18.93	ug/L	97
16) bromomethane	5.19	94	23037	18.53	ug/L	100
17) chloroethane	5.36	64	15554	19.44	ug/L	94
19) trichlorofluoromethane	5.80	101	36006	19.33	ug/L	99
20) ethyl ether	6.20	74	15107	20.01	ug/L	94
21) 2-chloropropane	6.41	63	11292	21.44	ug/L	92
22) acrolein	6.52	56	55189	192.00	ug/L	99
23) 1,1-dichloroethene	6.63	61	39101	20.38	ug/L	99
24) acetone	6.74	43	14972	18.42	ug/L	93
25) allyl chloride	7.16	76	13911	20.40	ug/L	94
26) acetonitrile	7.22	40	19347	178.07	ug/L	92
27) iodomethane	6.93	142	48293	19.92	ug/L	98
28) carbon disulfide	7.03	76	89438	19.55	ug/L	98
29) 1-chloropropane	7.38	42	52563	20.66	ug/L	97
30) methylene chloride	7.38	49	41214	17.41	ug/L	95
31) methyl acetate	7.17	74	3590	18.24	ug/L #	84
32) methyl tert butyl ether	7.66	73	80827	19.38	ug/L	99
33) trans-1,2-dichloroethene	7.72	61	39143	20.35	ug/L	98
34) di-isopropyl ether	8.23	45	90665	18.18	ug/L	98
35) ethyl tert-butyl ether	8.69	59	84758	18.17	ug/L	98
36) 2-butanone	9.02	72	4041	20.94	ug/L #	91
37) 1,1-dichloroethane	8.29	63	50258	20.06	ug/L	99
38) chloroprene	8.38	53	33075	18.60	ug/L	96
39) acrylonitrile	7.75	53	46574	101.09	ug/L	97
40) vinyl acetate	8.28	86	3496	17.86	ug/L #	70
41) ethyl acetate	9.01	45	3802	18.44	ug/L #	23
42) 2,2-dichloropropane	9.01	77	39214	20.05	ug/L	97
43) cis-1,2-dichloroethene	9.03	96	31150	19.26	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146859.D
Acq On : 30 Jun 2014 10:58 am
Operator : prashans
Sample : CC6377-20
Misc : MS69575,VY6383,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:50:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) propionitrile	9.15	54	38178	215.53	ug/L		97
45) bromochloromethane	9.35	130	19366	19.22	ug/L		96
46) tetrahydrofuran	9.38	72	3627	19.79	ug/L		95
47) chloroform	9.39	83	48690	19.34	ug/L		99
48) tert-Butyl Formate	9.41	59	17494	18.54	ug/L		97
49) isobutyl alcohol	9.85	41	9131	180.11	ug/L	#	97
52) freon 113	6.58	151	16359	17.84	ug/L		97
53) methacrylonitrile	9.31	67	10159	18.97	ug/L		92
54) 1,1,1-trichloroethane	9.62	97	39384	20.13	ug/L		98
55) Cyclohexane	9.66	84	39509	19.78	ug/L	#	98
56) 2,2,4-trimethylpentane	10.01	57	98249	19.10	ug/L		96
57) tert-amyl methyl ether	10.07	73	81187	17.88	ug/L		98
59) epichlorohydrin	11.72	57	12411	94.89	ug/L		99
60) n-butyl alcohol	10.60	56	39717	962.16	ug/L		97
61) carbon tetrachloride	9.81	117	35078	20.61	ug/L		100
62) 1,1-dichloropropene	9.79	75	35948	20.76	ug/L		97
63) hexane	7.96	57	31996	18.12	ug/L		98
65) benzene	10.06	78	110984	19.69	ug/L		98
66) heptane	10.18	57	20476	19.59	ug/L		99
67) isopropyl acetate	9.98	61	11107	20.03	ug/L	#	25
68) 1,2-dichloroethane	10.11	62	34185	21.51	ug/L		99
69) trichloroethene	10.77	95	27728	20.28	ug/L		97
71) 2-nitropropane	11.58	41	8423	18.86	ug/L	#	42
72) 2-chloroethyl vinyl ether	11.57	63	49723	85.47	ug/L		100
73) methyl methacrylate	11.04	69	17905	19.91	ug/L		96
74) 1,2-dichloropropane	11.05	63	29714	20.44	ug/L		99
75) methylcyclohexane	10.95	83	42258	18.78	ug/L		98
77) dibromomethane	11.22	93	17191	20.40	ug/L		98
78) bromodichloromethane	11.34	83	37482	20.03	ug/L		99
79) cis-1,3-dichloropropene	11.79	75	47075	19.89	ug/L		98
81) 4-methyl-2-pentanone	11.88	58	10976	21.03	ug/L		97
82) toluene	12.13	91	114849	18.95	ug/L		98
83) 3-methyl-1-butanol	11.91	70	14069	364.26	ug/L		97
84) trans-1,3-dichloropropene	12.35	75	42867	20.76	ug/L		96
85) ethyl methacrylate	12.32	69	34261	20.07	ug/L		96
86) 1,1,2-trichloroethane	12.56	83	20991	19.97	ug/L		97
87) 2-hexanone	12.72	58	12708	21.86	ug/L		96
89) tetrachloroethene	12.69	166	30709	20.15	ug/L		98
90) 1,3-dichloropropane	12.74	76	38992	20.62	ug/L		99
91) butyl acetate	12.78	56	16406	18.90	ug/L		92
92) dibromochloromethane	13.00	129	30022	20.33	ug/L		99
93) 1,2-dibromoethane	13.15	107	25219	20.74	ug/L		99
94) 3,3-Dimethyl-1-Butanol	12.89	57	26223	184.14	ug/L		99
96) chlorobenzene	13.58	112	74803	19.93	ug/L		96
97) 1,1,1,2-tetrachloroethane	13.65	131	27715	20.51	ug/L		99
98) ethylbenzene	13.62	91	125410	20.06	ug/L		99
99) m,p-xylene	13.73	106	96895	39.42	ug/L		99
100) o-xylene	14.14	91	101031	20.25	ug/L		98
101) styrene	14.16	104	81397	20.64	ug/L		100
102) bromoform	14.45	173	20998	20.58	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146859.D
Acq On : 30 Jun 2014 10:58 am
Operator : prashans
Sample : CC6377-20
Misc : MS69575,VY6383,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:50:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration

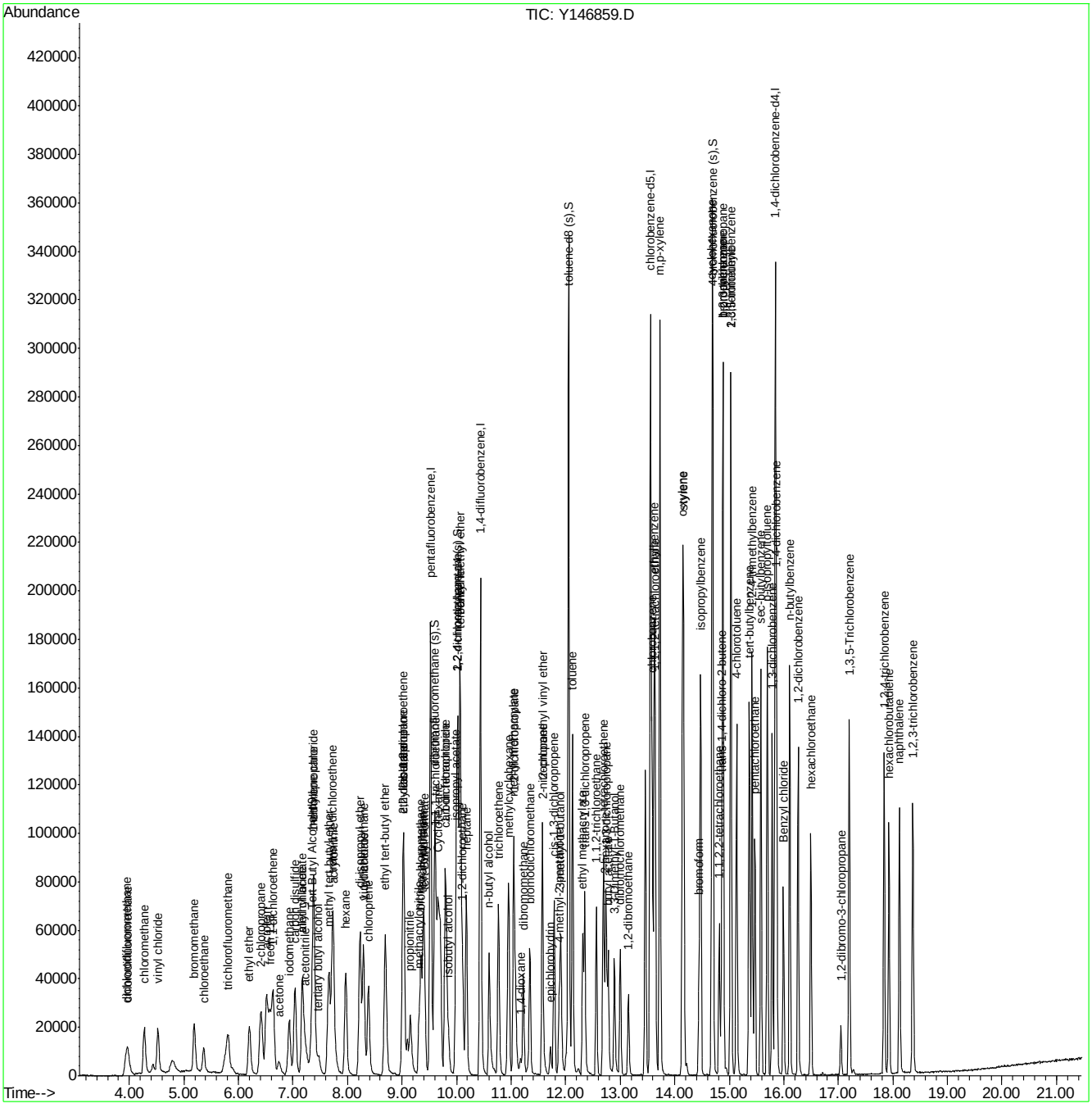
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) isopropylbenzene	14.48	105	119992	20.18	ug/L	99
107) bromobenzene	14.89	156	34416	20.93	ug/L	97
108) cyclohexanone	14.68	55	67052	231.58	ug/L	98
109) 1,1,2,2-tetrachloroethane	14.82	83	34701	20.95	ug/L	97
110) trans-1,4-dichloro-2-buten	14.86	53	8541	21.57	ug/L	98
111) 1,2,3-trichloropropane	14.89	110	7633	21.18	ug/L	96
112) n-propylbenzene	14.88	91	140497	21.06	ug/L	99
114) 2-chlorotoluene	15.04	126	30422	20.95	ug/L	99
115) 4-chlorotoluene	15.14	91	88434	20.47	ug/L	99
116) 1,3,5-trimethylbenzene	15.03	105	101173	20.54	ug/L	99
117) tert-butylbenzene	15.37	119	83954	20.95	ug/L	99
118) pentachloroethane	15.47	167	21244	21.39	ug/L	96
119) 1,2,4-trimethylbenzene	15.42	105	99500	20.46	ug/L	99
120) sec-butylbenzene	15.58	105	129398	20.45	ug/L	99
121) 1,3-dichlorobenzene	15.79	146	63948	21.08	ug/L	98
122) p-isopropyltoluene	15.70	119	109389	20.92	ug/L	99
123) 1,4-dichlorobenzene	15.87	146	65213	20.70	ug/L	99
124) 1,2-dichlorobenzene	16.27	146	60837	20.87	ug/L	100
125) n-butylbenzene	16.11	92	54972	20.32	ug/L	97
127) 1,2-dibromo-3-chloropropan	17.05	157	6518	20.60	ug/L	95
128) 1,3,5-Trichlorobenzene	17.20	180	53162	21.41	ug/L	99
129) 1,2,4-trichlorobenzene	17.84	180	45071	21.66	ug/L	99
131) hexachlorobutadiene	17.93	225	26003	20.75	ug/L	94
132) naphthalene	18.12	128	91477	21.59	ug/L	99
133) 1,2,3-trichlorobenzene	18.37	180	41311	21.37	ug/L	99
134) hexachloroethane	16.50	119	21221	20.66	ug/L	99
135) Benzyl chloride	15.99	91	57817	19.87	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA\
Data File : Y146859.D
Acq On : 30 Jun 2014 10:58 am
Operator : prashans
Sample : CC6377-20
Misc : MS69575,VY6383,5.0,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 16:50:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\MYS6377.M
Quant Title : Method SW846 8260B, ZB624 60m x 0.25mm x 1.4um
QLast Update : Wed Jun 25 11:30:58 2014
Response via : Initial Calibration



ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V2B5440

Date: 6/3/2014

Print Analyst Name: Payal Rana

Analyst Signature: Payal Rana

Columns: DB624

Method V8260B

Initial Cal. Method MV2B5440

Standard Data

Lot #	Description	Conc.
014-1861-25	8260A	100/110
19	B	
25	C	
V05	Acrolein	1000/110
44	Ethanol	10000/110

Standard Data

Lot #	Description	Conc.
014-1864-25	524.2A	100/110
24	B	
36	C	
6/4-1121-03	Acrolein	1000/110
014-1861-45	Ethanol	10000/110

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of Accutest SOP EQA044.

92 Internal std 250/5000/110 014-1961-55 Surrogate 100 PPB Hexane

Supervisor Signature: Date: 6/4/2014

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	2B1198 37	BFB				1	5		1X				ok		4:40pm
	1198 38	IC5440-0.2	8260 Initial	A B		2	5		1X				ok	0.2 STD(A,B,C,ACR ETHL) (ethanol NG.	
	1198 39	IC5440-0.5				3	5		1X				ok	0.5	
	1198 40	IC5440-1				4	5		1X				ok	1	
	1198 41	IC5440-2				5	5		1X				ok	2	
	1198 42	IC5440-5				6	5		1X				ok	5	0
	1198 43	IC5440-10				7	5		1X				ok	10	
	1198 44	IC5440-20				8	5		1X				ok	20	
	1198 45	IC5440-50				9	5		1X				ok	50	
	1198 46	IC5440-100				10	5		1X				ok	100	
	1198 47	IC5440-200				11	5		1X				ok	200	
	1198 48	IB				12	5		1X				dump		
	1198 49	IB				13	5		1X				dump		
	1198 50	ICV5440-50				14	5		1X				ok	2nd A-13 C-Acrolein 2nd Ethanol	
	1198 51	IB				15	5		1X				25ul→5ml dump		
		Isopropylbenzene up			100	ppb								YL 6/4/2014	

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

VOLATILE ANALYSIS LOG

Batch ID: V2B5478

Print Analyst Name: Payal Rane

Analyst Signature: Payal Rane

Date: 6/27/2014

Columns: DB624

Method 8260C

Initial Cal. Method MED5740

Standard Data

Lot #	Description	Conc.
14-132-62	STD A	100 ppm
61	B	↓
84	C	↓
63	ATRolisw	1000 ppm
60	IS	40/5000 ppm

Standard Data

Lot #	Description	Conc.
A-186-71	STD A	100 ppm
98	B	↓
99	C	↓
81	ATRolisw	1000 ppm
2W13	rH Paper	Expires 11/14

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: Yhuh **Date:** 6/30/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	26120708	BFB				25	5		1X				ok	ave 15. 782: 1588	9:45 P.M.
	120709	CCS440-50				26	5		1X				OK		
	120710	IB				27	5		1X				EO		
	120711	MB				28	5		1X				OK		
	120712	BS				29	5		1X				OK		
	120715	JB69725-1 BS	69463 TC2117	W	3/4	30	5		1X				OK		✓
	120714	JB69725-1 ASD	↓	↓	3/4	31	5		1X				OK		✓
	120715	IB				32	5		1X				EO		
	120716	JB69926-11	69576 TC120	SB	4	33	5		1X				OK		✓
	120717	JB69926-12	↓	SB	2	34	5		1X				OK		✓
	120718	JB69697-2	69444 SL	WB	3	35	5		1X				OK		✓
	120719	JB69725-3	69463 TC117	W	1	36	5		1X	+			OK		✓
	120720	JB69725-1	↓	W	3	37	5		1X	+			OK		✓
	120721	JB69725-2	↓	↓	3	38	5		1X	+			OK		✓
	120722	JB69697-4	69444 SL	SW	11	39	5		1X				OK		✓
	120723	JB69748-1	69533 TC107	W	7	40	5		1X	+			OK		✓
	120724	IB				41	5		1X				EO		

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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: V265478

Print Analyst Name: Payal Rana

Analyst Signature: Payal Rana

Date: 6/27/2014

Columns: PAG24

Method V8260C

Initial Cal. Method MV05440

Standard Data

Lot #	Description	Conc.
	Refunto	

Standard Data

Lot #	Description	Conc.
	Payal 169	

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: 6/30/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	26120725	JB56878B-6A	65323 NOL verification			42	5		1X					0.2	
	120726	JB56878B-6C	↓			43	5		1X					0.5	
	120727	JB56878B-6F				44	5		1X					0.75	
	120728	JB56878B-6D				45	5		1X					1	
	120729	JB56878B-6G	↓			46	5		1X					2 8:44 AM	

PR 6/27

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

171

7.8.2

7

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VY6377

Print Analyst Name: Prashant B Sakk

Analyst Signature:

Date: 6/24/14

Columns: 2B624

Method V8260C only

Initial Cal. Method MYS6377

Standard Data

Lot #	Description	Conc.
IN1561-81	Acrolein	1000 PPM
63	Ext. Acrolein	↓
59	IM	200/500 PPM
66	Surr	100 PPM
69	S	↓
65	Ext Surr	

Standard Data

Lot #	Description	Conc.
IN1561-71	STD A	100 PPM
78	B	
79	C	
62	Ext A	
61	B	
70	C	

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: Brad Date: 6/25/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
Y	1n6732	BFB	TUNE	S		1							ON	10:07 AM	
	1n6733	IC6377-0.2	IC 8260			2	5						ON	0.4 mL STD A+B+IC+AC+S+Sm / 200 mL DI H2O	
	1n6734	IC6377-0.5	IC 8260			3	5						ON	1.0 mL STD A+B+IC+AC+S+Sm / 200 mL DI H2O	
	1n6735	IC6377-1	IC 8260			4	5						ON	1.0 mL STD A+B+IC+S+Sm + 100ul AC / 100 mL DI H2O	
	1n6736	IC6377-2	IC 8260			5	5						ON	2.0 mL STD A+B+IC+S+Sm + 100ul AC / 100 mL DI H2O	
	1n6737	IC6377-5	IC 8260			6	5						ON	5.0 mL STD A+B+IC+AC+S+Sm / 100 mL DI H2O	
	1n6738	IC6377-10	IC 8260			7	5						ON	5.0 mL STD A+B+IC+AC+S+Sm / 50 mL DI H2O	
	1n6739	IC6377-20	IC 8260			8	5						ON	10.0 mL STD A+B+IC+AC+S+Sm + 250ul AC / 50 mL DI H2O	
	1n67h0	IC6377-50	IC 8260			9	5						ON	25.0 mL STD A+B+IC+AC+S+Sm / 50 mL DI H2O	
	1n67h1	IC6377-100	IC 8260			10	5						ON	50.0 mL STD A+B+IC+S+Sm + 0.5 mL AC / 50 mL DI H2O	
	1n67h2	IC6377-200	IC 8260			11	5						ON	100.0 mL STD A+B+IC+S+Sm + 1.0 mL AC / 50 mL DI H2O	
	1n67h3	IB				12							-	CCV	
	1n67h4	IB				13							-	CCV	
	1n67h5	ICV6377-50	ICV 8260			14	5						NC	25.0 mL Ext STD A+B+IC+AC+S+Sm + Hexane → reviewer 50 mL DI H2O	
	1n67h6	IB				15							-		
	1n67h7	BFB 2				16							ON		
	1n67h8	ICV6377-50	ICV 8260			17	5						ON	25.0 mL Ext STD A+B+IC+AC+S+Sm + Hexane 50 mL DI H2O	

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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VY6378

Date: 6/25/14

Print Analyst Name: Roshani B Shukla

Analyst Signature:

Columns: 23 62A

Method V 8260 C

Initial Cal. Method MYS 6377

Standard Data

Lot #	Description	Conc.
dlw-1866-69	Acrolein	1000 PPM
63	Ext Acrolein	↓
74	Int Surr.	250/500/1000 PPM
65	Ext Hexane	100 PPM
69	S	

Standard Data

Lot #	Description	Conc.
dlw-1861-27	Std A	100 PPM
34	B	
77	C	
62	Ext A	
61	B	

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: Dated Date: 6/26/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	1h6751	BFB				1							ok	1:16 PM	
	1h6752	CC6377-20				2					✓		ok	10µl Std A+B+C+AC+TS / SOM DCU	
	1h6753	IB				3							ok		
	1h6754	MB				4					✓		ok		
	1h6755	BS				5					✓		ok	25µl Ext A+B+C+Acrs+Hexane / SOM Dilute	
	1h6756	IB				6							ok		
	1h6757	SB70081-1	MS69678 TCL20+	S	4	7	4.3				✓		ok		
	1h6758	SB70081-2			4	8	5.4				✓		ok		
	1h6759	SB70081-3			4	9	4.3				✓		ok		
	1h6760	SB70081-4			4	10	6.5				✓		ok		
	1h6761	SB70081-1 DUP			5	11	5.6				✓		ok		
	1h6762	SB70081-2 MS			5	12	5.2				✓		ok	25µl Std A+B+C+AC / In Sample	
	1h6763	IB				13					✓		-		
	1h6764	SB70081-5			4	14	6.3				✓		ok		
	1h6765	SB70081-6			4	15	4.5				✓		ok		
	1h6766	SB70081-7			3	16	5.5				✓		ok		
	1h6767	SB70081-8			4	17	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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VY6378

Date: 6/25/14

Print Analyst Name: Prashant B Shah

Analyst Signature:

Columns: 2B 62h

Method V8260C

Initial Cal. Method MYS6377

Standard Data

Lot #	Description	Conc.
	Refer to	

Standard Data

Lot #	Description	Conc.
	Page # 5	

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: Dated Date: 6/26/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	146768	JB70081-9	MS69178 TCL2+	S	4	18	5.1						ON		
	146769	JB69400-3	MS69208 STAR		6	19	6.1						ON		
	146770	JB69400-8	↓		6	20	5.5						ON		
	146771	JB69400-9	↓		6	21	5.4						ON		
	146772	JB69926-1	MS69575 STAR		4	22	6.0						ON		
	146773	JB69926-2	↓		3	23	5.1						ON		
	146774	JB69436-8	MS69288 STD	O	4	24	1.0						DL/DL	12:55am	
	146775	IB				25									

6/26/14

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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VY6380

Date: 6/26/14

Print Analyst Name: Prashant B. Jhaveri

Analyst Signature:

Columns: 2B 624

Method V8260C

Initial Cal. Method MYS6377

Standard Data

Lot #	Description	Conc.
VU1861-h2	Acrolein	1000/1M
63	Ext Acrolein	↓
74	Int Surr	200/960/50M
65	Ext Hexane	100/1M

Standard Data

Lot #	Description	Conc.
VU1861-29	STD A	100/5M
34	B	
77	C	
12	Ext A	
41	B	

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: Patel Date: 6/30/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	Y146793	BFB				1							ok	9:19 am	
	146794	LC 6377-8 20				2							ok	10ml STD A+B+C+AC / 50 ml DI H2O	
	146795	IB				3							ok		
	146796	MB				4							ok		
	146797	BS				5							ok	10ml Ext A+B+C+AC + Hexane / 50 ml DI H2O	
	146798	JB69968-1MS	MS 69579 STAR	S	1	6	4.5						ok	25ml STD A+B+C+AC / 5 ml Surr	
	146799	JB69968-1MSD			1	7	4.5						ok	↓	
M	146800	JB69436-8			4		0.5						ok	+Y	
	146800A	IB				8							ok		
	146801	JB69968-1			1	9	4.7						ok		
	146802	JB69968-4	↓	↓	1	10	4.6						RW		
	146803	JB69926-10	MS69575 STAR	S	3	11	5.2						ok		
	146804	JB69926-13			3	12	6.4						ok		
	146805	JB69926-15			3	13	6.2						ok		
	146806	JB69926-16			3	14	6.7						ok		
	146807	JB69926-17	↓		3	15	6.5						ok		
	146808	JB69747-1	MS69502 STAR		4	16	4.9						ok		
	146809	JB69747-2	↓	↓	4	17	4.4						ok		

PLS Read Comment in Logging Page for 146798

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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VY6380

Date: 6/26/14

Print Analyst Name: Prashant B. Shah

Analyst Signature:

Columns: ZB 624

Method V8260C

Initial Cal. Method MYS 6377

Standard Data		
Lot #	Description	Conc.
	Refrev	1x

Standard Data		
Lot #	Description	Conc.
	Reg # 11	

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: Prate Date: 6/30/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	1h6814	JB69747-3	MS69502 STAR	SL	4	18	5.8				✓		ON		
	1h6815	JB69747-4	↓		4	19	5.5				✓		ON		
	1h6816	JB69747-5	↓		4	20	5.8				✓		ON		
	1h6817	JB69926-18	MS69575 STAR		3	21	6.8				✓		ON		
	1h6818	JB69926-14	↓		3	22	6.1				✓		ON	8:51 PM	
	1h6819	JB				23							Co		
	1h6820	BFB2				24							not used	9:48 PM	
	1h6821	CC 6377-50				25					✓		NO	CC ↓ ASSIGNED AUTOMATICALLY	DIM
	1h6822	JB				26							Co		
	1h6823	MB2				27					✓		not used		
	1h6824	JB69905-1	MS69577 STAR	SL	4	28	5.5				✓		RR	RR LL B/F	
	1h6825	JB69905-2	↓		4	29	6.6				✓		↓	↓	
	1h6826	JB69905-3			4	30	6.0				✓				
	1h6827	JB69905-4			4	31	6.1				✓				
	1h6828	JB69905-5			4	32	6.3				✓		↓		
	1h6829	JB69905-6	↓		4	33	5.4						Not ran	out of ht	

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.

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Form: OR001-9
Rev. Date: 2/14/2007

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VY6381

Date: 6/27/14

Print Analyst Name: Prashant B Shukla

Analyst Signature:

Columns: 2B 624

Method V8260C

Initial Cal. Method MYS6377

Standard Data

Lot #	Description	Conc.
IM-1861-81	Acrolein	1000 PPM
63	Ext. Acrolein	↓
74	Int Surr.	250/500 PPM
65	Ext Mixture	100 PPM

Standard Data

Lot #	Description	Conc.
IM-1861-71	Std A	100 PPM
78	B	
82	C	
62	Ext A	
61	B	

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: Patel Date: 6/30/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	Y														
	1h6825	BFB				1							OK	8.41 AM	
	1h6826	CC6377-20				2					✓		OK	10/1 Std A+B+C/AC / 50ml DI	
	1h6827	IB				3							OK		
	1h6828	MB				4					✓		OK		
	1h6829	BS				5					✓		OK	25/Ext A+B+C/AC+Mix / 50ml DI/AC	
	1h6830	IB				6							OK		
	1h6831	JB69905-6	MS69577 5PAR	5	4	7	5.4				✓		OK		
	1h6832	JB69905-7	↓	4	4	8	6.1				✓		OK		
R	1h6833	JB70086-1	MS69723 3 PAR	5	2	9	4.9				✓		OK		
	1h6834	JB69905-6DUP	MS69577 5PAR	5	5	10	5.5				✓		OK		
	1h6835	JB69905-7MS		↓	5	11	6.0				✓		OK	25/Std A+B+C/AC in to Sample 2.11	
	1h6836	IB				12							OK	2.10	
	1h6837	JB68890B-6B	MS65332 MOLV.	5		13	5.0				✓		OK	0.2 PPB	
	1h6838	JB68890B-6C				14	5.0				✓		OK	0.5 PPB	
	1h6839	JB68890B-6F				15	5.0				✓		OK	0.75 PPB	
	1h6840	JB68890B-6D				16	5.0				✓		OK	1.0 PPB	
	1h6841	JB68890B-6E	↓	↓		17	5.0				✓		OK	2.0 PPB	

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

ACCUTEST.

VOLATILE ANALYSIS LOG

Batch ID: VY6381

Date: 6/27/14

Print Analyst Name: Prashant B Shukla

Analyst Signature:

Columns: 2B 62H

Method VA8260C

Initial Cal. Method MYS6377

Standard Data

Lot #	Description	Conc.
	Refer to	

Standard Data

Lot #	Description	Conc.
	Page # 15	

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: Patel Date: 6/30/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* <2
	Y														
	1h68h2	JB56890B-1H	MS65332 MDLV	SO		18	5.0				✓		Not Used	5.0 mB	
R	1h68h3	JB69926-3	MS69525 STAR	SL	4	19	5.4				✓		On		
R	1h68h4	JB69926.7			4	20	5.8				✓		On		
R	1h68h5	JB69926.6			4	21	5.7				✓		On		
R	1h68h6	JB69926.4			4	22	5.5				✓		On		
R	1h68h7	JB69926.5			4	23	5.6				✓		On		
	1h68h8	JB69926.9	✓	✓	3	24	6.1				✓		On	8.25 pm.	
	1h68h9	IB				25							—	Chem sp Blank	
	1h68sv	IB				26							—	↓	

6/27/14

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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ACCUTEST

VOLATILE ANALYSIS LOG

Batch ID: VY6383

Date: 6/30/14

Print Analyst Name: Prashant B Shukla

Analyst Signature:

Columns: 623 624

Method V8260C

Initial Cal. Method MYS6377

Standard Data

Lot #	Description	Conc.
ow1861-81	Acrolein	1000 PPM
63	Ext Acrolein	↓
74	Int Surr.	250/2500 PPM
↓ 65	Ext Surr	100 PPM

Standard Data

Lot #	Description	Conc.
ow1861-71	STD A	100 PPM
78	↓ B	
82	↓ C	
62	Ext A	
61	↓ B	
SU	↓	↓

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: Rated Date: 6 7/1/14

R	Data File	Sample ID	Test	MTX	Vial #	ALS #	Samp. Amt (ml or g)	MOH amt. (ul)	Secondary dilution	L+	IS	SU	Status (Data)	Comments	pH* < 2
	1h6858	BFB				1							ok	10:12 AM.	
	1h6859	CC6377-20				2					✓		ok	10 ul STD A+B+C+AE / 50 ml DI Water	
	1h6860	IB				3							ok		
	1h6861	MB				4					✓		ok		
	1h6862	BS				5					✓		ok	25 ul EXT A+B+C+AE+Hexy / 50 ml DI Water	
	1h6863	OB56890B-6H	MS65332 MDLV			6					✓		ok	5.0	
	1h6864	OB56890B-6A	↓			7					✓		ok	10.0	
	1h6865	OB70h15-1	MS69884 STAR	S	2	8	4.7				✓		ok		
	1h6866	OB69926-8	MS69575 STAR	S	3	9	5.4				✓		ok		
	1h6867	OB70h15-1MS			2	10	4.5				✓		ok	25 ul STD A+B+C+AE into 5ml	
	1h6868	OB70h15-1MSD			2	11	4.5				✓		ok	↓	
	1h6869	IB				12							—	clean up Blank	

6/30/14

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

New Jersey ACCUTEST LABORATORIES

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: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75897-MB1	3P33097.D	1	06/24/14	AD	06/24/14	OP75897	E3P1414

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-1, JB69926-2, JB69926-3, JB69926-4, JB69926-5, JB69926-6, JB69926-7, JB69926-8, JB69926-9

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
218-01-9	Chrysene	ND	29	9.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	29	9.7	ug/kg	
206-44-0	Fluoranthene	ND	29	13	ug/kg	
86-73-7	Fluorene	ND	29	9.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	29	9.9	ug/kg	
91-20-3	Naphthalene	ND	29	7.8	ug/kg	
85-01-8	Phenanthrene	ND	29	13	ug/kg	
129-00-0	Pyrene	ND	29	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	105%	10-110%
321-60-8	2-Fluorobiphenyl	94%	17-110%
1718-51-0	Terphenyl-d14	107%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.71	120	ug/kg	J
	system artifact	1.84	120	ug/kg	J
	system artifact/aldol-condensation	3.21	2700	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-MB1	P86645.D	1	06/24/14	AD	06/24/14	OP75898	EP3691

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	57	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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	140	29	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	
98-86-2	Acetophenone	ND	140	5.0	ug/kg	
120-12-7	Anthracene	ND	29	10	ug/kg	
1912-24-9	Atrazine	ND	57	5.6	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	
92-52-4	1,1'-Biphenyl	ND	57	3.3	ug/kg	
100-52-7	Benzaldehyde	ND	140	6.6	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	
105-60-2	Caprolactam	ND	57	9.0	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	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-MB1	P86645.D	1	06/24/14	AD	06/24/14	OP75898	EP3691

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Result	RL	MDL	Units	Q
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	
121-14-2	2,4-Dinitrotoluene	ND	29	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	29	11	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	57	7.3	ug/kg	
123-91-1	1,4-Dioxane	ND	29	19	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	290	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	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	140	8.8	ug/kg	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-MB1	P86645.D	1	06/24/14	AD	06/24/14	OP75898	EP3691

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	75%	13-110%
4165-62-2	Phenol-d5	80%	15-110%
118-79-6	2,4,6-Tribromophenol	90%	20-123%
4165-60-0	Nitrobenzene-d5	94%	10-110%
321-60-8	2-Fluorobiphenyl	87%	17-110%
1718-51-0	Terphenyl-d14	94%	30-124%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.42	170	ug/kg	J
	system artifact/aldol-condensation	2.58	3100	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-MB1	M105980.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.6	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.8	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	6.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.3	ug/l	
	3&4-Methylphenol	ND	2.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.91	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.55	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.5	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.30	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.20	ug/l	
98-86-2	Acetophenone	ND	2.0	0.36	ug/l	
120-12-7	Anthracene	ND	1.0	0.19	ug/l	
1912-24-9	Atrazine	ND	2.0	0.42	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.67	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.31	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.22	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.25	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.22	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.27	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.34	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.30	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
105-60-2	Caprolactam	ND	2.0	0.41	ug/l	
218-01-9	Chrysene	ND	1.0	0.16	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.42	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.43	ug/l	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-MB1	M105980.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.38	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.32	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.26	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.56	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.72	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.28	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.23	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.25	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.23	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.26	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.55	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.16	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.46	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.39	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	0.48	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.29	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.40	ug/l	
78-59-1	Isophorone	ND	2.0	0.34	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.29	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.32	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.26	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.30	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.52	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.38	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.21	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.19	ug/l	
129-00-0	Pyrene	ND	1.0	0.19	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.44	ug/l	

Method Blank Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-MB1	M105980.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	40%	10-110%
4165-62-2	Phenol-d5	27%	10-110%
118-79-6	2,4,6-Tribromophenol	79%	29-139%
4165-60-0	Nitrobenzene-d5	71%	28-131%
321-60-8	2-Fluorobiphenyl	66%	30-121%
1718-51-0	Terphenyl-d14	72%	16-147%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.03	67	ug/l	J
	system artifact	3.14	6.9	ug/l	J
	Internal standard added for SIM test	4.86	4.4	ug/l	J
	Internal standard added for SIM test	6.81	4.5	ug/l	J
	Internal standard added for SIM test	9.12	4.2	ug/l	J
	Internal standard added for SIM test	13.17	4.5	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75897-BS1	3P33098.D	1	06/24/14	AD	06/24/14	OP75897	E3P1414

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-1, JB69926-2, JB69926-3, JB69926-4, JB69926-5, JB69926-6, JB69926-7, JB69926-8, JB69926-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	1430	1270	89	46-110
208-96-8	Acenaphthylene	1430	1010	71	43-103
120-12-7	Anthracene	1430	1270	89	56-118
56-55-3	Benzo(a)anthracene	1430	1400	98	56-117
50-32-8	Benzo(a)pyrene	1430	1470	103	56-124
205-99-2	Benzo(b)fluoranthene	1430	1560	109	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1200	84	52-126
207-08-9	Benzo(k)fluoranthene	1430	1390	97	51-122
218-01-9	Chrysene	1430	1420	99	54-121
53-70-3	Dibenzo(a,h)anthracene	1430	1250	88	53-126
206-44-0	Fluoranthene	1430	1430	100	55-119
86-73-7	Fluorene	1430	1340	94	51-114
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1210	85	53-128
91-20-3	Naphthalene	1430	1230	86	37-104
85-01-8	Phenanthrene	1430	1210	85	55-113
129-00-0	Pyrene	1430	1230	86	54-120

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	103%	10-110%
321-60-8	2-Fluorobiphenyl	93%	17-110%
1718-51-0	Terphenyl-d14	104%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-BS1	P86646.D	1	06/24/14	AD	06/24/14	OP75898	EP3691

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1430	1120	78	37-110
59-50-7	4-Chloro-3-methyl phenol	1430	1190	83	44-125
120-83-2	2,4-Dichlorophenol	1430	1150	81	41-120
105-67-9	2,4-Dimethylphenol	1430	1220	85	43-137
51-28-5	2,4-Dinitrophenol	2860	2360	83	21-147
534-52-1	4,6-Dinitro-o-cresol	1430	1140	80	37-136
95-48-7	2-Methylphenol	1430	1050	74	40-110
	3&4-Methylphenol	1430	1050	74	39-111
88-75-5	2-Nitrophenol	1430	1150	81	36-117
100-02-7	4-Nitrophenol	1430	1600	112	26-143
87-86-5	Pentachlorophenol	1430	1340	94	21-123
108-95-2	Phenol	1430	1010	71	36-112
58-90-2	2,3,4,6-Tetrachlorophenol	1430	1160	81	40-121
95-95-4	2,4,5-Trichlorophenol	1430	1170	82	48-120
88-06-2	2,4,6-Trichlorophenol	1430	1220	85	48-119
83-32-9	Acenaphthene	1430	1150	81	46-110
208-96-8	Acenaphthylene	1430	972	68	43-103
98-86-2	Acetophenone	1430	1390	97	35-120
120-12-7	Anthracene	1430	1150	81	56-118
1912-24-9	Atrazine	1430	1330	93	57-151
56-55-3	Benzo(a)anthracene	1430	1180	83	56-117
50-32-8	Benzo(a)pyrene	1430	1220	85	56-124
205-99-2	Benzo(b)fluoranthene	1430	1250	88	53-127
191-24-2	Benzo(g,h,i)perylene	1430	1180	83	52-126
207-08-9	Benzo(k)fluoranthene	1430	1190	83	51-122
101-55-3	4-Bromophenyl phenyl ether	1430	1230	86	51-121
85-68-7	Butyl benzyl phthalate	1430	1340	94	52-133
92-52-4	1,1'-Biphenyl	1430	1220	85	42-122
100-52-7	Benzaldehyde	1430	1170	82	30-119
91-58-7	2-Chloronaphthalene	1430	1140	80	42-110
106-47-8	4-Chloroaniline	1430	502	35	32-102
86-74-8	Carbazole	1430	1180	83	53-119
105-60-2	Caprolactam	1430	1300	91	35-144
218-01-9	Chrysene	1430	1220	85	54-121
111-91-1	bis(2-Chloroethoxy)methane	1430	1230	86	40-118
111-44-4	bis(2-Chloroethyl)ether	1430	1170	82	33-110

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-BS1	P86646.D	1	06/24/14	AD	06/24/14	OP75898	EP3691

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	1430	1170	82	30-108
7005-72-3	4-Chlorophenyl phenyl ether	1430	1200	84	48-116
121-14-2	2,4-Dinitrotoluene	1430	1240	87	51-126
606-20-2	2,6-Dinitrotoluene	1430	1240	87	52-126
91-94-1	3,3'-Dichlorobenzidine	2860	1640	57	49-115
123-91-1	1,4-Dioxane	1430	651	46	10-110
53-70-3	Dibenzo(a,h)anthracene	1430	1190	83	53-126
132-64-9	Dibenzofuran	1430	1150	81	45-114
84-74-2	Di-n-butyl phthalate	1430	1290	90	56-125
117-84-0	Di-n-octyl phthalate	1430	1440	101	49-145
84-66-2	Diethyl phthalate	1430	1270	89	52-118
131-11-3	Dimethyl phthalate	1430	1200	84	54-114
117-81-7	bis(2-Ethylhexyl)phthalate	1430	1370	96	52-138
206-44-0	Fluoranthene	1430	1160	81	55-119
86-73-7	Fluorene	1430	1220	85	51-114
118-74-1	Hexachlorobenzene	1430	1170	82	47-122
87-68-3	Hexachlorobutadiene	1430	1330	93	28-117
77-47-4	Hexachlorocyclopentadiene	2860	3080	108	22-126
67-72-1	Hexachloroethane	1430	1180	83	28-103
193-39-5	Indeno(1,2,3-cd)pyrene	1430	1180	83	53-128
78-59-1	Isophorone	1430	1160	81	37-117
91-57-6	2-Methylnaphthalene	1430	1170	82	34-114
88-74-4	2-Nitroaniline	1430	1400	98	46-135
99-09-2	3-Nitroaniline	1430	645	45	44-114
100-01-6	4-Nitroaniline	1430	1120	78	44-128
91-20-3	Naphthalene	1430	1100	77	37-104
98-95-3	Nitrobenzene	1430	1270	89	34-117
621-64-7	N-Nitroso-di-n-propylamine	1430	1300	91	35-115
86-30-6	N-Nitrosodiphenylamine	1430	1250	88	51-114
85-01-8	Phenanthrene	1430	1110	78	55-113
129-00-0	Pyrene	1430	1190	83	54-120
95-94-3	1,2,4,5-Tetrachlorobenzene	1430	889	62	38-112

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-BS1	P86646.D	1	06/24/14	AD	06/24/14	OP75898	EP3691

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	74%	13-110%
4165-62-2	Phenol-d5	76%	15-110%
118-79-6	2,4,6-Tribromophenol	89%	20-123%
4165-60-0	Nitrobenzene-d5	89%	10-110%
321-60-8	2-Fluorobiphenyl	80%	17-110%
1718-51-0	Terphenyl-d14	89%	30-124%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-BS1	M105981.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	36.4	73	42-110
59-50-7	4-Chloro-3-methyl phenol	50	42.5	85	49-120
120-83-2	2,4-Dichlorophenol	50	44.0	88	47-114
105-67-9	2,4-Dimethylphenol	50	41.5	83	48-129
51-28-5	2,4-Dinitrophenol	100	88.1	88	26-153
534-52-1	4,6-Dinitro-o-cresol	50	42.9	86	44-132
95-48-7	2-Methylphenol	50	36.6	73	39-110
	3&4-Methylphenol	50	35.1	70	36-110
88-75-5	2-Nitrophenol	50	41.3	83	45-110
100-02-7	4-Nitrophenol	50	27.1	54	10-110
87-86-5	Pentachlorophenol	50	37.8	76	32-122
108-95-2	Phenol	50	20.8	42	10-110
58-90-2	2,3,4,6-Tetrachlorophenol	50	41.4	83	47-119
95-95-4	2,4,5-Trichlorophenol	50	42.2	84	52-119
88-06-2	2,4,6-Trichlorophenol	50	42.1	84	51-118
83-32-9	Acenaphthene	50	40.4	81	46-108
208-96-8	Acenaphthylene	50	33.5	67	44-101
98-86-2	Acetophenone	50	45.1	90	39-125
120-12-7	Anthracene	50	42.3	85	60-117
1912-24-9	Atrazine	50	55.0	110	58-153
100-52-7	Benzaldehyde	50	51.2	102	32-119
56-55-3	Benzo(a)anthracene	50	41.5	83	59-116
50-32-8	Benzo(a)pyrene	50	40.0	80	61-122
205-99-2	Benzo(b)fluoranthene	50	40.0	80	56-129
191-24-2	Benzo(g,h,i)perylene	50	39.8	80	54-126
207-08-9	Benzo(k)fluoranthene	50	37.7	75	53-124
101-55-3	4-Bromophenyl phenyl ether	50	41.6	83	55-120
85-68-7	Butyl benzyl phthalate	50	48.2	96	42-138
92-52-4	1,1'-Biphenyl	50	43.1	86	41-123
91-58-7	2-Chloronaphthalene	50	35.8	72	38-107
106-47-8	4-Chloroaniline	50	30.1	60	38-110
86-74-8	Carbazole	50	42.7	85	55-121
105-60-2	Caprolactam	50	15.1	30	10-113
218-01-9	Chrysene	50	43.1	86	58-121
111-91-1	bis(2-Chloroethoxy)methane	50	44.3	89	48-117
111-44-4	bis(2-Chloroethyl)ether	50	41.7	83	40-108

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-BS1	M105981.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-60-1	bis(2-Chloroisopropyl)ether	50	40.5	81	37-107
7005-72-3	4-Chlorophenyl phenyl ether	50	42.1	84	48-117
121-14-2	2,4-Dinitrotoluene	50	44.4	89	53-129
606-20-2	2,6-Dinitrotoluene	50	45.4	91	57-126
91-94-1	3,3'-Dichlorobenzidine	100	59.1	59	41-109
123-91-1	1,4-Dioxane	50	20.6	41	10-110
53-70-3	Dibenzo(a,h)anthracene	50	39.2	78	57-126
132-64-9	Dibenzofuran	50	40.6	81	46-112
84-74-2	Di-n-butyl phthalate	50	45.8	92	54-127
117-84-0	Di-n-octyl phthalate	50	48.5	97	55-142
84-66-2	Diethyl phthalate	50	42.0	84	35-130
131-11-3	Dimethyl phthalate	50	42.4	85	26-132
117-81-7	bis(2-Ethylhexyl)phthalate	50	52.9	106	58-135
206-44-0	Fluoranthene	50	43.2	86	59-120
86-73-7	Fluorene	50	41.6	83	53-114
118-74-1	Hexachlorobenzene	50	38.1	76	52-120
87-68-3	Hexachlorobutadiene	50	32.6	65	10-111
77-47-4	Hexachlorocyclopentadiene	100	75.2	75	10-116
67-72-1	Hexachloroethane	50	33.2	66	14-110
193-39-5	Indeno(1,2,3-cd)pyrene	50	39.7	79	56-127
78-59-1	Isophorone	50	41.0	82	45-119
91-57-6	2-Methylnaphthalene	50	41.2	82	30-112
88-74-4	2-Nitroaniline	50	46.0	92	46-136
99-09-2	3-Nitroaniline	50	34.4	69	46-113
100-01-6	4-Nitroaniline	50	43.1	86	47-129
91-20-3	Naphthalene	50	36.1	72	35-101
98-95-3	Nitrobenzene	50	40.7	81	40-115
621-64-7	N-Nitroso-di-n-propylamine	50	41.9	84	40-118
86-30-6	N-Nitrosodiphenylamine	50	43.5	87	54-112
85-01-8	Phenanthrene	50	40.5	81	58-113
129-00-0	Pyrene	50	42.5	85	56-120
95-94-3	1,2,4,5-Tetrachlorobenzene	50	36.5	73	28-111

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-BS1	M105981.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	58%	10-110%
4165-62-2	Phenol-d5	42%	10-110%
118-79-6	2,4,6-Tribromophenol	101%	29-139%
4165-60-0	Nitrobenzene-d5	90%	28-131%
321-60-8	2-Fluorobiphenyl	82%	30-121%
1718-51-0	Terphenyl-d14	88%	16-147%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75897-MS	3P33111.D	1	06/25/14	AD	06/24/14	OP75897	E3P1414
OP75897-MSD	3P33112.D	1	06/25/14	AD	06/24/14	OP75897	E3P1414
JB69716-5	3P33116.D	1	06/25/14	AD	06/24/14	OP75897	E3P1414

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-1, JB69926-2, JB69926-3, JB69926-4, JB69926-5, JB69926-6, JB69926-7, JB69926-8, JB69926-9

CAS No.	Compound	JB69716-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		1680	1290	77	1720	1330	78	3	25-106/38
208-96-8	Acenaphthylene	ND		1680	1040	62	1720	1050	61	1	21-110/39
120-12-7	Anthracene	ND		1680	1280	76	1720	1450	85	12	27-123/40
56-55-3	Benzo(a)anthracene	ND		1680	1410	84	1720	1570	92	11	22-127/44
50-32-8	Benzo(a)pyrene	ND		1680	1470	87	1720	1610	94	9	22-132/42
205-99-2	Benzo(b)fluoranthene	ND		1680	1550	92	1720	1640	96	6	17-141/45
191-24-2	Benzo(g,h,i)perylene	ND		1680	1360	81	1720	1380	80	1	23-129/42
207-08-9	Benzo(k)fluoranthene	ND		1680	1450	86	1720	1540	90	6	20-124/44
218-01-9	Chrysene	ND		1680	1450	86	1720	1630	95	12	21-131/42
53-70-3	Dibenzo(a,h)anthracene	ND		1680	1380	82	1720	1430	83	4	26-129/42
206-44-0	Fluoranthene	ND		1680	1350	80	1720	1550	90	14	16-134/44
86-73-7	Fluorene	ND		1680	1370	82	1720	1460	85	6	24-116/39
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1680	1340	80	1720	1400	82	4	23-132/43
91-20-3	Naphthalene	ND		1680	1280	76	1720	1230	72	4	13-103/41
85-01-8	Phenanthrene	ND		1680	1220	73	1720	1380	80	12	19-126/42
129-00-0	Pyrene	ND		1680	1350	80	1720	1480	86	9	17-136/45

CAS No.	Surrogate Recoveries	MS	MSD	JB69716-5	Limits
4165-60-0	Nitrobenzene-d5	90%	87%	73%	10-110%
321-60-8	2-Fluorobiphenyl	84%	82%	70%	17-110%
1718-51-0	Terphenyl-d14	94%	101%	86%	30-124%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-MS	P86852.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
OP75898-MSD	P86853.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
JB69926-10	P86851.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
JB69926-10	P86873.D	5	06/30/14	HK	06/24/14	OP75898	EP3699

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	JB69926-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1660	1220	73	1740	1430	82	16	16-104/44
59-50-7	4-Chloro-3-methyl phenol	ND		1660	1430	86	1740	1570	90	9	25-118/41
120-83-2	2,4-Dichlorophenol	ND		1660	1270	76	1740	1500	86	17	20-111/42
105-67-9	2,4-Dimethylphenol	ND		1660	1680	101	1740	2260	130* a	29	21-124/40
51-28-5	2,4-Dinitrophenol	ND		3330	728	22	3490	1100	32	41	10-110/54
534-52-1	4,6-Dinitro-o-cresol	ND		1660	408	25	1740	212	12	63* b	10-111/55
95-48-7	2-Methylphenol	ND		1660	1190	72	1740	1440	83	19	19-105/42
	3&4-Methylphenol	ND		1660	1160	70	1740	1560	89	29	17-108/43
88-75-5	2-Nitrophenol	ND		1660	1280	77	1740	1510	87	16	11-103/44
100-02-7	4-Nitrophenol	ND		1660	2400	144* a	1740	2550	146* a	6	10-141/48
87-86-5	Pentachlorophenol	ND		1660	1300	78	1740	1670	96	25	10-114/47
108-95-2	Phenol	ND		1660	1240	75	1740	1580	91	24	16-105/42
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1660	1260	76	1740	1600	92	24	20-116/42
95-95-4	2,4,5-Trichlorophenol	ND		1660	1390	84	1740	1720	99	21	24-116/42
88-06-2	2,4,6-Trichlorophenol	ND		1660	1460	88	1740	1780	102	20	21-117/40
83-32-9	Acenaphthene	853		1660	1560	43	1740	2240	80	36	25-106/38
208-96-8	Acenaphthylene	311		1660	1180	52	1740	1510	69	25	21-110/39
98-86-2	Acetophenone	ND		1660	1640	99	1740	1980	114	19	13-117/43
120-12-7	Anthracene	1420		1660	1430	1* a	1740	2050	36	36	27-123/40
1912-24-9	Atrazine	ND		1660	1520	91	1740	1960	112	25	31-147/39
56-55-3	Benzo(a)anthracene	4120 d		1660	1620	-133* c	1740	2700	-65* c	50* b	22-127/44
50-32-8	Benzo(a)pyrene	2850		1660	1630	-73* a	1740	2470	-22* a	41	22-132/42
205-99-2	Benzo(b)fluoranthene	3850 d		1660	1730	-120* c	1740	2850	-50* c	49* b	17-141/45
191-24-2	Benzo(g,h,i)perylene	1360		1660	1530	10* a	1740	2120	44	32	23-129/42
207-08-9	Benzo(k)fluoranthene	1210		1660	1470	16* a	1740	1900	40	26	20-124/44
101-55-3	4-Bromophenyl phenyl ether	ND		1660	1320	79	1740	1750	100	28	30-116/38
85-68-7	Butyl benzyl phthalate	ND		1660	1620	97	1740	1920	110	17	26-134/40
92-52-4	1,1'-Biphenyl	ND		1660	1470	88	1740	1680	96	13	22-114/41
100-52-7	Benzaldehyde	ND		1660	1240	75	1740	1470	84	17	10-115/42
91-58-7	2-Chloronaphthalene	ND		1660	1390	84	1740	1560	89	12	24-101/40
106-47-8	4-Chloroaniline	ND		1660	1050	63	1740	1310	75	22	15-110/44
86-74-8	Carbazole	ND		1660	1370	82	1740	1820	104	28	27-123/38
105-60-2	Caprolactam	ND		1660	1540	93	1740	1310	75	16	10-141/42
218-01-9	Chrysene	4450 d		1660	1640	-160* c	1740	2800	-86* c	52* b	21-131/42
111-91-1	bis(2-Chloroethoxy)methane	ND		1660	1480	89	1740	1660	95	11	21-108/40
111-44-4	bis(2-Chloroethyl)ether	ND		1660	1360	82	1740	1610	92	17	13-104/44

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-MS	P86852.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
OP75898-MSD	P86853.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
JB69926-10	P86851.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
JB69926-10	P86873.D	5	06/30/14	HK	06/24/14	OP75898	EP3699

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Compound	JB69926-10 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		1660	1280	77	1740	1610	92	23	13-110/42
7005-72-3	4-Chlorophenyl phenyl ether	ND		1660	1430	86	1740	1860	107	26	27-111/38
121-14-2	2,4-Dinitrotoluene	ND		1660	1780	107	1740	2620	150* [a]	38	20-124/40
606-20-2	2,6-Dinitrotoluene	ND		1660	1560	94	1740	2720	156* [a]	54* [b]	24-122/38
91-94-1	3,3'-Dichlorobenzidine	ND		3330	2630	79	3490	3270	94	22	10-121/45
123-91-1	1,4-Dioxane	ND		1660	694	42	1740	826	47	17	10-110/48
53-70-3	Dibenzo(a,h)anthracene	501		1660	1430	56	1740	1830	76	25	26-129/42
132-64-9	Dibenzofuran	ND		1660	1470	88	1740	1990	114	30	21-114/39
84-74-2	Di-n-butyl phthalate	ND		1660	1530	92	1740	1910	110	22	29-127/39
117-84-0	Di-n-octyl phthalate	ND		1660	1710	103	1740	2080	119	20	25-140/43
84-66-2	Diethyl phthalate	ND		1660	1490	90	1740	1740	100	15	32-115/37
131-11-3	Dimethyl phthalate	ND		1660	1360	82	1740	1630	93	18	29-115/37
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1660	1690	102	1740	2020	116	18	26-140/43
206-44-0	Fluoranthene	8570 [d]		1660	1870	-372* [c]	1740	3730	-248* [c]	66* [b]	16-134/44
86-73-7	Fluorene	1220		1660	1700	29	1740	2420	69	35	24-116/39
118-74-1	Hexachlorobenzene	ND		1660	1270	76	1740	1710	98	30	24-118/41
87-68-3	Hexachlorobutadiene	ND		1660	1470	88	1740	1710	98	15	15-110/42
77-47-4	Hexachlorocyclopentadiene	ND		3330	862	26	3490	976	28	12	10-110/52
67-72-1	Hexachloroethane	ND		1660	1060	64	1740	1220	70	14	11-110/46
193-39-5	Indeno(1,2,3-cd)pyrene	1210		1660	1500	17* [a]	1740	2030	47	30	23-132/43
78-59-1	Isophorone	ND		1660	1530	92	1740	1870	107* [a]	20	22-105/41
91-57-6	2-Methylnaphthalene	ND		1660	1320	79	1740	1600	92	19	16-108/40
88-74-4	2-Nitroaniline	ND		1660	2100	126	1740	2270	130	8	23-130/39
99-09-2	3-Nitroaniline	ND		1660	1400	84	1740	1730	99	21	19-116/40
100-01-6	4-Nitroaniline	ND		1660	1130	68	1740	1600	92	34	18-124/42
91-20-3	Naphthalene	2330		1660	1380	-57* [a]	1740	2010	-18* [a]	37	13-103/41
98-95-3	Nitrobenzene	ND		1660	1730	104	1740	1960	112* [a]	12	14-109/41
621-64-7	N-Nitroso-di-n-propylamine	ND		1660	1650	99	1740	2120	122* [a]	25	11-113/41
86-30-6	N-Nitrosodiphenylamine	ND		1660	2140	129* [a]	1740	3490	200* [a]	48* [b]	26-119/38
85-01-8	Phenanthrene	7130 [d]		1660	1790	-296* [c]	1740	3610	-178* [c]	67* [b]	19-126/42
129-00-0	Pyrene	7510 [d]		1660	1810	-324* [c]	1740	3340	-221* [c]	59* [b]	17-136/45
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1660	1100	66	1740	1250	72	13	22-110/41

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75898-MS	P86852.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
OP75898-MSD	P86853.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
JB69926-10	P86851.D	1	06/29/14	AD	06/24/14	OP75898	EP3698
JB69926-10	P86873.D	5	06/30/14	HK	06/24/14	OP75898	EP3699

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-10, JB69926-13, JB69926-14, JB69926-15, JB69926-16, JB69926-17, JB69926-18

CAS No.	Surrogate Recoveries	MS	MSD	JB69926-10	JB69926-10	Limits
367-12-4	2-Fluorophenol	71%	83%			13-110%
4165-62-2	Phenol-d5	75%	89%			15-110%
118-79-6	2,4,6-Tribromophenol	89%	114%			20-123%
4165-60-0	Nitrobenzene-d5	105%	116%* [e]	105%	98%	10-110%
321-60-8	2-Fluorobiphenyl	83%	92%	83%	77%	17-110%
1718-51-0	Terphenyl-d14	83%	93%	91%	86%	30-124%

(a) Outside control limits due to matrix interference.
(b) Analytical precision exceeds in-house control limits.
(c) Outside control limits due to high level in sample relative to spike amount.
(d) Result is from Run #2.
(e) Outside of in house control limits, but within reasonable method recovery limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-MS	M105999.D	1	07/03/14	SP	06/25/14	OP75936	EM4334
OP75936-MSD	M106000.D	1	07/03/14	SP	06/25/14	OP75936	EM4334
JB69864-1	M105991.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Compound	JB69864-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		102	74.9	73	102	59.9	59	22	30-106/33
59-50-7	4-Chloro-3-methyl phenol	ND		102	89.7	88	102	72.3	71	21	40-130/28
120-83-2	2,4-Dichlorophenol	ND		102	89.2	87	102	73.1	72	20	27-128/34
105-67-9	2,4-Dimethylphenol	ND		102	81.6	80	102	69.9	69	15	32-145/31
51-28-5	2,4-Dinitrophenol	ND		204	211	103	204	177	87	18	10-162/43
534-52-1	4,6-Dinitro-o-cresol	ND		102	96.0	94	102	77.6	76	21	10-147/42
95-48-7	2-Methylphenol	ND		102	82.2	81	102	67.3	66	20	29-111/29
	3&4-Methylphenol	ND		102	82.8	81	102	67.4	66	21	26-114/29
88-75-5	2-Nitrophenol	ND		102	84.3	83	102	68.9	68	20	27-121/35
100-02-7	4-Nitrophenol	ND		102	88.6	87	102	70.6	69	23	10-135/37
87-86-5	Pentachlorophenol	ND		102	84.5	83	102	70.4	69	18	21-133/35
108-95-2	Phenol	ND		102	66.6	65	102	50.6	50	27	10-110/33
58-90-2	2,3,4,6-Tetrachlorophenol	ND		102	85.8	84	102	71.0	70	19	30-128/33
95-95-4	2,4,5-Trichlorophenol	ND		102	87.6	86	102	71.2	70	21	35-128/30
88-06-2	2,4,6-Trichlorophenol	ND		102	90.3	88	102	71.8	70	23	31-130/34
83-32-9	Acenaphthene	ND		102	88.0	86	102	71.9	70	20	41-112/29
208-96-8	Acenaphthylene	ND		102	73.1	72	102	59.9	59	20	42-101/29
98-86-2	Acetophenone	ND		102	93.5	92	102	76.3	75	20	24-142/31
120-12-7	Anthracene	ND		102	91.1	89	102	76.9	75	17	52-122/26
1912-24-9	Atrazine	ND		102	119	117	102	101	99	16	42-160/26
100-52-7	Benzaldehyde	ND		102	101	99	102	83.4	82	19	17-130/33
56-55-3	Benzo(a)anthracene	ND		102	89.5	88	102	78.6	77	13	50-122/26
50-32-8	Benzo(a)pyrene	ND		102	86.0	84	102	73.1	72	16	51-127/27
205-99-2	Benzo(b)fluoranthene	ND		102	84.8	83	102	73.7	72	14	47-132/31
191-24-2	Benzo(g,h,i)perylene	ND		102	82.1	80	102	71.2	70	14	47-129/29
207-08-9	Benzo(k)fluoranthene	ND		102	80.7	79	102	72.1	71	11	43-130/29
101-55-3	4-Bromophenyl phenyl ether	ND		102	88.3	87	102	76.9	75	14	51-122/26
85-68-7	Butyl benzyl phthalate	ND		102	106	104	102	91.8	90	14	37-145/29
92-52-4	1,1'-Biphenyl	ND		102	92.5	91	102	77.9	76	17	40-122/30
91-58-7	2-Chloronaphthalene	ND		102	79.6	78	102	64.3	63	21	36-108/30
106-47-8	4-Chloroaniline	ND		102	50.9	50	102	58.3	57	14	24-110/32
86-74-8	Carbazole	ND		102	91.4	90	102	77.7	76	16	47-128/25
105-60-2	Caprolactam	ND		102	64.7	63	102	56.2	55	14	10-110/44
218-01-9	Chrysene	ND		102	92.3	90	102	81.2	80	13	51-124/27
111-91-1	bis(2-Chloroethoxy)methane	ND		102	90.9	89	102	75.1	74	19	43-120/31
111-44-4	bis(2-Chloroethyl)ether	ND		102	83.5	82	102	68.2	67	20	33-115/34

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-MS	M105999.D	1	07/03/14	SP	06/25/14	OP75936	EM4334
OP75936-MSD	M106000.D	1	07/03/14	SP	06/25/14	OP75936	EM4334
JB69864-1	M105991.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Compound	JB69864-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-60-1	bis(2-Chloroisopropyl)ether	ND		102	85.0	83	102	66.4	65	25	28-114/33
7005-72-3	4-Chlorophenyl phenyl ether	ND		102	91.5	90	102	75.4	74	19	46-118/29
121-14-2	2,4-Dinitrotoluene	ND		102	97.4	95	102	79.7	78	20	49-129/27
606-20-2	2,6-Dinitrotoluene	ND		102	101	99	102	78.3	77	25	52-129/26
91-94-1	3,3'-Dichlorobenzidine	ND		204	125	61	204	107	52	16	14-119/33
123-91-1	1,4-Dioxane	ND		102	50.7	50	102	49.4	48	3	10-110/36
53-70-3	Dibenzo(a,h)anthracene	ND		102	81.3	80	102	69.8	68	15	49-130/28
132-64-9	Dibenzofuran	ND		102	87.4	86	102	72.3	71	19	44-114/28
84-74-2	Di-n-butyl phthalate	ND		102	99.5	98	102	85.5	84	15	47-131/27
117-84-0	Di-n-octyl phthalate	ND		102	103	101	102	89.6	88	14	47-148/29
84-66-2	Diethyl phthalate	ND		102	92.7	91	102	76.7	75	19	32-131/29
131-11-3	Dimethyl phthalate	ND		102	91.5	90	102	75.3	74	19	26-132/33
117-81-7	bis(2-Ethylhexyl)phthalate	1.2	J	102	119	115	102	106	103	12	48-144/27
206-44-0	Fluoranthene	ND		102	93.1	91	102	79.6	78	16	51-123/27
86-73-7	Fluorene	ND		102	91.8	90	102	74.8	73	20	50-116/26
118-74-1	Hexachlorobenzene	ND		102	81.5	80	102	69.3	68	16	45-123/26
87-68-3	Hexachlorobutadiene	ND		102	74.2	73	102	59.0	58	23	10-113/35
77-47-4	Hexachlorocyclopentadiene	ND		204	163	80	204	137	67	17	10-113/37
67-72-1	Hexachloroethane	ND		102	72.8	71	102	57.1	56	24	15-110/37
193-39-5	Indeno(1,2,3-cd)pyrene	ND		102	81.2	80	102	70.6	69	14	48-131/27
78-59-1	Isophorone	ND		102	85.9	84	102	70.0	69	20	42-119/30
91-57-6	2-Methylnaphthalene	ND		102	84.6	83	102	69.8	68	19	22-120/32
88-74-4	2-Nitroaniline	ND		102	96.2	94	102	78.6	77	20	43-138/29
99-09-2	3-Nitroaniline	ND		102	71.6	70	102	72.6	71	1	34-116/26
100-01-6	4-Nitroaniline	ND		102	83.8	82	102	72.6	71	14	36-131/28
91-20-3	Naphthalene	ND		102	78.3	77	102	62.4	61	23	25-108/32
98-95-3	Nitrobenzene	ND		102	86.2	84	102	70.7	69	20	29-128/32
621-64-7	N-Nitroso-di-n-propylamine	ND		102	88.8	87	102	72.2	71	21	35-120/31
86-30-6	N-Nitrosodiphenylamine	ND		102	73.6	72	102	55.8	55	28* [a]	46-120/26
85-01-8	Phenanthrene	ND		102	87.8	86	102	73.7	72	17	51-117/25
129-00-0	Pyrene	ND		102	96.4	94	102	82.9	81	15	45-130/29
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		102	82.1	80	102	67.8	66	19	29-109/31

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP75936-MS	M105999.D	1	07/03/14	SP	06/25/14	OP75936	EM4334
OP75936-MSD	M106000.D	1	07/03/14	SP	06/25/14	OP75936	EM4334
JB69864-1	M105991.D	1	07/03/14	SP	06/25/14	OP75936	EM4334

The QC reported here applies to the following samples: **Method:** SW846 8270D

JB69926-11

CAS No.	Surrogate Recoveries	MS	MSD	JB69864-1	Limits
367-12-4	2-Fluorophenol	73%	57%	23%	10-110%
4165-62-2	Phenol-d5	70%	53%	18%	10-110%
118-79-6	2,4,6-Tribromophenol	100%	81%	43%	29-139%
4165-60-0	Nitrobenzene-d5	90%	73%	52%	28-131%
321-60-8	2-Fluorobiphenyl	86%	71%	53%	30-121%
1718-51-0	Terphenyl-d14	52%	50%	59%	16-147%

(a) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2647-DFTPP	**Injection Date:**	06/04/14
Lab File ID:	3E61402.D	**Injection Time:**	21:24
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	34890	39.1		Pass
68	Less than 2.0% of mass 69	573	0.64	(1.58) [a]	Pass
69	Mass 69 relative abundance	36282	40.6		Pass
70	Less than 2.0% of mass 69	169	0.19	(0.47) [a]	Pass
127	40.0 - 60.0% of mass 198	50290	56.3		Pass
197	Less than 1.0% of mass 198	210	0.24		Pass
198	Base peak, 100% relative abundance	89256	100.0		Pass
199	5.0 - 9.0% of mass 198	6029	6.75		Pass
275	10.0 - 30.0% of mass 198	19782	22.2		Pass
365	1.0 - 100.0% of mass 198	1874	2.10		Pass
441	Present, but less than mass 443	6767	7.58	(77.5) [b]	Pass
442	40.0 - 100.0% of mass 198	46063	51.6		Pass
443	17.0 - 23.0% of mass 442	8730	9.78	(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
E3E2647-IC2647	3E61403.D	06/04/14	21:51	00:27	Initial cal 100
E3E2647-IC2647	3E61404.D	06/04/14	22:18	00:54	Initial cal 80
E3E2647-ICC2647	3E61405.D	06/04/14	22:46	01:22	Initial cal 50
E3E2647-IC2647	3E61406.D	06/04/14	23:14	01:50	Initial cal 25
E3E2647-IC2647	3E61407.D	06/04/14	23:41	02:17	Initial cal 10
E3E2647-IC2647	3E61408.D	06/05/14	00:09	02:45	Initial cal 5
E3E2647-IC2647	3E61409.D	06/05/14	00:37	03:13	Initial cal 2
E3E2647-IC2647	3E61410.D	06/05/14	01:04	03:40	Initial cal 1
E3E2647-ICV2646	3E61412.D	06/05/14	01:59	04:35	Initial cal verification 50
E3E2647-ICV2646	3E61414.D	06/05/14	02:54	05:30	Initial cal verification 50
E3E2647-ICV2646	3E61415.D	06/05/14	03:22	05:58	Initial cal verification 50
E3E2647-ICV2646	3E61416.D	06/05/14	03:49	06:25	Initial cal verification 50
E3E2647-ICV2647	3E61416A.D	06/05/14	03:49	06:25	Initial cal verification 50
E3E2647-ICV2647	3E61417.D	06/05/14	04:16	06:52	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2648-DFTPP	**Injection Date:**	06/05/14
Lab File ID:	3E61420.D	**Injection Time:**	12:24
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	40405	36.0		Pass
68	Less than 2.0% of mass 69	583	0.52	(1.37) [a]	Pass
69	Mass 69 relative abundance	42426	37.8		Pass
70	Less than 2.0% of mass 69	395	0.35	(0.93) [a]	Pass
127	40.0 - 60.0% of mass 198	60445	53.8		Pass
197	Less than 1.0% of mass 198	543	0.48		Pass
198	Base peak, 100% relative abundance	112290	100.0		Pass
199	5.0 - 9.0% of mass 198	7568	6.74		Pass
275	10.0 - 30.0% of mass 198	25430	22.6		Pass
365	1.0 - 100.0% of mass 198	2418	2.15		Pass
441	Present, but less than mass 443	9330	8.31	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	63104	56.2		Pass
443	17.0 - 23.0% of mass 442	12107	10.8	(19.2) [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
E3E2648-ICV2646	3E61421.D	06/05/14	12:37	00:13	Initial cal verification 50
E3E2648-ICV2647	3E61422A.D	06/05/14	13:05	00:41	Initial cal verification 50
E3E2648-ICV2646	3E61422.D	06/05/14	13:05	00:41	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2680-DFTPP	**Injection Date:**	06/26/14
Lab File ID:	3E62571.D	**Injection Time:**	19:46
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	46152	33.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	58366	42.3		Pass
70	Less than 2.0% of mass 69	451	0.33	(0.77) [a]	Pass
127	40.0 - 60.0% of mass 198	77938	56.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	138122	100.0		Pass
199	5.0 - 9.0% of mass 198	9547	6.91		Pass
275	10.0 - 30.0% of mass 198	33120	24.0		Pass
365	1.0 - 100.0% of mass 198	3637	2.63		Pass
441	Present, but less than mass 443	6637	4.81	(49.6) [b]	Pass
442	40.0 - 100.0% of mass 198	73778	53.4		Pass
443	17.0 - 23.0% of mass 442	13390	9.69	(18.1) [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
E3E2680-IC2680	3E62572.D	06/26/14	20:07	00:21	Initial cal 1
E3E2680-IC2680	3E62573.D	06/26/14	20:33	00:47	Initial cal 2
E3E2680-IC2680	3E62574.D	06/26/14	21:01	01:15	Initial cal 5
E3E2680-IC2680	3E62575.D	06/26/14	21:28	01:42	Initial cal 10
E3E2680-IC2680	3E62576.D	06/26/14	21:55	02:09	Initial cal 80
E3E2680-IC2680	3E62577.D	06/26/14	22:22	02:36	Initial cal 100
E3E2680-ICC2680	3E62578.D	06/26/14	22:49	03:03	Initial cal 50
E3E2680-IC2680	3E62579.D	06/26/14	23:16	03:30	Initial cal 25

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2681-DFTPP	**Injection Date:**	06/27/14
Lab File ID:	3E62581.D	**Injection Time:**	09:18
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	50651	37.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	62183	45.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	79645	58.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	136781	100.0		Pass
199	5.0 - 9.0% of mass 198	9861	7.21		Pass
275	10.0 - 30.0% of mass 198	32766	24.0		Pass
365	1.0 - 100.0% of mass 198	3719	2.72		Pass
441	Present, but less than mass 443	7442	5.44	(57.7) [b]	Pass
442	40.0 - 100.0% of mass 198	66555	48.7		Pass
443	17.0 - 23.0% of mass 442	12887	9.42	(19.4) [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
E3E2681-ICV2680	3E62582.D	06/27/14	09:29	00:11	Initial cal verification 50
E3E2681-ICV2680	3E62584.D	06/27/14	10:23	01:05	Initial cal verification 50
E3E2681-ICV2680	3E62585.D	06/27/14	10:50	01:32	Initial cal verification 50
E3E2681-ICV2680	3E62586.D	06/27/14	11:16	01:58	Initial cal verification 50
E3E2681-ICV2680	3E62587.D	06/27/14	11:43	02:25	Initial cal verification 50
E3E2681-ICV2680	3E62588.D	06/27/14	12:13	02:55	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3E2692-DFTPP	**Injection Date:**	07/05/14
Lab File ID:	3E62848.D	**Injection Time:**	08:23
Instrument ID:	GCMS3E		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	42787	39.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	52414	48.7		Pass
70	Less than 2.0% of mass 69	306	0.28	(0.58) [a]	Pass
127	40.0 - 60.0% of mass 198	58805	54.7		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	107581	100.0		Pass
199	5.0 - 9.0% of mass 198	7248	6.74		Pass
275	10.0 - 30.0% of mass 198	29817	27.7		Pass
365	1.0 - 100.0% of mass 198	4132	3.84		Pass
441	Present, but less than mass 443	10136	9.42	(79.6) [b]	Pass
442	40.0 - 100.0% of mass 198	65365	60.8		Pass
443	17.0 - 23.0% of mass 442	12740	11.8	(19.5) [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
E3E2692-CC2680	3E62849.D	07/05/14	08:38	00:15	Continuing cal 25
E3E2692-CC2647	3E62850.D	07/05/14	09:26	01:03	Continuing cal 25
JB69788-1	3E62853.D	07/05/14	10:58	02:35	(used for QC only; not part of job JB69926)
ZZZZZZ	3E62854.D	07/05/14	11:24	03:01	(unrelated sample)
ZZZZZZ	3E62855.D	07/05/14	11:51	03:28	(unrelated sample)
ZZZZZZ	3E62857.D	07/05/14	12:44	04:21	(unrelated sample)
OP75935-MB1	3E62860.D	07/05/14	13:11	04:48	Method Blank
OP75935-MS	3E62858.D	07/05/14	13:38	05:15	Matrix Spike
OP75935-MSD	3E62859.D	07/05/14	14:05	05:42	Matrix Spike Duplicate
JB69926-13	3E62861.D	07/05/14	14:32	06:09	334-PE-100
JB69926-17	3E62862.D	07/05/14	14:58	06:35	338-PE-104
JB69926-18	3E62863.D	07/05/14	15:25	07:02	399-PE-17
JB69926-14	3E62864.D	07/05/14	16:19	07:56	335-PE-101
JB69926-15	3E62865.D	07/05/14	16:45	08:22	336-PE-102
JB69926-16	3E62866.D	07/05/14	17:12	08:49	337-PE-103
ZZZZZZ	3E62867.D	07/05/14	17:39	09:16	(unrelated sample)
ZZZZZZ	3E62873.D	07/05/14	20:20	11:57	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1389-DFTPP
Lab File ID: 3P32433.D
Instrument ID: GCMS3P
Injection Date: 06/06/14
Injection Time: 14:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14513	33.6		Pass
68	Less than 2.0% of mass 69	294	0.68	(1.53) [a]	Pass
69	Mass 69 relative abundance	19230	44.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	23444	54.3		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	43200	100.0		Pass
199	5.0 - 9.0% of mass 198	3020	6.99		Pass
275	10.0 - 30.0% of mass 198	8958	20.7		Pass
365	1.0 - 100.0% of mass 198	1105	2.56		Pass
441	Present, but less than mass 443	3942	9.13	(72.6) [b]	Pass
442	40.0 - 100.0% of mass 198	26408	61.1		Pass
443	17.0 - 23.0% of mass 442	5428	12.6	(20.6) [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
E3P1389-IC1389	3P32434.D	06/06/14	14:20	00:20	Initial cal 100
E3P1389-IC1389	3P32435.D	06/06/14	14:45	00:45	Initial cal 1
E3P1389-IC1389	3P32436.D	06/06/14	15:56	01:56	Initial cal 80
E3P1389-ICC1389	3P32437.D	06/06/14	16:22	02:22	Initial cal 50
E3P1389-IC1389	3P32438.D	06/06/14	16:47	02:47	Initial cal 25
E3P1389-IC1389	3P32439.D	06/06/14	17:13	03:13	Initial cal 10
E3P1389-IC1389	3P32440.D	06/06/14	17:39	03:39	Initial cal 2
E3P1389-IC1389	3P32441.D	06/06/14	18:04	04:04	Initial cal 5

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1390-DFTPP	**Injection Date:**	06/06/14
Lab File ID:	3P32442.D	**Injection Time:**	18:28
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	6690	32.6		Pass
68	Less than 2.0% of mass 69	69	0.34	(0.76) [a]	Pass
69	Mass 69 relative abundance	9062	44.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	10679	52.1		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	20504	100.0		Pass
199	5.0 - 9.0% of mass 198	1390	6.78		Pass
275	10.0 - 30.0% of mass 198	4334	21.1		Pass
365	1.0 - 100.0% of mass 198	483	2.36		Pass
441	Present, but less than mass 443	2068	10.1	(71.5) [b]	Pass
442	40.0 - 100.0% of mass 198	13969	68.1		Pass
443	17.0 - 23.0% of mass 442	2893	14.1	(20.7) [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
E3P1390-IC1390	3P32443.D	06/06/14	18:37	00:09	Initial cal 100
E3P1390-IC1390	3P32444.D	06/06/14	19:03	00:35	Initial cal 80
E3P1390-ICC1390	3P32445.D	06/06/14	19:28	01:00	Initial cal 50
E3P1390-IC1390	3P32446.D	06/06/14	19:54	01:26	Initial cal 25
E3P1390-IC1390	3P32447.D	06/06/14	20:20	01:52	Initial cal 10
E3P1390-IC1390	3P32448.D	06/06/14	20:45	02:17	Initial cal 5
E3P1390-IC1390	3P32449.D	06/06/14	21:11	02:43	Initial cal 2
E3P1390-IC1390	3P32450.D	06/06/14	21:36	03:08	Initial cal 1
E3P1390-ICV1389	3P32451.D	06/06/14	22:02	03:34	Initial cal verification 50
E3P1390-ICV1389	3P32452.D	06/06/14	22:27	03:59	Initial cal verification 50
E3P1390-ICV1390	3P32452A.D	06/06/14	22:27	03:59	Initial cal verification 50
E3P1390-ICV1390	3P32453A.D	06/06/14	22:53	04:25	Initial cal verification 50
E3P1390-ICV1389	3P32453.D	06/06/14	22:53	04:25	Initial cal verification 50
E3P1390-ICV1389	3P32454.D	06/06/14	23:19	04:51	Initial cal verification 50
E3P1390-ICV1389	3P32455.D	06/06/14	23:44	05:16	Initial cal verification 50
E3P1390-ICV1389	3P32456.D	06/07/14	00:10	05:42	Initial cal verification 50
E3P1390-ICV1390	3P32456A.D	06/07/14	00:10	05:42	Initial cal verification 50
E3P1390-ICV1390	3P32457.D	06/07/14	00:35	06:07	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1392-DFTPP	**Injection Date:**	06/09/14
Lab File ID:	3P32488.D	**Injection Time:**	10:49
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	12698	30.6		Pass
68	Less than 2.0% of mass 69	281	0.68	(1.60) [a]	Pass
69	Mass 69 relative abundance	17578	42.4		Pass
70	Less than 2.0% of mass 69	96	0.23	(0.55) [a]	Pass
127	40.0 - 60.0% of mass 198	21783	52.5		Pass
197	Less than 1.04% of mass 198	97	0.23		Pass
198	Base peak, 100% relative abundance	41478	100.0		Pass
199	5.0 - 9.0% of mass 198	2783	6.71		Pass
275	10.0 - 30.0% of mass 198	9252	22.3		Pass
365	1.0 - 100.0% of mass 198	1046	2.52		Pass
441	Present, but less than mass 443	4351	10.5	(75.4) [b]	Pass
442	40.0 - 100.0% of mass 198	28730	69.3		Pass
443	17.0 - 23.0% of mass 442	5767	13.9	(20.1) [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
E3P1392-ICV1389	3P32489.D	06/09/14	10:58	00:09	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1414-DFTPP	**Injection Date:**	06/24/14
Lab File ID:	3P33093.D	**Injection Time:**	19:45
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	5457	33.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	7282	45.0		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	7317	45.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	16195	100.0		Pass
199	5.0 - 9.0% of mass 198	1078	6.66		Pass
275	10.0 - 30.0% of mass 198	3799	23.5		Pass
365	1.0 - 100.0% of mass 198	499	3.08		Pass
441	Present, but less than mass 443	1327	8.19	(74.1) [b]	Pass
442	40.0 - 100.0% of mass 198	9314	57.5		Pass
443	17.0 - 23.0% of mass 442	1791	11.1	(19.2) [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
E3P1414-CC1389	3P33094.D	06/24/14	19:56	00:11	Continuing cal 50
OP75725-MB1	3P33095.D	06/24/14	20:37	00:52	Method Blank
OP75725-BS1	3P33096.D	06/24/14	21:03	01:18	Blank Spike
OP75897-MB1	3P33097.D	06/24/14	21:29	01:44	Method Blank
OP75897-BS1	3P33098.D	06/24/14	21:56	02:11	Blank Spike
OP75725-MS	3P33099.D	06/24/14	22:22	02:37	Matrix Spike
OP75725-MSD	3P33100A.D	06/24/14	23:25	03:40	Matrix Spike Duplicate
ZZZZZZ	3P33101.D	06/24/14	23:52	04:07	(unrelated sample)
ZZZZZZ	3P33102.D	06/25/14	00:18	04:33	(unrelated sample)
ZZZZZZ	3P33103.D	06/25/14	00:44	04:59	(unrelated sample)
ZZZZZZ	3P33104.D	06/25/14	01:10	05:25	(unrelated sample)
ZZZZZZ	3P33105.D	06/25/14	01:36	05:51	(unrelated sample)
ZZZZZZ	3P33106.D	06/25/14	02:03	06:18	(unrelated sample)
ZZZZZZ	3P33107.D	06/25/14	02:29	06:44	(unrelated sample)
ZZZZZZ	3P33108.D	06/25/14	02:55	07:10	(unrelated sample)
ZZZZZZ	3P33109.D	06/25/14	03:21	07:36	(unrelated sample)
ZZZZZZ	3P33110.D	06/25/14	03:47	08:02	(unrelated sample)
OP75897-MS	3P33111.D	06/25/14	04:13	08:28	Matrix Spike
OP75897-MSD	3P33112.D	06/25/14	04:39	08:54	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1414-DFTPP	**Injection Date:**	06/24/14
Lab File ID:	3P33093.D	**Injection Time:**	19:45
Instrument ID:	GCMS3P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3P33113.D	06/25/14	05:05	09:20	(unrelated sample)
ZZZZZZ	3P33114.D	06/25/14	05:31	09:46	(unrelated sample)
ZZZZZZ	3P33115.D	06/25/14	05:57	10:12	(unrelated sample)
JB69716-5	3P33116.D	06/25/14	06:23	10:38	(used for QC only; not part of job JB69926)
ZZZZZZ	3P33117.D	06/25/14	06:49	11:04	(unrelated sample)
ZZZZZZ	3P33118.D	06/25/14	07:15	11:30	(unrelated sample)
ZZZZZZ	3P33119.D	06/25/14	07:41	11:56	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1427-DFTPP	**Injection Date:**	07/02/14
Lab File ID:	3P33388.D	**Injection Time:**	16:56
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	5956	32.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	7862	42.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	8122	43.7		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	18600	100.0		Pass
199	5.0 - 9.0% of mass 198	1244	6.69		Pass
275	10.0 - 30.0% of mass 198	4855	26.1		Pass
365	1.0 - 100.0% of mass 198	669	3.60		Pass
441	Present, but less than mass 443	2132	11.5	(82.3) [b]	Pass
442	40.0 - 100.0% of mass 198	13244	71.2		Pass
443	17.0 - 23.0% of mass 442	2591	13.9	(19.6) [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
E3P1427-ICC1427	3P33389.D	07/02/14	17:35	00:39	Initial cal 50
E3P1427-IC1427	3P33390.D	07/02/14	18:09	01:13	Initial cal 25
E3P1427-IC1427	3P33391.D	07/02/14	18:38	01:42	Initial cal 100
E3P1427-IC1427	3P33392.D	07/02/14	19:07	02:11	Initial cal 80
E3P1427-IC1427	3P33393.D	07/02/14	19:35	02:39	Initial cal 10
E3P1427-IC1427	3P33394.D	07/02/14	20:02	03:06	Initial cal 5
E3P1427-IC1427	3P33395.D	07/02/14	20:29	03:33	Initial cal 2
E3P1427-IC1427	3P33396.D	07/02/14	20:55	03:59	Initial cal 1
E3P1427-ICV1427	3P33398.D	07/02/14	21:48	04:52	Initial cal verification 50
E3P1427-ICV1427	3P33399.D	07/02/14	22:14	05:18	Initial cal verification 50
E3P1427-ICV1427	3P33400.D	07/02/14	22:40	05:44	Initial cal verification 50
E3P1427-ICV1427	3P33401.D	07/02/14	23:06	06:10	Initial cal verification 50
E3P1427-ICV1427	3P33402.D	07/02/14	23:33	06:37	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1428-DFTPP	**Injection Date:**	07/03/14
Lab File ID:	3P33407.D	**Injection Time:**	11:02
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	5288	31.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	6912	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	7166	43.2		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	16602	100.0		Pass
199	5.0 - 9.0% of mass 198	1120	6.75		Pass
275	10.0 - 30.0% of mass 198	4720	28.4		Pass
365	1.0 - 100.0% of mass 198	650	3.92		Pass
441	Present, but less than mass 443	2059	12.4	(84.9) [b]	Pass
442	40.0 - 100.0% of mass 198	12768	76.9		Pass
443	17.0 - 23.0% of mass 442	2426	14.6	(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
E3P1428-ICV1427	3P33408.D	07/03/14	11:22	00:20	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1436-DFTPP	**Injection Date:**	07/09/14
Lab File ID:	3P33584.D	**Injection Time:**	14:26
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	8648	32.2		Pass
68	Less than 2.0% of mass 69	121	0.45	(1.04) [a]	Pass
69	Mass 69 relative abundance	11617	43.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	12016	44.7		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	26891	100.0		Pass
199	5.0 - 9.0% of mass 198	1872	6.96		Pass
275	10.0 - 30.0% of mass 198	7017	26.1		Pass
365	1.0 - 100.0% of mass 198	917	3.41		Pass
441	Present, but less than mass 443	2940	10.9	(81.2) [b]	Pass
442	40.0 - 100.0% of mass 198	18951	70.5		Pass
443	17.0 - 23.0% of mass 442	3620	13.5	(19.1) [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
E3P1436-CC1427	3P33585.D	07/09/14	14:38	00:12	Continuing cal 50
E3P1436-CC1390	3P33586.D	07/09/14	15:09	00:43	Continuing cal 50
ZZZZZZ	3P33589.D	07/09/14	16:52	02:26	(unrelated sample)
ZZZZZZ	3P33592.D	07/09/14	18:08	03:42	(unrelated sample)
ZZZZZZ	3P33594.D	07/09/14	18:58	04:32	(unrelated sample)
ZZZZZZ	3P33597.D	07/09/14	20:14	05:48	(unrelated sample)
ZZZZZZ	3P33599.D	07/09/14	21:05	06:39	(unrelated sample)
JB69926-1	3P33600.D	07/09/14	21:30	07:04	389-UST-6-PE-1

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1441-DFTPP	**Injection Date:**	07/11/14
Lab File ID:	3P33701.D	**Injection Time:**	15:42
Instrument ID:	GCMS3P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	2957	32.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	3880	42.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	4064	44.4		Pass
197	Less than 1.04% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	9162	100.0		Pass
199	5.0 - 9.0% of mass 198	608	6.64		Pass
275	10.0 - 30.0% of mass 198	2493	27.2		Pass
365	1.0 - 100.0% of mass 198	266	2.90		Pass
441	Present, but less than mass 443	1094	11.9	(86.1) [b]	Pass
442	40.0 - 100.0% of mass 198	6543	71.4		Pass
443	17.0 - 23.0% of mass 442	1271	13.9	(19.4) [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
E3P1441-CC1427	3P33703A.D	07/11/14	16:31	00:49	Continuing cal 50
E3P1441-CC1390	3P33704.D	07/11/14	17:00	01:18	Continuing cal 50
OP76318-MB1	3P33707.D	07/11/14	18:16	02:34	Method Blank
OP76318-BS1	3P33708.D	07/11/14	18:42	03:00	Blank Spike
ZZZZZZ	3P33710.D	07/11/14	19:32	03:50	(unrelated sample)
ZZZZZZ	3P33711.D	07/11/14	19:57	04:15	(unrelated sample)
JB69926-2	3P33712.D	07/11/14	20:22	04:40	390-UST-6-PE-2
JB69926-3	3P33713.D	07/11/14	20:48	05:06	391-UST-6-PE-3
JB69926-4	3P33714.D	07/11/14	21:13	05:31	392-UST-6-PE-4
JB69926-5	3P33715.D	07/11/14	21:38	05:56	393-UST-6-PE-5
JB69926-6	3P33716.D	07/11/14	22:03	06:21	394-UST-4-PE-1
JB69926-7	3P33717.D	07/11/14	22:28	06:46	395-UST-4-PE-2
JB69926-8	3P33718.D	07/11/14	22:53	07:11	396-UST-4-PE-3
JB69926-9	3P33719.D	07/11/14	23:18	07:36	397-UST-4-PE-4
ZZZZZZ	3P33720.D	07/11/14	23:43	08:01	(unrelated sample)
ZZZZZZ	3P33721.D	07/12/14	00:08	08:26	(unrelated sample)
ZZZZZZ	3P33723.D	07/12/14	00:59	09:17	(unrelated sample)
ZZZZZZ	3P33724.D	07/12/14	01:24	09:42	(unrelated sample)
ZZZZZZ	3P33725.D	07/12/14	01:49	10:07	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	E3P1441-DFTPP	**Injection Date:**	07/11/14
Lab File ID:	3P33701.D	**Injection Time:**	15:42
Instrument ID:	GCMS3P		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3P33726.D	07/12/14	02:14	10:32	(unrelated sample)
ZZZZZZ	3P33727.D	07/12/14	02:39	10:57	(unrelated sample)
ZZZZZZ	3P33728.D	07/12/14	03:04	11:22	(unrelated sample)
ZZZZZZ	3P33729.D	07/12/14	03:29	11:47	(unrelated sample)
ZZZZZZ	3P33730.D	07/12/14	03:54	12:12	(unrelated sample)
ZZZZZZ	3P33731.D	07/12/14	04:19	12:37	(unrelated sample)
JB71197-1	3P33732.D	07/12/14	04:44	13:02	(used for QC only; not part of job JB69926)
OP76318-MS	3P33733.D	07/12/14	05:09	13:27	Matrix Spike
OP76318-MSD	3P33734.D	07/12/14	05:34	13:52	Matrix Spike Duplicate
ZZZZZZ	3P33735.D	07/12/14	05:59	14:17	(unrelated sample)
ZZZZZZ	3P33736.D	07/12/14	06:24	14:42	(unrelated sample)
ZZZZZZ	3P33737.D	07/12/14	06:49	15:07	(unrelated sample)
ZZZZZZ	3P33738.D	07/12/14	07:14	15:32	(unrelated sample)
ZZZZZZ	3P33739.D	07/12/14	07:39	15:57	(unrelated sample)
ZZZZZZ	3P33740.D	07/12/14	08:04	16:22	(unrelated sample)
ZZZZZZ	3P33741.D	07/12/14	08:29	16:47	(unrelated sample)
ZZZZZZ	3P33742.D	07/12/14	08:54	17:12	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4300-DFTPP
Lab File ID: M105035.D
Instrument ID: GCMSM
Injection Date: 06/12/14
Injection Time: 09:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13811	33.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	18716	45.8		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	20549	50.3		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40824	100.0		Pass
199	5.0 - 9.0% of mass 198	3002	7.35		Pass
275	10.0 - 30.0% of mass 198	10521	25.8		Pass
365	1.0 - 100.0% of mass 198	1331	3.26		Pass
441	Present, but less than mass 443	5152	12.6	(79.5) [b]	Pass
442	40.0 - 100.0% of mass 198	34101	83.5		Pass
443	17.0 - 23.0% of mass 442	6479	15.9	(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
EM4300-IC4300	M105036.D	06/12/14	10:09	00:17	Initial cal 100
EM4300-IC4300	M105037.D	06/12/14	11:07	01:15	Initial cal 1
EM4300-IC4300	M105038.D	06/12/14	11:42	01:50	Initial cal 80
EM4300-ICC4300	M105039.D	06/12/14	12:11	02:19	Initial cal 50
EM4300-IC4300	M105040.D	06/12/14	12:40	02:48	Initial cal 25
EM4300-IC4300	M105041.D	06/12/14	13:10	03:18	Initial cal 10
EM4300-IC4300	M105042.D	06/12/14	13:40	03:48	Initial cal 5
EM4300-IC4300	M105043.D	06/12/14	14:10	04:18	Initial cal 2

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4301-DFTPP
Lab File ID: M105045.D
Instrument ID: GCMSM
Injection Date: 06/12/14
Injection Time: 14:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11315	37.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	15288	51.2		Pass
70	Less than 2.0% of mass 69	78	0.26	(0.51) [a]	Pass
127	40.0 - 60.0% of mass 198	15691	52.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	29848	100.0		Pass
199	5.0 - 9.0% of mass 198	2069	6.93		Pass
275	10.0 - 30.0% of mass 198	7401	24.8		Pass
365	1.0 - 100.0% of mass 198	852	2.85		Pass
441	Present, but less than mass 443	3697	12.4	(79.1) [b]	Pass
442	40.0 - 100.0% of mass 198	23090	77.4		Pass
443	17.0 - 23.0% of mass 442	4672	15.7	(20.2) [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
EM4301-IC4301	M105046.D	06/12/14	14:49	00:14	Initial cal 100
EM4301-IC4301	M105047.D	06/12/14	15:19	00:44	Initial cal 80
EM4301-ICC4301	M105048.D	06/12/14	15:49	01:14	Initial cal 50
EM4301-IC4301	M105049.D	06/12/14	16:18	01:43	Initial cal 25
EM4301-IC4301	M105050.D	06/12/14	16:48	02:13	Initial cal 10
EM4301-IC4301	M105051.D	06/12/14	17:17	02:42	Initial cal 5
EM4301-IC4301	M105052.D	06/12/14	17:47	03:12	Initial cal 2
EM4301-IC4301	M105053.D	06/12/14	18:16	03:41	Initial cal 1
EM4301-ICV4300	M105054.D	06/12/14	18:45	04:10	Initial cal verification 50
EM4301-ICV4301	M105054A.D	06/12/14	18:45	04:10	Initial cal verification 50
EM4301-ICV4300	M105055.D	06/12/14	19:15	04:40	Initial cal verification 50
EM4301-ICV4301	M105055A.D	06/12/14	19:15	04:40	Initial cal verification 50
EM4301-ICV4300	M105056.D	06/12/14	19:44	05:09	Initial cal verification 50
EM4301-ICV4300	M105057.D	06/12/14	20:14	05:39	Initial cal verification 50
EM4301-ICV4301	M105059A.D	06/12/14	21:12	06:37	Initial cal verification 50
EM4301-ICV4300	M105059.D	06/12/14	21:12	06:37	Initial cal verification 50
EM4301-ICV4301	M105060.D	06/12/14	21:42	07:07	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4302-DFTPP	**Injection Date:**	06/13/14
Lab File ID:	M105063.D	**Injection Time:**	09:39
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	18660	35.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	24667	46.8		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	28253	53.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	52752	100.0		Pass
199	5.0 - 9.0% of mass 198	3640	6.90		Pass
275	10.0 - 30.0% of mass 198	12891	24.4		Pass
365	1.0 - 100.0% of mass 198	1571	2.98		Pass
441	Present, but less than mass 443	6430	12.2	(79.1) [b]	Pass
442	40.0 - 100.0% of mass 198	43745	82.9		Pass
443	17.0 - 23.0% of mass 442	8125	15.4	(18.6) [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
EM4302-ICV4300	M105064.D	06/13/14	09:54	00:15	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EM4334-DFTPP
Lab File ID: M105977.D
Instrument ID: GCMSM
Injection Date: 07/03/14
Injection Time: 08:29

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15962	33.3		Pass
68	Less than 2.0% of mass 69	157	0.33	(0.76) [a]	Pass
69	Mass 69 relative abundance	20661	43.1		Pass
70	Less than 2.0% of mass 69	76	0.16	(0.37) [a]	Pass
127	40.0 - 60.0% of mass 198	23656	49.4		Pass
197	Less than 1.0% of mass 198	288	0.60		Pass
198	Base peak, 100% relative abundance	47933	100.0		Pass
199	5.0 - 9.0% of mass 198	3264	6.81		Pass
275	10.0 - 30.0% of mass 198	9756	20.4		Pass
365	1.0 - 100.0% of mass 198	1119	2.33		Pass
441	Present, but less than mass 443	4436	9.25	(76.7) [b]	Pass
442	40.0 - 100.0% of mass 198	30980	64.6		Pass
443	17.0 - 23.0% of mass 442	5786	12.1	(18.7) [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
EM4334-CC4300	M105978.D	07/03/14	08:41	00:12	Continuing cal 50
EM4334-CC4301	M105979.D	07/03/14	09:10	00:41	Continuing cal 50
OP75936-MB1	M105980.D	07/03/14	09:43	01:14	Method Blank
OP75936-BS1	M105981.D	07/03/14	10:12	01:43	Blank Spike
ZZZZZZ	M105982.D	07/03/14	10:41	02:12	(unrelated sample)
ZZZZZZ	M105983.D	07/03/14	11:10	02:41	(unrelated sample)
ZZZZZZ	M105984.D	07/03/14	11:40	03:11	(unrelated sample)
ZZZZZZ	M105985.D	07/03/14	12:09	03:40	(unrelated sample)
ZZZZZZ	M105986.D	07/03/14	12:38	04:09	(unrelated sample)
ZZZZZZ	M105987.D	07/03/14	13:07	04:38	(unrelated sample)
ZZZZZZ	M105988.D	07/03/14	13:36	05:07	(unrelated sample)
ZZZZZZ	M105989.D	07/03/14	14:06	05:37	(unrelated sample)
ZZZZZZ	M105990.D	07/03/14	14:35	06:06	(unrelated sample)
JB69864-1	M105991.D	07/03/14	15:05	06:36	(used for QC only; not part of job JB69926)
ZZZZZZ	M105992.D	07/03/14	15:34	07:05	(unrelated sample)
ZZZZZZ	M105993.D	07/03/14	16:03	07:34	(unrelated sample)
ZZZZZZ	M105994.D	07/03/14	16:33	08:04	(unrelated sample)
ZZZZZZ	M105995.D	07/03/14	17:02	08:33	(unrelated sample)
JB69926-11	M105998.D	07/03/14	18:31	10:02	387-FB-17

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EM4334-DFTPP	**Injection Date:**	07/03/14
Lab File ID:	M105977.D	**Injection Time:**	08:29
Instrument ID:	GCMSM		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP75936-MS	M105999.D	07/03/14	19:00	10:31	Matrix Spike
OP75936-MSD	M106000.D	07/03/14	19:29	11:00	Matrix Spike Duplicate
OP76009-MS	M106001.D	07/03/14	19:58	11:29	Matrix Spike
OP76009-MSD	M106002.D	07/03/14	20:27	11:58	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EP3684-DFTPP
Lab File ID: P86522.D
Instrument ID: GCMSP
Injection Date: 06/20/14
Injection Time: 15:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	4896	34.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	5498	38.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	6457	44.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	14398	100.0		Pass
199	5.0 - 9.0% of mass 198	995	6.91		Pass
275	10.0 - 30.0% of mass 198	2545	17.7		Pass
365	1.0 - 100.0% of mass 198	288	2.00		Pass
441	Present, but less than mass 443	1160	8.06	(79.3) [b]	Pass
442	40.0 - 100.0% of mass 198	7551	52.4		Pass
443	17.0 - 23.0% of mass 442	1463	10.2	(19.4) [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
EP3684-IC3684	P86523.D	06/20/14	16:02	00:16	Initial cal 100
EP3684-IC3684	P86524.D	06/20/14	16:28	00:42	Initial cal 1
EP3684-IC3684	P86525.D	06/20/14	16:54	01:08	Initial cal 80
EP3684-IC3684	P86526.D	06/20/14	17:21	01:35	Initial cal 2
EP3684-ICC3684	P86527.D	06/20/14	17:53	02:07	Initial cal 50
EP3684-IC3684	P86528.D	06/20/14	18:19	02:33	Initial cal 5
EP3684-IC3684	P86529.D	06/20/14	18:45	02:59	Initial cal 25
EP3684-IC3684	P86530.D	06/20/14	19:11	03:25	Initial cal 10

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EP3685-DFTPP
Lab File ID: P86531.D
Instrument ID: GCMSP
Injection Date: 06/20/14
Injection Time: 19:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	4269	30.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	4798	34.6		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	5890	42.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	13854	100.0		Pass
199	5.0 - 9.0% of mass 198	807	5.83		Pass
275	10.0 - 30.0% of mass 198	2558	18.5		Pass
365	1.0 - 100.0% of mass 198	145	1.05		Pass
441	Present, but less than mass 443	1397	10.1	(82.6) [b]	Pass
442	40.0 - 100.0% of mass 198	8627	62.3		Pass
443	17.0 - 23.0% of mass 442	1691	12.2	(19.6) [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
EP3685-IC3685	P86532.D	06/20/14	19:45	00:12	Initial cal 100
EP3685-IC3685	P86533.D	06/20/14	20:11	00:38	Initial cal 80
EP3685-ICC3685	P86534.D	06/20/14	20:38	01:05	Initial cal 50
EP3685-IC3685	P86535.D	06/20/14	21:05	01:32	Initial cal 25
EP3685-IC3685	P86536.D	06/20/14	21:33	02:00	Initial cal 10
EP3685-IC3685	P86537.D	06/20/14	22:01	02:28	Initial cal 5
EP3685-IC3685	P86538.D	06/20/14	22:29	02:56	Initial cal 2
EP3685-IC3685	P86539.D	06/20/14	22:58	03:25	Initial cal 1
EP3685-ICV3684	P86540.D	06/20/14	23:27	03:54	Initial cal verification 50
EP3685-ICV3684	P86541.D	06/20/14	23:54	04:21	Initial cal verification 50
EP3685-ICV3685	P86541A.D	06/20/14	23:54	04:21	Initial cal verification 50
EP3685-ICV3685	P86542A.D	06/21/14	00:21	04:48	Initial cal verification 50
EP3685-ICV3684	P86542.D	06/21/14	00:21	04:48	Initial cal verification 50
EP3685-ICV3684	P86545.D	06/21/14	01:40	06:07	Initial cal verification 50
EP3685-ICV3685	P86545A.D	06/21/14	01:40	06:07	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EP3687-DFTPP
Lab File ID: P86572.D
Instrument ID: GCMSP
Injection Date: 06/21/14
Injection Time: 13:38

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	5470	32.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	6044	36.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	7526	45.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	16666	100.0		Pass
199	5.0 - 9.0% of mass 198	1112	6.67		Pass
275	10.0 - 30.0% of mass 198	3089	18.5		Pass
365	1.0 - 100.0% of mass 198	358	2.15		Pass
441	Present, but less than mass 443	1524	9.14	(80.2) [b]	Pass
442	40.0 - 100.0% of mass 198	9420	56.5		Pass
443	17.0 - 23.0% of mass 442	1900	11.4	(20.2) [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
EP3687-ICV3684	P86575.D	06/21/14	14:58	01:20	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EP3691-DFTPP
Lab File ID: P86639.D
Instrument ID: GCMSP
Injection Date: 06/24/14
Injection Time: 19:37

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	6983	36.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	9113	48.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	9569	50.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	18911	100.0		Pass
199	5.0 - 9.0% of mass 198	1272	6.73		Pass
275	10.0 - 30.0% of mass 198	4114	21.8		Pass
365	1.0 - 100.0% of mass 198	385	2.04		Pass
441	Present, but less than mass 443	1623	8.58	(76.2) [b]	Pass
442	40.0 - 100.0% of mass 198	11349	60.0		Pass
443	17.0 - 23.0% of mass 442	2129	11.3	(18.8) [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
EP3691-CC3684	P86640.D	06/24/14	19:49	00:12	Continuing cal 25
EP3691-CC3685	P86641.D	06/24/14	20:16	00:39	Continuing cal 25
OP75840-MB1	P86643.D	06/24/14	21:12	01:35	Method Blank
OP75840-BS1	P86644.D	06/24/14	21:38	02:01	Blank Spike
OP75898-MB1	P86645.D	06/24/14	22:05	02:28	Method Blank
OP75898-BS1	P86646.D	06/24/14	22:31	02:54	Blank Spike
ZZZZZZ	P86647.D	06/24/14	22:58	03:21	(unrelated sample)
ZZZZZZ	P86648.D	06/24/14	23:24	03:47	(unrelated sample)
ZZZZZZ	P86649.D	06/24/14	23:51	04:14	(unrelated sample)
ZZZZZZ	P86652.D	06/25/14	01:10	05:33	(unrelated sample)
ZZZZZZ	P86653.D	06/25/14	01:36	05:59	(unrelated sample)
ZZZZZZ	P86654.D	06/25/14	02:03	06:26	(unrelated sample)
ZZZZZZ	P86655.D	06/25/14	02:29	06:52	(unrelated sample)
ZZZZZZ	P86656.D	06/25/14	02:55	07:18	(unrelated sample)
ZZZZZZ	P86657.D	06/25/14	03:21	07:44	(unrelated sample)
ZZZZZZ	P86658.D	06/25/14	03:48	08:11	(unrelated sample)
ZZZZZZ	P86659.D	06/25/14	04:14	08:37	(unrelated sample)
ZZZZZZ	P86660.D	06/25/14	04:40	09:03	(unrelated sample)
ZZZZZZ	P86661.D	06/25/14	05:06	09:29	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EP3691-DFTPP	**Injection Date:**	06/24/14
Lab File ID:	P86639.D	**Injection Time:**	19:37
Instrument ID:	GCMSP		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	P86662.D	06/25/14	05:33	09:56	(unrelated sample)
ZZZZZZ	P86663.D	06/25/14	05:59	10:22	(unrelated sample)
ZZZZZZ	P86664.D	06/25/14	06:25	10:48	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: EP3698-DFTPP
Lab File ID: P86827.D
Instrument ID: GCMSP
Injection Date: 06/29/14
Injection Time: 12:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	14413	39.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	18985	52.3		Pass
70	Less than 2.0% of mass 69	147	0.41	(0.77) [a]	Pass
127	40.0 - 60.0% of mass 198	19457	53.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	36272	100.0		Pass
199	5.0 - 9.0% of mass 198	2498	6.89		Pass
275	10.0 - 30.0% of mass 198	7749	21.4		Pass
365	1.0 - 100.0% of mass 198	938	2.59		Pass
441	Present, but less than mass 443	2926	8.07	(81.8) [b]	Pass
442	40.0 - 100.0% of mass 198	19065	52.6		Pass
443	17.0 - 23.0% of mass 442	3577	9.86	(18.8) [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
EP3698-CC3684	P86828.D	06/29/14	12:40	00:16	Continuing cal 25
EP3698-CC3685	P86829.D	06/29/14	13:06	00:42	Continuing cal 25
OP75768-MB1	P86831.D	06/29/14	14:20	01:56	Method Blank
ZZZZZZ	P86832.D	06/29/14	14:48	02:24	(unrelated sample)
ZZZZZZ	P86833.D	06/29/14	15:13	02:49	(unrelated sample)
ZZZZZZ	P86834.D	06/29/14	15:39	03:15	(unrelated sample)
ZZZZZZ	P86835.D	06/29/14	16:05	03:41	(unrelated sample)
ZZZZZZ	P86836.D	06/29/14	16:30	04:06	(unrelated sample)
ZZZZZZ	P86837.D	06/29/14	16:56	04:32	(unrelated sample)
ZZZZZZ	P86838.D	06/29/14	17:22	04:58	(unrelated sample)
ZZZZZZ	P86839.D	06/29/14	17:48	05:24	(unrelated sample)
ZZZZZZ	P86840.D	06/29/14	18:13	05:49	(unrelated sample)
ZZZZZZ	P86841.D	06/29/14	18:39	06:15	(unrelated sample)
ZZZZZZ	P86842.D	06/29/14	19:05	06:41	(unrelated sample)
ZZZZZZ	P86843.D	06/29/14	19:30	07:06	(unrelated sample)
ZZZZZZ	P86845.D	06/29/14	20:22	07:58	(unrelated sample)
ZZZZZZ	P86846.D	06/29/14	20:47	08:23	(unrelated sample)
JB70312-4	P86847.D	06/29/14	21:13	08:49	(used for QC only; not part of job JB69926)
JB70048-1	P86848.D	06/29/14	21:38	09:14	(used for QC only; not part of job JB69926)

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EP3698-DFTPP	**Injection Date:**	06/29/14
Lab File ID:	P86827.D	**Injection Time:**	12:24
Instrument ID:	GCMSP		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP75940-MS	P86849.D	06/29/14	22:04	09:40	Matrix Spike
OP75940-MSD	P86850.D	06/29/14	22:29	10:05	Matrix Spike Duplicate
JB69926-10	P86851.D	06/29/14	22:54	10:30	398-UST-4-PE-5
OP75898-MS	P86852.D	06/29/14	23:20	10:56	Matrix Spike
OP75898-MSD	P86853.D	06/29/14	23:45	11:21	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample:	EP3699-DFTPP	**Injection Date:**	06/30/14
Lab File ID:	P86869.D	**Injection Time:**	13:23
Instrument ID:	GCMSP		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	12360	31.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	16800	43.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	19715	50.8		Pass
197	Less than 1.0% of mass 198	139	0.36		Pass
198	Base peak, 100% relative abundance	38773	100.0		Pass
199	5.0 - 9.0% of mass 198	2746	7.08		Pass
275	10.0 - 30.0% of mass 198	9106	23.5		Pass
365	1.0 - 100.0% of mass 198	938	2.42		Pass
441	Present, but less than mass 443	3873	9.99	(81.5) [b]	Pass
442	40.0 - 100.0% of mass 198	25386	65.5		Pass
443	17.0 - 23.0% of mass 442	4754	12.3	(18.7) [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
EP3699-CC3684	P86871.D	06/30/14	14:09	00:46	Continuing cal 50
ZZZZZZ	P86872.D	06/30/14	17:01	03:38	(unrelated sample)
JB69926-10	P86873.D	06/30/14	17:27	04:04	398-UST-4-PE-5

Semivolatile Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3E2692-CC2680	**Injection Date:**	07/05/14
Lab File ID:	3E62849.D	**Injection Time:**	08:38
Instrument ID:	GCMS3E	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	187376	4.67	706556	5.75	432821	7.81	744679	9.99	747974	14.18	666820	16.31
Upper Limit [a]	374752	5.17	1413112	6.25	865642	8.31	1489358	10.49	1495948	14.68	1333640	16.81
Lower Limit [b]	93688	4.17	353278	5.25	216411	7.31	372340	9.49	373987	13.68	333410	15.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
JB69788-1	154773	4.67	577738	5.75	346705	7.81	583168	9.98	604178	14.18	550767	16.31
ZZZZZZ	177809	4.67	678076	5.75	412374	7.81	700991	9.98	704692	14.18	592249	16.31
ZZZZZZ	177393	4.67	665720	5.75	398792	7.81	668913	9.98	682586	14.18	598786	16.31
ZZZZZZ	142342	4.67	531023	5.75	323938	7.81	547817	9.98	544458	14.18	464981	16.31
OP75935-MB1	104866	4.67	405300	5.75	240344	7.81	404270	9.98	411473	14.18	381440	16.31
OP75935-MS	177232	4.66	660484	5.75	386365	7.81	638457	9.98	697986	14.18	618723	16.31
OP75935-MSD	136857	4.66	495300	5.75	290777	7.81	489582	9.98	529242	14.18	475439	16.31
JB69926-13	126988	4.66	467533	5.75	277696	7.81	465469	9.98	460305	14.18	431726	16.31
JB69926-17	108873	4.66	416017	5.75	251015	7.81	417469	9.98	434671	14.18	410056	16.31
JB69926-18	122189	4.66	454057	5.75	279557	7.81	466807	9.98	474686	14.18	440705	16.31
JB69926-14	94194	4.66	354529	5.75	219497	7.81	374670	9.98	404850	14.18	359348	16.31
JB69926-15	119541	4.66	440654	5.75	269189	7.81	452805	9.98	470967	14.18	403920	16.31
JB69926-16	104588	4.66	395043	5.75	236532	7.81	395831	9.98	400318	14.17	389778	16.30
ZZZZZZ	124247	4.66	461262	5.75	279140	7.81	453780	9.98	466910	14.17	435989	16.31
ZZZZZZ	151440	4.67	539171	5.75	355221	7.83	642187	10.05	566753	14.22	513773	16.35

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 Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1414-CC1389	**Injection Date:**	06/24/14
Lab File ID:	3P33094.D	**Injection Time:**	19:56
Instrument ID:	GCMS3P	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	262464	4.46	823570	5.39	543683	6.73	983248	8.51	1022022	13.67	761374	16.71
Upper Limit [a]	524928	4.96	1647140	5.89	1087366	7.23	1966496	9.01	2044044	14.17	1522748	17.21
Lower Limit [b]	131232	3.96	411785	4.89	271842	6.23	491624	8.01	511011	13.17	380687	16.21

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP75725-MB1	289510	4.46	987831	5.38	644827	6.73	1159247	8.50	1167979	13.66	876682	16.70
OP75725-BS1	279678	4.46	896775	5.39	614395	6.73	1113227	8.50	1216467	13.67	911415	16.70
OP75897-MB1	276765	4.46	915443	5.38	591081	6.73	1013857	8.50	1011265	13.66	804186	16.70
OP75897-BS1	301862	4.47	951145	5.39	606109	6.73	1071108	8.50	1151474	13.67	869993	16.70
OP75725-MS	183370	4.46	579859	5.38	378522	6.73	673234	8.50	630615	13.67	503464	16.71
OP75725-MSD	332303	4.46	1017542	5.38	618469	6.73	1097121	8.51	933755	13.68	756215	16.72
ZZZZZZ	352697	4.46	1114002	5.38	629371	6.73	1036360	8.51	941993	13.70	806056	16.74
ZZZZZZ	296678	4.47	932389	5.38	494801	6.73	810945	8.51	881115	13.67	704024	16.71
ZZZZZZ	346156	4.47	1136755	5.38	693803	6.73	1166267	8.50	1036663	13.67	783945	16.71
ZZZZZZ	341709	4.47	1126823	5.38	692734	6.73	1165963	8.50	1047664	13.67	773135	16.71
ZZZZZZ	331508	4.47	1076024	5.38	669298	6.73	1100778	8.50	950507	13.67	746614	16.71
ZZZZZZ	299005	4.47	1004181	5.38	628750	6.73	1049331	8.50	933129	13.66	733523	16.71
ZZZZZZ	334707	4.47	1073574	5.38	655468	6.73	1057829	8.50	925248	13.67	769258	16.72
ZZZZZZ	287749	4.47	957620	5.39	590188	6.73	955426	8.51	828460	13.68	697859	16.72
ZZZZZZ	294495	4.47	971835	5.39	603770	6.73	972042	8.51	848153	13.68	694992	16.72
ZZZZZZ	297453	4.47	1011749	5.39	642337	6.73	1000710	8.51	884537	13.69	744656	16.73
OP75897-MS	284008	4.47	869877	5.39	520784	6.74	872837	8.51	819619	13.68	649373	16.73
OP75897-MSD	275154	4.47	837921	5.39	511121	6.74	841881	8.51	838763	13.68	666466	16.72
ZZZZZZ	262216	4.47	851363	5.39	498446	6.73	823020	8.51	790720	13.67	622455	16.72
ZZZZZZ	239132	4.47	799220	5.39	491554	6.73	841478	8.51	789987	13.67	573355	16.72
ZZZZZZ	305352	4.47	1002258	5.39	631711	6.73	1055330	8.51	1020967	13.67	765085	16.72
JB69716-5	274297	4.47	922939	5.39	565367	6.73	905769	8.51	851412	13.67	700079	16.72
ZZZZZZ	292482	4.47	960694	5.39	613111	6.73	1038890	8.51	1024300	13.67	792541	16.72
ZZZZZZ	242844	4.47	834810	5.39	532231	6.73	929731	8.51	958147	13.67	717771	16.71
ZZZZZZ	300445	4.47	943017	5.39	526298	6.73	793931	8.51	841655	13.69	742146	16.75

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 Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1436-CC1427	**Injection Date:**	07/09/14
Lab File ID:	3P33585.D	**Injection Time:**	14:38
Instrument ID:	GCMS3P	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	295531	4.34	899526	5.26	561978	6.58	1054226	8.29	1215295	13.44	1028871	16.46
Upper Limit [a]	591062	4.84	1799052	5.76	1123956	7.08	2108452	8.79	2430590	13.94	2057742	16.96
Lower Limit [b]	147766	3.84	449763	4.76	280989	6.08	527113	7.79	607648	12.94	514436	15.96

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	189708	4.34	661609	5.26	412474	6.58	756238	8.29	895347	13.42	835020	16.44
ZZZZZZ	153662	4.34	504778	5.33	358913	6.58	697173	8.30	886100	13.44	769563	16.45
ZZZZZZ	128573*	4.34	560470	5.28	320233	6.58	626841	8.30	830635	13.43	735435	16.45
ZZZZZZ	177900	4.34	643467	5.26	429446	6.58	821716	8.29	995318	13.41	878488	16.44
ZZZZZZ	192172	4.34	675355	5.26	443103	6.58	852246	8.29	1026579	13.41	890059	16.44
JB69926-1	341419	4.34	1291242	5.26	859962	6.58	1614390	8.30	1937009	13.42	1717897	16.45

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 Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1441-CC1427	**Injection Date:**	07/11/14
Lab File ID:	3P33703A.D	**Injection Time:**	16:31
Instrument ID:	GCMS3P	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	238033	4.33	773401	5.25	506543	6.56	979631	8.26	1346912	13.36	1211419	16.39
Upper Limit [a]	476066	4.83	1546802	5.75	1013086	7.06	1959262	8.76	2693824	13.86	2422838	16.89
Lower Limit [b]	119017	3.83	386701	4.75	253272	6.06	489816	7.76	673456	12.86	605710	15.89

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP76318-MB1	186907	4.33	647480	5.25	408216	6.56	779715	8.26	999470	13.35	577264*	16.40
OP76318-BS1	212782	4.33	691569	5.25	442263	6.56	856146	8.26	1125987	13.36	1005570	16.39
ZZZZZZ	299122	4.33	1009385	5.25	563199	6.56	1078266	8.26	1410476	13.35	1292753	16.39
ZZZZZZ	220342	4.33	768694	5.25	529049	6.56	1035785	8.26	1393186	13.35	1330204	16.39
JB69926-2	268015	4.33	951089	5.25	582085	6.56	1075599	8.26	1332782	13.35	1279703	16.39
JB69926-3	272142	4.33	992391	5.25	618844	6.56	1155541	8.26	1480790	13.35	1394589	16.39
JB69926-4	293780	4.33	984853	5.25	602441	6.56	1140425	8.26	1476534	13.35	1404576	16.39
JB69926-5	249060	4.33	877067	5.25	570852	6.56	1083042	8.26	1338780	13.35	1315299	16.39
JB69926-6	280272	4.33	1033320	5.25	653816	6.56	1194685	8.26	1491731	13.35	1388354	16.39
JB69926-7	299582	4.33	1031048	5.25	630387	6.56	1161158	8.26	1333619	13.36	1186444	16.40
JB69926-8	262312	4.33	844943	5.25	490764	6.56	924320	8.27	1199896	13.35	1151803	16.39
JB69926-9	326334	4.33	1032544	5.25	597045	6.56	1059137	8.26	1397786	13.35	1352431	16.39
ZZZZZZ	284876	4.33	1003055	5.25	633692	6.56	1156443	8.26	1423137	13.35	1297498	16.39
ZZZZZZ	288479	4.34	1148819	5.25	658037	6.56	1246137	8.26	1388962	13.35	1262063	16.39
ZZZZZZ	271488	4.33	884507	5.25	511631	6.56	1017389	8.26	1135433	13.35	1004206	16.40
ZZZZZZ	257449	4.33	761973	5.25	457905	6.56	889881	8.27	1040990	13.36	973783	16.40
ZZZZZZ	255230	4.33	853936	5.25	517646	6.56	918617	8.27	1080709	13.36	965146	16.40
ZZZZZZ	278821	4.33	945962	5.25	572375	6.56	1109748	8.26	1296746	13.35	990864	16.40
ZZZZZZ	272487	4.33	969374	5.25	603270	6.56	1172287	8.26	1496285	13.35	1309264	16.40
ZZZZZZ	258549	4.33	868074	5.25	567138	6.56	1141978	8.26	1524766	13.35	1324594	16.39
ZZZZZZ	274865	4.33	959456	5.25	605884	6.56	1132514	8.26	1368862	13.35	1236127	16.39
ZZZZZZ	252190	4.33	898445	5.25	530798	6.56	941720	8.26	1001744	13.36	972899	16.40
ZZZZZZ	228856	4.33	810060	5.25	509512	6.56	961558	8.26	1218025	13.35	1087667	16.39
JB71197-1	233672	4.33	832151	5.25	551441	6.56	1106748	8.26	1370612	13.35	1178353	16.39
OP76318-MS	247018	4.33	819793	5.25	544868	6.56	1033911	8.26	1276964	13.36	1106356	16.40
OP76318-MSD	231542	4.33	792092	5.25	520892	6.56	997474	8.26	1244139	13.36	1083777	16.40
ZZZZZZ	274353	4.33	880046	5.25	541210	6.56	1062805	8.26	1302013	13.35	1167870	16.39
ZZZZZZ	237494	4.33	826754	5.25	526629	6.56	963161	8.26	1187093	13.35	1113715	16.39
ZZZZZZ	232988	4.33	824541	5.25	517756	6.56	939013	8.26	1150235	13.35	1062729	16.39
ZZZZZZ	256682	4.33	847643	5.25	549295	6.56	1017283	8.26	1207411	13.35	1090715	16.39
ZZZZZZ	231138	4.33	770798	5.25	477534	6.56	905333	8.26	1098176	13.35	968370	16.39
ZZZZZZ	265412	4.33	884258	5.25	560271	6.56	1028661	8.26	1221537	13.35	1126894	16.39
ZZZZZZ	281392	4.33	860109	5.25	568558	6.56	1073032	8.26	1280862	13.35	1154230	16.39
ZZZZZZ	243627	4.33	856290	5.25	485521	6.56	1001430	8.26	1153919	13.35	1003401	16.39

Semivolatile Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	E3P1441-CC1427	**Injection Date:**	07/11/14
Lab File ID:	3P33703A.D	**Injection Time:**	16:31
Instrument ID:	GCMS3P	**Method:**	SW846 8270D

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

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 Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EM4334-CC4300 **Injection Date:** 07/03/14
Lab File ID: M105978.D **Injection Time:** 08:41
Instrument ID: GCMSM **Method:** SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	134172	4.74	503295	5.88	319529	8.25	546729	10.88	532427	16.07	445013	18.69
Upper Limit [a]	268344	5.24	1006590	6.38	639058	8.75	1093458	11.38	1064854	16.57	890026	19.19
Lower Limit [b]	67086	4.24	251648	5.38	159765	7.75	273365	10.38	266214	15.57	222507	18.19

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP75936-MB1	155453	4.74	585686	5.88	359595	8.25	633360	10.88	640836	16.05	554434	18.69
OP75936-BS1	142532	4.74	522137	5.89	329864	8.25	564020	10.88	553252	16.06	474190	18.69
ZZZZZZ	133279	4.74	490433	5.88	305865	8.24	536330	10.87	484972	16.05	420545	18.68
ZZZZZZ	147382	4.74	544909	5.88	332638	8.24	573646	10.88	567441	16.05	461640	18.68
ZZZZZZ	145499	4.74	541386	5.88	338169	8.24	570902	10.87	568322	16.05	473265	18.68
ZZZZZZ	133532	4.74	502953	5.88	308602	8.25	531384	10.88	527629	16.05	436312	18.68
ZZZZZZ	136630	4.74	498769	5.88	310895	8.24	534059	10.87	534096	16.05	459091	18.68
ZZZZZZ	153165	4.74	565007	5.88	356870	8.24	603083	10.88	598731	16.05	501461	18.68
ZZZZZZ	139045	4.74	517765	5.88	322722	8.24	557007	10.87	554313	16.05	460637	18.68
ZZZZZZ	133834	4.74	492651	5.88	304196	8.24	517427	10.87	509061	16.05	445379	18.67
ZZZZZZ	124434	4.74	461098	5.88	289358	8.24	487169	10.87	489382	16.04	416968	18.67
JB69864-1	163508	4.74	607802	5.88	384022	8.24	661134	10.87	660630	16.05	547890	18.67
ZZZZZZ	162618	4.74	618662	5.88	383283	8.24	657487	10.87	648987	16.05	556364	18.68
ZZZZZZ	150074	4.74	554885	5.88	349128	8.24	605282	10.87	594625	16.05	518565	18.67
ZZZZZZ	146268	4.74	539833	5.88	332625	8.24	571464	10.87	574930	16.05	474082	18.67
ZZZZZZ	149639	4.74	544298	5.88	328478	8.24	554858	10.87	507027	16.04	426089	18.67
JB69926-11	140667	4.74	522972	5.88	316959	8.24	536479	10.87	522594	16.04	428393	18.67
OP75936-MS	128162	4.74	481482	5.88	303794	8.24	520350	10.87	485444	16.05	411885	18.67
OP75936-MSD	134855	4.74	490437	5.88	305314	8.24	519949	10.87	477597	16.04	405369	18.67
OP76009-MS	131794	4.74	487597	5.89	297988	8.24	498102	10.88	439993	16.08	384521	18.71
OP76009-MSD	133628	4.74	480763	5.89	291135	8.25	481966	10.88	422632	16.09	361250	18.72

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 Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std: EP3691-CC3684 **Injection Date:** 06/24/14
Lab File ID: P86640.D **Injection Time:** 19:49
Instrument ID: GCMSP **Method:** SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	63728	3.93	242945	5.29	148826	7.36	230854	9.19	210465	12.99	187107	15.06
Upper Limit [a]	127456	4.43	485890	5.79	297652	7.86	461708	9.69	420930	13.49	374214	15.56
Lower Limit [b]	31864	3.43	121473	4.79	74413	6.86	115427	8.69	105233	12.49	93554	14.56

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP75840-MB1	54228	3.92	205437	5.28	124352	7.35	193620	9.18	166900	12.97	140373	15.05
OP75840-BS1	51885	3.92	198436	5.28	122091	7.35	189501	9.18	167592	12.98	146473	15.05
OP75898-MB1	55105	3.92	209858	5.28	125990	7.35	197005	9.18	176327	12.97	143630	15.04
OP75898-BS1	51750	3.92	196890	5.28	120123	7.35	185614	9.18	167727	12.98	144943	15.05
ZZZZZZ	45310	3.94	170922	5.28	104019	7.35	131696	9.18	147452	12.97	133466	15.04
ZZZZZZ	44316	3.93	157356	5.28	100340	7.35	135998	9.18	139245	12.97	124389	15.04
ZZZZZZ	44739	3.92	161883	5.28	93426	7.35	142228	9.18	146153	12.99	138783	15.06
ZZZZZZ	42808	3.92	144675	5.28	84168	7.35	141727	9.18	127974	12.97	118732	15.05
ZZZZZZ	51230	3.92	192630	5.28	113600	7.35	177219	9.18	153890	12.97	133987	15.05
ZZZZZZ	51643	3.93	195541	5.28	115570	7.35	177149	9.18	154449	12.97	140654	15.05
ZZZZZZ	46922	3.93	177049	5.28	105075	7.35	158454	9.18	145771	12.98	132259	15.05
ZZZZZZ	48231	3.92	162770	5.29	99526	7.36	156504	9.19	148832	12.99	138319	15.06
ZZZZZZ	52037	3.92	184232	5.28	106057	7.36	161901	9.19	150433	12.99	137208	15.06
ZZZZZZ	47267	3.92	157523	5.29	94335	7.36	146921	9.19	139453	12.99	127570	15.07
ZZZZZZ	39369	3.93	135463	5.29	88226	7.37	150177	9.19	140770	12.99	127465	15.06
ZZZZZZ	44502	3.93	153605	5.29	85072	7.37	139226	9.19	139942	12.99	124637	15.07
ZZZZZZ	43746	3.93	166428	5.29	96685	7.36	145398	9.19	130502	12.99	118516	15.07
ZZZZZZ	54965	3.93	207824	5.29	124660	7.37	192271	9.19	181037	13.00	169026	15.10
ZZZZZZ	41969	3.94	159572	5.29	92862	7.37	139581	9.20	133609	13.02	135475	15.13
ZZZZZZ	44483	3.94	160252	5.29	83453	7.38	133454	9.21	135547	13.02	128520	15.10

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 Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EP3698-CC3684	**Injection Date:**	06/29/14
Lab File ID:	P86828.D	**Injection Time:**	12:40
Instrument ID:	GCMSP	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	85158	3.88	336686	5.24	208394	7.32	291259	9.15	261448	12.95	243789	15.03
Upper Limit [a]	170316	4.38	673372	5.74	416788	7.82	582518	9.65	522896	13.45	487578	15.53
Lower Limit [b]	42579	3.38	168343	4.74	104197	6.82	145630	8.65	130724	12.45	121895	14.53

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP75768-MB1	106687	3.88	410565	5.23	241257	7.31	369440	9.13	266354	12.94	211783	15.01
ZZZZZZ	93528	3.88	360190	5.23	202955	7.31	296160	9.13	241914	12.93	200689	15.01
ZZZZZZ	99234	3.88	375595	5.23	218277	7.31	325517	9.13	246642	12.93	191348	15.00
ZZZZZZ	90279	3.88	342221	5.23	200063	7.31	284821	9.13	231670	12.93	186242	15.00
ZZZZZZ	76524	3.88	291199	5.23	166495	7.31	253266	9.13	193702	12.93	144739	15.00
ZZZZZZ	86896	3.87	329148	5.23	187384	7.31	284513	9.13	221404	12.93	169774	15.00
ZZZZZZ	90141	3.88	332615	5.23	174572	7.31	253633	9.13	237474	12.94	209598	15.02
ZZZZZZ	95858	3.88	370099	5.23	202815	7.31	293586	9.13	237650	12.93	205831	15.00
ZZZZZZ	82342	3.88	316914	5.23	180322	7.31	256251	9.13	203762	12.93	167880	15.00
ZZZZZZ	78809	3.88	294033	5.23	166655	7.31	237803	9.13	193977	12.93	165506	15.00
ZZZZZZ	74447	3.88	284742	5.23	152248	7.31	212965	9.13	189599	12.93	177409	15.00
ZZZZZZ	74184	3.88	265375	5.23	147640	7.31	203194	9.13	191349	12.94	176590	15.01
ZZZZZZ	77782	3.88	296765	5.23	170708	7.31	239392	9.13	186192	12.93	172068	15.01
ZZZZZZ	72936	3.87	278748	5.23	157446	7.31	215411	9.13	180670	12.93	164626	15.00
ZZZZZZ	93567	3.88	346214	5.23	183608	7.31	265268	9.13	215066	12.93	201141	15.01
JB70312-4	94898	3.88	355791	5.23	191653	7.31	279132	9.13	220911	12.93	199758	15.01
JB70048-1	82932	3.88	307858	5.23	174310	7.31	250576	9.13	200044	12.94	173624	15.01
OP75940-MS	71364	3.88	271672	5.24	159885	7.31	231618	9.14	193283	12.94	167051	15.02
OP75940-MSD	35198*	3.88	135882*	5.23	79767*	7.31	118905*	9.13	105341*	12.93	83402*	15.00
JB69926-10	40752*	3.88	137653*	5.23	78476*	7.32	116133*	9.14	112821*	12.94	98634*	15.01
OP75898-MS	66085	3.88	224258	5.24	121669	7.32	185837	9.14	180821	12.94	163246	15.02
OP75898-MSD	62554	3.88	236616	5.24	129848	7.33	186340	9.15	188976	12.95	172793	15.02

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 Internal Standard Area Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Check Std:	EP3699-CC3684	**Injection Date:**	06/30/14
Lab File ID:	P86871.D	**Injection Time:**	14:09
Instrument ID:	GCMSP	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	86607	3.86	343323	5.21	201627	7.29	322504	9.11	295626	12.91	252339	14.98
Upper Limit [a]	173214	4.36	686646	5.71	403254	7.79	645008	9.61	591252	13.41	504678	15.48
Lower Limit [b]	43304	3.36	171662	4.71	100814	6.79	161252	8.61	147813	12.41	126170	14.48

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	76217	3.86	297145	5.21	163300	7.28	248845	9.11	218675	12.90	200332	14.98
JB69926-10	81220	3.86	300204	5.21	170045	7.29	260125	9.11	259299	12.90	227765	14.98

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: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Method: SW846 8270D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JB69926-11	M105998.D	52	36	88	78	75	83
OP75936-BS1	M105981.D	58	42	101	90	82	88
OP75936-MB1	M105980.D	40	27	79	71	66	72
OP75936-MS	M105999.D	73	70	100	90	86	52
OP75936-MSD	M106000.D	57	53	81	73	71	50

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-110%
S2 = Phenol-d5	10-110%
S3 = 2,4,6-Tribromophenol	29-139%
S4 = Nitrobenzene-d5	28-131%
S5 = 2-Fluorobiphenyl	30-121%
S6 = Terphenyl-d14	16-147%

Semivolatile Surrogate Recovery Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Method: SW846 8270D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JB69926-1	3P33600.D				85	86	98
JB69926-2	3P33712.D				88	89	97
JB69926-3	3P33713.D				78	81	79
JB69926-4	3P33714.D				89	85	89
JB69926-5	3P33715.D				87	88	92
JB69926-6	3P33716.D				74	72	87
JB69926-7	3P33717.D				83	88	91
JB69926-8	3P33718.D				76	83	89
JB69926-9	3P33719.D				88	84	91
JB69926-10	P86873.D				98	77	86
JB69926-10	P86851.D				105	83	91
JB69926-13	3E62861.D	77	77	103	89	84	92
JB69926-14	3E62864.D	68	68	106	80	81	94
JB69926-15	3E62865.D	55	57	101	65	65	87
JB69926-16	3E62866.D	68	72	106	78	74	92
JB69926-17	3E62862.D	74	72	81	79	74	75
JB69926-18	3E62863.D	63	61	84	75	67	74
OP75897-BS1	3P33098.D				103	93	104
OP75897-MB1	3P33097.D				105	94	107
OP75897-MS	3P33111.D				90	84	94
OP75897-MSD	3P33112.D				87	82	101
OP75898-BS1	P86646.D	74	76	89	89	80	89
OP75898-MB1	P86645.D	75	80	90	94	87	94
OP75898-MS	P86852.D	71	75	89	105	83	83
OP75898-MSD	P86853.D	83	89	114	116* [a]	92	93

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	13-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	20-123%
S4 = Nitrobenzene-d5	10-110%
S5 = 2-Fluorobiphenyl	17-110%
S6 = Terphenyl-d14	30-124%

(a) Outside of in house control limits, but within reasonable method recovery limits.

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3E2647-ICC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61405.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2647.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Calibration Files
2 =3E61409.D 5 =3E61408.D 25 =3E61406.D 80 =3E61404.D
100 =3E61403.D 50 =3E61405.D 1 =3E61410.D 10 =3E61407.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
102) 1,4-Dichlorobenzene-d	ISTD								
103) Benzaldehyde	1.012	1.108	1.170	1.061	0.954	1.131	0.983	1.133	1.069 7.40
104) Acenaphthene-d10a	ISTD								
105) 1,2,4,5-Tetr	0.469	0.491	0.491	0.497	0.511	0.482	0.465	0.478	0.486 3.16
106) Phenanthrene-d10a	ISTD								
107) Atrazine	0.069	0.090	0.114	0.119	0.120	0.113		0.106	0.104 17.72
108) o-Terphenyl	0.457	0.519	0.552	0.565	0.569	0.551	0.452	0.536	0.525 8.83
109) 1-Chloroocta	0.202	0.277	0.367	0.371	0.360	0.371		0.339	0.327 19.67
110) I Chrysene-d12a	ISTD								
111) benzidine	0.614	0.883	0.592		0.808			0.780	0.736 17.23
112) I Naphthalene-d8a	ISTD								
113) Hydroquinone	0.202	0.331	0.333	0.334	0.339			0.277	0.303 17.91

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

M3E2646.M Fri Jun 06 10:04:47 2014 MS3E

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2647-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61416A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61416a.D Vial: 23
Acq On : 5 Jun 2014 3:49 am Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
110 I	Chrysene-d12a	1.000	1.000	0.0	177	0.00	14.66
111 T	benzidine	0.736	0.765	-3.9	168	0.00	12.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:01:00 2014 MS3E

8.7.2
8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2647-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61417.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2646\3E61417.D Vial: 24
Acq On : 5 Jun 2014 4:16 am Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2647, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	128	0.00	6.12
113 T	Hydroquinone	0.303	0.335	-10.6	127	0.01	6.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:02:06 2014 MS3E

8.7.3

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2648-ICV2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E61422A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2648\3E61422a.D Vial: 3
Acq On : 5 Jun 2014 1:05 pm Operator: olgaa
Sample : icv2647-50 Inst : MS3E
Misc : op74977,e3e2648, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2646.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
Last Update : Thu Jun 05 16:24:26 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	128	0.00	4.98
103	Benzaldehyde	1.069	1.319	-23.4	149	0.00	4.64
106	Phenanthrene-d10a	1.000	1.000	0.0	110	-0.01	10.44
107	Atrazine	0.104	0.137	-31.7#	134	0.00	10.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2646.M Fri Jun 06 10:24:54 2014 MS3E

8.7.4

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3E2680-ICC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62578.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3E

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 09:24:59 2014
Last Update : Fri Jun 27 09:24:59 2014
Response via : Initial Calibration

Calibration Files
2 =3E62573.D 5 =3E62574.D 25 =3E62579.D 80 =3E62576.D
100 =3E62577.D 50 =3E62578.D 1 =3E62572.D 10 =3E62575.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.472	0.533	0.480	0.474	0.468	0.457	0.533	0.479	0.487	5.99
3) Pyridine	1.122	1.321	1.199	1.171	1.178	1.109	1.198	1.238	1.192	5.61
4) N-Nitrosodim	0.624	0.689	0.658	0.675	0.650	0.644	0.733	0.698	0.671	5.18
5) 2-Fluorophen	1.301	1.348	1.237	1.300	1.277	1.227	1.389	1.309	1.298	4.14
6) Indene	2.666	2.745	2.461	2.511	2.453	2.381	2.733	2.731	2.585	5.75
7) Cumene	3.753	3.757	3.387	3.314	3.146	3.241	3.693	3.670	3.495	7.13
8) Phenol-d5	1.603	1.723	1.580	1.629	1.609	1.534	1.599	1.675	1.619	3.58
9) Phenol	1.916	1.995	1.699	1.759	1.736	1.680	2.018	1.925	1.841	7.45
10) Aniline	2.096	2.046	2.009	1.660	1.593	1.965	2.011	2.007	1.923	9.77
11) bis(2-Chloro	1.299	1.245	1.163	1.164	1.127	1.119	1.200	1.218	1.192	5.12
12) 2-Chlorophen	1.661	1.616	1.491	1.508	1.470	1.458	1.623	1.615	1.555	5.22
13) Decane	1.040	1.147	0.959	1.004	0.956	0.928	1.252	1.025	1.039	10.56
14) 1,3-Dichloro	1.843	1.832	1.664	1.686	1.640	1.614	1.852	1.786	1.740	5.69
15) 1,4-Dichloro	1.830	1.906	1.654	1.702	1.657	1.633	1.748	1.818	1.743	5.70
16) Benzyl alcoh	1.023	1.002	0.893	0.963	0.951	0.896	0.946	0.970	0.956	4.79
17) 1,2-Dichloro	1.747	1.774	1.575	1.613	1.551	1.512	1.723	1.717	1.651	6.08
18) Acetophenone	2.095	2.155	1.920	2.015	1.962	1.875	2.131	2.061	2.027	5.00
19) 2-Methylphen	1.324	1.320	1.269	1.254	1.240	1.228	1.178	1.235	1.256	3.86
20) 2,2'-oxybis(	0.535	0.558	0.500	0.521	0.517	0.481	0.593	0.518	0.528	6.58
21) 3&4-Methylph	1.302	1.451	1.363	1.370	1.356	1.294	1.187	1.341	1.333	5.72
22) n-Nitroso-di	0.877	0.937	0.845	0.879	0.850	0.834	0.941	0.881	0.881	4.55
23) Hexachloroet	0.546	0.570	0.515	0.528	0.517	0.494	0.537	0.546	0.532	4.42
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.381	0.375	0.358	0.353	0.341	0.334	0.376	0.374	0.362	4.84
26) Nitrobenzene	0.398	0.395	0.355	0.369	0.353	0.343	0.382	0.381	0.372	5.40
27) Quinoline	0.800	0.864	0.770	0.797	0.775	0.735	0.818	0.802	0.795	4.77
28) Isophorone	0.645	0.701	0.613	0.611	0.592	0.588	0.689	0.647	0.636	6.68
29) 2-Nitropheno	0.229	0.240	0.218	0.235	0.230	0.212	0.232	0.234	0.229	4.09
30) 2,4-Dimethyl	0.306	0.336	0.357	0.351	0.343	0.343	0.291	0.311	0.330	7.26
31) Benzoic acid	0.253	0.290	0.281	0.308	0.293	0.284	0.231	0.275	0.277	8.75
32) bis(2-Chloro	0.362	0.379	0.351	0.354	0.346	0.334	0.371	0.365	0.358	4.02
33) 2,4-Dichloro	0.324	0.328	0.304	0.316	0.310	0.295	0.320	0.322	0.315	3.56
34) 2,6-Dichloro	0.323	0.342	0.308	0.319	0.310	0.293	0.323	0.315	0.316	4.45
35) 1,3,5-Trichl	0.369	0.383	0.340	0.350	0.341	0.323	0.394	0.369	0.359	6.75
36) 1,2,4-Trichl	0.343	0.350	0.313	0.330	0.319	0.306	0.338	0.336	0.329	4.63
37) 1,2,3-Trichl	0.330	0.349	0.317	0.331	0.315	0.303	0.331	0.332	0.326	4.32
38) Naphthalene	1.218	1.246	1.117	1.088	1.037	1.062	1.271	1.189	1.153	7.72
39) 4-Chloroanil	0.473	0.513	0.484	0.456	0.442	0.463	0.492	0.493	0.477	4.77
40) 2,3-Dichloro	0.388	0.421	0.376	0.395	0.384	0.367	0.403	0.399	0.392	4.25
41) Caprolactam	0.107	0.124	0.111	0.118	0.114	0.108	0.111	0.120	0.114	5.27
42) Hexachlorobu	0.187	0.179	0.163	0.172	0.164	0.152	0.177	0.171	0.170	6.38
43) 4-Chloro-3-m	0.334	0.355	0.317	0.332	0.320	0.303	0.367	0.333	0.333	6.19
44) 2-Methylnaph	0.691	0.740	0.661	0.680	0.646	0.636	0.707	0.709	0.684	5.12
45) 1-Methylnaph	0.711	0.767	0.666	0.682	0.646	0.644	0.767	0.731	0.702	7.13

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3E2680-ICC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62578.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
46) Dimethylnaph 0.701 0.735 0.678 0.698 0.675 0.649 0.725 0.706 0.696   4.02

47) I   Acenaphthene-d10      ----------------ISTD---------------------
48) Hexachlorocy 0.047 0.092 0.166 0.231 0.236 0.193       0.133 0.157  45.11
            ----- Linear regression -----  Coefficient =  0.9937
              Response Ratio = -0.05705 + 0.24175 *A

49) 2,4,6-Trichl 0.343 0.372 0.348 0.370 0.361 0.340 0.392 0.373 0.362   4.91
50) 2,4,5-Trichl 0.356 0.377 0.384 0.396 0.375 0.368 0.387 0.387 0.379   3.32
51) 2-Fluorobiph 1.417 1.403 1.337 1.309 1.258 1.281 1.402 1.358 1.346   4.45
52) 2-Chloronaph 1.284 1.355 1.208 1.237 1.181 1.159 1.295 1.310 1.253   5.45
53) Biphenyl     1.751 1.807 1.650 1.658 1.593 1.569 1.772 1.756 1.695   5.22
54) 2-Nitroanili 0.353 0.353 0.337 0.350 0.335 0.306 0.376 0.364 0.347   6.13
55) Dimethylphth 1.368 1.431 1.355 1.335 1.276 1.279 1.394 1.419 1.357   4.30
56) Acenaphthyle 2.042 2.153 2.002 1.982 1.881 1.923 2.083 2.125 2.024   4.70
57) 2,6-Dinitrot 0.339 0.352 0.332 0.354 0.344 0.324 0.363 0.345 0.344   3.64
58) 3-Nitroanili 0.358 0.394 0.383 0.405 0.397 0.368 0.371 0.397 0.384   4.35
59) Acenaphthene 1.291 1.384 1.231 1.271 1.207 1.200 1.421 1.331 1.292   6.32
60) 2,4-Dinitrop       0.130 0.169 0.220 0.219 0.187       0.158 0.180  19.77
61) 4-Nitropheno 0.153 0.163 0.159 0.169 0.169 0.157 0.170 0.172 0.164   4.17
62) Dibenzofuran 1.802 1.851 1.706 1.708 1.643 1.603 1.829 1.819 1.745   5.32
63) 2,4-Dinitrot 0.438 0.452 0.444 0.476 0.455 0.437 0.482 0.471 0.457   3.82
64) 2,3,4,6-Tetr 0.269 0.298 0.278 0.299 0.293 0.271 0.278 0.288 0.284   4.22
65) Diethylphtha 1.395 1.452 1.330 1.324 1.268 1.267 1.493 1.380 1.364   6.01
66) Fluorene     1.392 1.474 1.389 1.430 1.365 1.328 1.483 1.459 1.415   3.93
67) 4-Chlorophen 0.604 0.653 0.600 0.620 0.599 0.571 0.626 0.613 0.611   3.93
68) 4-Nitroanili 0.355 0.386 0.369 0.403 0.392 0.374 0.365 0.391 0.379   4.26

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-       0.122 0.149 0.175 0.175 0.156       0.143 0.153  13.24
71) n-Nitrosodip 0.644 0.651 0.620 0.610 0.594 0.592 0.663 0.636 0.626   4.20
72) 1,2-Diphenyl 0.780 0.849 0.791 0.788 0.768 0.753 0.776 0.829 0.792   4.04
73) 2,4,6-Tribro 0.085 0.096 0.091 0.092 0.091 0.086 0.084 0.089 0.089   4.57
74) 4-Bromopheny 0.206 0.218 0.204 0.208 0.206 0.197 0.218 0.207 0.208   3.49
75) Hexachlorobe 0.222 0.233 0.208 0.215 0.208 0.197 0.227 0.215 0.216   5.39
76) Pentachlorop 0.103 0.114 0.119 0.136 0.137 0.123 0.104 0.118 0.119  10.73
77) Phenanthrene 1.310 1.333 1.240 1.207 1.180 1.175 1.339 1.297 1.260   5.40
78) Anthracene   1.285 1.352 1.287 1.229 1.186 1.218 1.374 1.311 1.280   5.14
79) Carbazole    1.231 1.320 1.212 1.185 1.153 1.150 1.317 1.255 1.228   5.41
80) Di-n-butylph 1.413 1.486 1.442 1.379 1.351 1.389 1.465 1.465 1.424   3.38
81) Fluoranthene 1.243 1.316 1.241 1.234 1.214 1.182 1.366 1.277 1.259   4.67
82) Octadecane   0.404 0.447 0.415 0.416 0.404 0.390 0.437 0.432 0.418   4.60

83) I   Chrysene-d12          ----------------ISTD---------------------
84) Pyrene       1.427 1.509 1.439 1.374 1.287 1.362 1.463 1.492 1.419   5.24
85) Terphenyl-d1 0.884 0.943 0.899 0.877 0.840 0.875 0.890 0.916 0.890   3.42
86) Butylbenzylp 0.660 0.716 0.685 0.686 0.657 0.679 0.720 0.694 0.687   3.33
87) Butyl steara 0.305 0.310 0.442 0.305 0.293 0.431 0.317 0.319 0.340  17.63
88) Benzo[a]anth 1.283 1.313 1.228 1.203 1.154 1.179 1.454 1.285 1.262   7.56
89) 3,3'-Dichlor 0.411 0.452 0.449 0.460 0.448 0.442 0.426 0.452 0.442   3.65
90) Chrysene     1.115 1.213 1.140 1.099 1.033 1.085 1.286 1.195 1.146   7.10
91) bis(2-Ethylh 0.932 0.998 0.985 0.962 0.923 0.968 1.038 1.010 0.977   3.96

92) I   Perylene-d12          ----------------ISTD---------------------
93) Di-n-octylph 1.864 2.014 1.874 2.003 1.963 1.862 2.066 1.979 1.953   3.98
94) Benzo[b]fluo 1.341 1.465 1.364 1.468 1.461 1.330 1.523 1.427 1.422   4.89
95) Benzo[k]fluo 1.388 1.425 1.289 1.375 1.333 1.243 1.387 1.389 1.354   4.50
96) Benzo[a]pyre 1.215 1.290 1.203 1.251 1.217 1.154 1.303 1.232 1.233   3.90
97) Indeno[1,2,3 1.398 1.548 1.390 1.493 1.477 1.348 1.520 1.479 1.457   4.79
98) Dibenz(a,h)a 1.070 1.138 1.042 1.129 1.119 1.011 1.109 1.108 1.091   4.16
```

8.7.5

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3E2680-ICC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62578.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 99) Dibenz[a,h]a 1.187 1.254 1.152 1.251 1.238 1.129 1.326 1.226 1.221   5.16
100) 7,12-Dimethy 0.294 0.412 0.681 0.729 0.732 0.674       0.525 0.578  29.73
             ----- Linear regression -----  Coefficient =  0.9991
               Response Ratio = -0.04497 + 0.74519 *A

101) Benzo[g,h,i] 1.138 1.230 1.101 1.173 1.154 1.066 1.286 1.166 1.164   5.96
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3E2680.M         Fri Jun 27 10:09:17 2014   MS3E
```

8.7.5

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62582.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62582.D Vial: 2
Acq On : 27 Jun 2014 9:29 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,acid Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	124	0.00	4.71
9	t	Phenol	1.841	1.526	17.1	112	0.00	4.47
12	t	2-Chlorophenol	1.555	1.394	10.4	118	0.00	4.56
19	t	2-Methylphenol	1.256	1.174	6.5	118	0.00	4.92
21	t	3&4-Methylphenol	1.333	1.212	9.1	116	0.00	5.04
24	I	Naphthalene-d8	1.000	1.000	0.0	120	0.00	5.80
29	t	2-Nitrophenol	0.229	0.214	6.6	120	0.00	5.45
30	t	2,4-Dimethylphenol	0.330	0.354	-7.3	123	0.00	5.49
31	t	Benzoic acid	0.277	0.247	10.8	104	0.01	5.64
33	t	2,4-Dichlorophenol	0.315	0.296	6.0	120	0.00	5.68
34	t	2,6-Dichlorophenol	0.316	0.290	8.2	118	0.00	5.89
43	t	4-Chloro-3-methylphenol	0.333	0.302	9.3	119	-0.01	6.41
47	I	Acenaphthene-d10	1.000	1.000	0.0	116	0.00	7.88
49	t	2,4,6-Trichlorophenol	0.362	0.351	3.0	120	0.00	6.91
50	t	2,4,5-Trichlorophenol	0.379	0.363	4.2	115	-0.01	6.96
60	t	2,4-Dinitrophenol	0.180	0.142	21.1	88	0.00	8.01
61	t	4-Nitrophenol	0.164	0.148	9.8	109	0.00	8.14
64		2,3,4,6-Tetrachlorophenol	0.284	0.261	8.1	112	0.00	8.37
69	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00	10.06
70	t	4,6-Dinitro-2-methylpheno	0.153	0.145	5.2	102	0.00	8.79
76	t	Pentachlorophenol	0.119	0.124	-4.2	110	0.00	9.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:04 2014 MS3E

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62584.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62584.D Vial: 4
Acq On : 27 Jun 2014 10:23 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,bn2 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	166	0.00	4.71
2	t	1,4-Dioxane	0.487	0.489	-0.4	178	0.02	2.29
6	t	Indene	2.585	2.560	1.0	179	0.00	4.91
7	t	Cumene	3.495	3.381	3.3	174	0.00	4.12
13	t	Decane	1.039	0.996	4.1	179	0.00	4.59
18	t	Acetophenone	2.027	1.920	5.3	170	0.00	5.03
24	I	Naphthalene-d8	1.000	1.000	0.0	164	0.00	5.81
27	t	Quinoline	0.795	0.747	6.0	167	0.00	6.17
40	t	2,3-Dichloroaniline	0.392	0.314	19.9	141	0.00	6.90
41	t	Caprolactam	0.114	0.103	9.6	156	-0.02	6.25
45	t	1-Methylnaphthalene	0.702	0.646	8.0	165	0.00	6.68
46	t	Dimethylnaphthalene	0.696	0.655	5.9	166	0.00	7.33
47	I	Acenaphthene-d10	1.000	1.000	0.0	156	0.00	7.88
53	t	Biphenyl	1.695	1.659	2.1	165	0.00	7.12
69	I	Phenanthrene-d10	1.000	1.000	0.0	146	0.00	10.06
82	t	Octadecane	0.418	0.445	-6.5	167	0.00	9.99
83	I	Chrysene-d12	1.000	1.000	0.0	131	0.00	14.25
92	I	Perylene-d12	1.000	1.000	0.0	122	0.00	16.38

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 15:34:08 2014 MS3E

8.7.7

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62585.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62585.D Vial: 5
Acq On : 27 Jun 2014 10:50 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,aniline Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	125	0.00	4.72
3	t	Pyridine	1.192	1.398	-17.3	158	0.12	2.72
10		Aniline	1.923	2.130	-10.8	136	0.00	4.48
16	t	Benzyl alcohol	0.956	0.956	0.0	134	0.00	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	132	0.00	5.81
39	t	4-Chloroaniline	0.477	0.451	5.5	128	0.00	5.88
44	t	2-Methylnaphthalene	0.684	0.643	6.0	133	0.00	6.56
47	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.00	7.88
54	t	2-Nitroaniline	0.347	0.305	12.1	129	0.00	7.29
58	t	3-Nitroaniline	0.384	0.344	10.4	121	0.00	7.85
62	t	Dibenzofuran	1.745	1.640	6.0	132	0.00	8.17
68	t	4-Nitroaniline	0.379	0.326	14.0	113	0.00	8.72
69	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.00	10.06
79	t	Carbazole	1.228	1.101	10.3	118	0.00	10.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:05 2014 MS3E

8.7.8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62586.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62586.D Vial: 6
Acq On : 27 Jun 2014 11:16 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,surr Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	145	0.00	4.71
5	S	2-Fluorophenol	1.298	1.084	16.5	128	0.00	3.75
8	S	Phenol-d5	1.619	1.264	21.9	120	0.00	4.46
24	I	Naphthalene-d8	1.000	1.000	0.0	137	0.00	5.80
25	S	Nitrobenzene-d5	0.362	0.307	15.2	126	0.00	5.15
47	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00	7.88
51	S	2-Fluorobiphenyl	1.346	1.120	16.8	115	0.00	7.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00	10.06
73	S	2,4,6-Tribromophenol	0.089	0.075	15.7	109	0.00	9.02
83	I	Chrysene-d12	1.000	1.000	0.0	116	0.00	14.25
85	S	Terphenyl-d14	0.890	0.787	11.6	104	0.00	12.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:06 2014 MS3E

8.7.9
8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62587.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62587.D Vial: 7
Acq On : 27 Jun 2014 11:43 am Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,ben Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	112	0.00	14.25
89 t	3,3'-Dichlorobenzidine	0.442	0.376	14.9	95	0.00	14.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:18:07 2014 MS3E

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62588.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2681\3E62588.D Vial: 8
Acq On : 27 Jun 2014 12:13 pm Operator: saumilp
Sample : icv2680-50 Inst : MS3E
Misc : op75684,e3e2681,ben Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
Last Update : Fri Jun 27 11:26:05 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	151	0.00	4.71
4	t	N-Nitrosodimethylamine	0.671	0.587	12.5	138	0.02	2.58
11	t	bis(2-Chloroethyl)ether	1.192	1.028	13.8	139	0.00	4.51
14	t	1,3-Dichlorobenzene	1.740	1.418	18.5	133	0.00	4.67
15	t	1,4-Dichlorobenzene	1.743	1.407	19.3	130	0.00	4.73
17	t	1,2-Dichlorobenzene	1.651	1.310	20.7	131	0.00	4.84
20	t	2,2'-oxybis(1-Chloropropa	0.528	0.425	19.5	134	0.00	4.92
22	t	n-Nitroso-di-n-propylamin	0.881	0.713	19.1	129	0.00	5.03
23	t	Hexachloroethane	0.532	0.438	17.7	134	0.00	5.11
24	I	Naphthalene-d8	1.000	1.000	0.0	141	0.00	5.81
26	t	Nitrobenzene	0.372	0.301	19.1	123	0.00	5.18
28	t	Isophorone	0.636	0.511	19.7	123	0.00	5.37
32	t	bis(2-Chloroethoxy)methan	0.358	0.323	9.8	136	0.00	5.56
36	t	1,2,4-Trichlorobenzene	0.329	0.274	16.7	126	0.00	5.75
38	t	Naphthalene	1.153	0.937	18.7	124	0.00	5.83
42	t	Hexachlorobutadiene	0.170	0.143	15.9	132	0.00	5.95
47	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00	7.88
		---------- True Calc. % Drift ----------						
48	t	Hexachlorocyclopentadiene	50.000	38.171	23.7	96	0.00	6.75
		---------- AvgRF CCRF % Dev ----------						
52	t	2-Chloronaphthalene	1.253	1.042	16.8	120	0.00	7.15
55	t	Dimethylphthalate	1.357	1.134	16.4	118	0.00	7.53
56	t	Acenaphthylene	2.024	1.432	29.2	99	0.00	7.68
57	t	2,6-Dinitrotoluene	0.344	0.267	22.4	110	0.00	7.62
59	t	Acenaphthene	1.292	1.104	14.6	122	0.00	7.93
63	t	2,4-Dinitrotoluene	0.457	0.344	24.7	105	0.00	8.19
65	t	Diethylphthalate	1.364	1.119	18.0	117	0.00	8.53
66	t	Fluorene	1.415	1.180	16.6	118	0.00	8.66
67	t	4-Chlorophenyl-phenylethe	0.611	0.527	13.7	123	0.00	8.67
69	I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00	10.06
71	t	n-Nitrosodiphenylamine	0.626	0.538	14.1	113	0.00	8.85
72	t	1,2-Diphenylhydrazine	0.792	0.706	10.9	117	0.00	8.90
74	t	4-Bromophenyl-phenylether	0.208	0.185	11.1	118	0.00	9.40

8.7.11
8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3E2681-ICV2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62588.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

75	t	Hexachlorobenzene	0.216	0.180	16.7	114	0.00	9.49
77	t	Phenanthrene	1.260	1.046	17.0	111	0.00	10.10
78	t	Anthracene	1.280	1.068	16.6	110	0.00	10.18
80	t	Di-n-butylphthalate	1.424	1.229	13.7	111	0.00	11.06
81	t	Fluoranthene	1.259	1.040	17.4	110	0.00	11.96
83	I	Chrysene-d12	1.000	1.000	0.0	120	0.00	14.26
84	t	Pyrene	1.419	1.209	14.8	107	0.00	12.32
86	t	Butylbenzylphthalate	0.687	0.597	13.1	106	0.00	13.44
88	t	Benzo[a]anthracene	1.262	1.018	19.3	104	0.00	14.24
90	t	Chrysene	1.146	0.984	14.1	109	0.00	14.30
91	t	bis(2-Ethylhexyl)phthalat	0.977	0.844	13.6	105	0.00	14.39
92	I	Perylene-d12	1.000	1.000	0.0	114	0.00	16.38
93	t	Di-n-octylphthalate	1.953	1.689	13.5	103	0.00	15.38
94	t	Benzo[b]fluoranthene	1.422	1.131	20.5	97	0.00	15.86
95	t	Benzo[k]fluoranthene	1.354	1.113	17.8	102	0.00	15.90
96	t	Benzo[a]pyrene	1.233	1.037	15.9	102	0.00	16.31
97	t	Indeno[1,2,3-cd]pyrene	1.457	1.168	19.8	99	0.00	17.96
99	t	Dibenz[a,h]anthracene	1.221	0.999	18.2	101	0.00	17.99
101	t	Benzo[g,h,i]perylene	1.164	0.972	16.5	104	0.00	18.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E61405.D M3E2680.M Fri Jun 27 12:46:03 2014 MS3E

8.7.11
8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3E2692-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62849.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2692\3E62849.D Vial: 2
Acq On : 5 Jul 2014 8:38 am Operator: harpreek
Sample : cc2680-25 Inst : MS3E
Misc : op75684,e3e2692 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
Last Update : Sat Jul 05 14:30:15 2014
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	72	0.00	4.67
2	t	1,4-Dioxane	0.487	0.557	-14.4	84	0.00	2.20
3	t	Pyridine	1.192	1.329	-11.5	80	0.00	2.55
4	t	N-Nitrosodimethylamine	0.671	0.741	-10.4	81	0.00	2.52
5	S	2-Fluorophenol	1.298	1.150	11.4	67	0.00	3.71
6	t	Indene	2.585	2.731	-5.6	80	0.00	4.87
7	t	Cumene	3.495	3.799	-8.7	81	0.00	4.06
8	S	Phenol-d5	1.619	1.454	10.2	66	0.00	4.43
9	t	Phenol	1.841	1.726	6.2	73	0.00	4.43
10		Aniline	1.923	1.486	22.7#	53	0.00	4.43
11	t	bis(2-Chloroethyl)ether	1.192	1.134	4.9	70	0.00	4.46
12	t	2-Chlorophenol	1.555	1.372	11.8	66	0.00	4.52
13	t	Decane	1.039	1.171	-12.7	88	0.00	4.53
14	t	1,3-Dichlorobenzene	1.740	1.561	10.3	68	0.00	4.63
15	t	1,4-Dichlorobenzene	1.743	1.607	7.8	70	0.00	4.68
16	t	Benzyl alcohol	0.956	0.850	11.1	69	0.00	4.79
17	t	1,2-Dichlorobenzene	1.651	1.504	8.9	69	0.00	4.80
18	t	Acetophenone	2.027	2.174	-7.3	82	0.00	4.99
19	t	2-Methylphenol	1.256	1.163	7.4	66	0.00	4.88
20	t	2,2'-oxybis(1-Chloropropa	0.528	0.467	11.6	67	0.00	4.87
21	t	3&4-Methylphenol	1.333	1.224	8.2	65	0.00	5.01
22	t	n-Nitroso-di-n-propylamin	0.881	0.937	-6.4	80	0.00	4.98
23	t	Hexachloroethane	0.532	0.540	-1.5	76	0.00	5.06
24	I	Naphthalene-d8	1.000	1.000	0.0	73	0.00	5.75
25	S	Nitrobenzene-d5	0.362	0.359	0.8	73	0.00	5.11
26	t	Nitrobenzene	0.372	0.391	-5.1	80	0.00	5.13
27	t	Quinoline	0.795	0.782	1.6	74	0.00	6.12
28	t	Isophorone	0.636	0.602	5.3	71	0.00	5.33
29	t	2-Nitrophenol	0.229	0.208	9.2	69	0.00	5.41
30	t	2,4-Dimethylphenol	0.330	0.314	4.8	64	0.00	5.45
31	t	Benzoic acid	0.277	0.277	0.0	72	0.00	5.58
32	t	bis(2-Chloroethoxy)methan	0.358	0.326	8.9	67	0.00	5.51
33	t	2,4-Dichlorophenol	0.315	0.294	6.7	70	0.00	5.64
34	t	2,6-Dichlorophenol	0.316	0.294	7.0	69	0.00	5.84
35		1,3,5-Trichlorobenzene	0.359	0.394	-9.7	84	0.00	5.41
36	t	1,2,4-Trichlorobenzene	0.329	0.323	1.8	75	0.00	5.70
37		1,2,3-Trichlorobenzene	0.326	0.373	-14.4	85	0.00	5.92
38	t	Naphthalene	1.153	1.069	7.3	69	0.00	5.77
39	t	4-Chloroaniline	0.477	0.401	15.9	60	0.00	5.83
40	t	2,3-Dichloroaniline	0.392	0.410	-4.6	79	0.00	6.84
41	t	Caprolactam	0.114	0.128	-12.3	83	0.00	6.20

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3E2692-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62849.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.170	0.189	-11.2	84	0.00	5.89
43	t	4-Chloro-3-methylphenol	0.333	0.325	2.4	75	0.00	6.37
44	t	2-Methylnaphthalene	0.684	0.642	6.1	70	0.00	6.50
45	t	1-Methylnaphthalene	0.702	0.724	-3.1	79	0.00	6.61
46	t	Dimethylnaphthalene	0.696	0.765	-9.9	82	0.00	7.26
47	I	Acenaphthene-d10	1.000	1.000	0.0	80	0.00	7.81
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	50.000	33.241	33.5#	55	0.00	6.68
		----------	AvgRF	CCRF	% Dev	----------		
49	t	2,4,6-Trichlorophenol	0.362	0.335	7.5	77	0.00	6.86
50	t	2,4,5-Trichlorophenol	0.379	0.345	9.0	72	0.00	6.92
51	S	2-Fluorobiphenyl	1.346	1.187	11.8	71	0.00	6.94
52	t	2-Chloronaphthalene	1.253	1.075	14.2	71	0.00	7.09
53	t	Biphenyl	1.695	1.685	0.6	81	0.00	7.06
54	t	2-Nitroaniline	0.347	0.360	-3.7	85	0.00	7.24
55	t	Dimethylphthalate	1.357	1.243	8.4	73	0.00	7.47
56	t	Acenaphthylene	2.024	1.769	12.6	70	0.00	7.62
57	t	2,6-Dinitrotoluene	0.344	0.290	15.7	70	0.00	7.56
58	t	3-Nitroaniline	0.384	0.327	14.8	68	0.00	7.79
59	t	Acenaphthene	1.292	1.133	12.3	73	0.00	7.86
60	t	2,4-Dinitrophenol	0.180	0.154	14.4	73	0.00	7.96
61	t	4-Nitrophenol	0.164	0.167	-1.8	84	0.00	8.12
62	t	Dibenzofuran	1.745	1.541	11.7	72	0.00	8.10
63	t	2,4-Dinitrotoluene	0.457	0.415	9.2	74	0.00	8.13
64		2,3,4,6-Tetrachlorophenol	0.284	0.258	9.2	74	0.00	8.31
65	t	Diethylphthalate	1.364	1.300	4.7	78	0.00	8.46
66	t	Fluorene	1.415	1.260	11.0	72	0.00	8.58
67	t	4-Chlorophenyl-phenylethe	0.611	0.599	2.0	80	0.00	8.59
68	t	4-Nitroaniline	0.379	0.315	16.9	68	0.00	8.66
69	I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00	9.99
70	t	4,6-Dinitro-2-methylpheno	0.153	0.124	19.0	74	0.00	8.73
71	t	n-Nitrosodiphenylamine	0.626	0.499	20.3#	72	0.00	8.78
72	t	1,2-Diphenylhydrazine	0.792	0.713	10.0	80	0.00	8.83
73	S	2,4,6-Tribromophenol	0.089	0.087	2.2	86	0.00	8.95
74	t	4-Bromophenyl-phenylether	0.208	0.185	11.1	81	0.00	9.32
75	t	Hexachlorobenzene	0.216	0.208	3.7	89	0.00	9.42
76	t	Pentachlorophenol	0.119	0.096	19.3	72	0.00	9.74
77	t	Phenanthrene	1.260	1.041	17.4	75	0.00	10.02
78	t	Anthracene	1.280	1.061	17.1	73	0.00	10.10
79	t	Carbazole	1.228	1.151	6.3	85	0.00	10.39
80	t	Di-n-butylphthalate	1.424	1.237	13.1	76	0.00	10.98
81	t	Fluoranthene	1.259	1.105	12.2	79	0.00	11.89
82	t	Octadecane	0.418	0.411	1.7	88	0.00	9.91
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.00	14.18
84	t	Pyrene	1.419	1.142	19.5	77	0.00	12.24
85	S	Terphenyl-d14	0.890	0.763	14.3	83	0.00	12.54
86	t	Butylbenzylphthalate	0.687	0.559	18.6	79	0.00	13.36
87		Butyl stearate	0.340	0.229	32.6#	51	0.00	13.52
88	t	Benzo[a]anthracene	1.262	1.045	17.2	83	0.00	14.17
89	t	3,3'-Dichlorobenzidine	0.442	0.403	8.8	87	0.00	14.17
90	t	Chrysene	1.146	0.969	15.4	83	0.00	14.22
91	t	bis(2-Ethylhexyl)phthalat	0.977	0.785	19.7	78	0.00	14.31
92	I	Perylene-d12	1.000	1.000	0.0	97	0.00	16.31
93	t	Di-n-octylphthalate	1.953	1.507	22.8#	78	0.00	15.30

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3E2692-CC2680
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62849.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[b]fluoranthene	1.422	1.242	12.7	89	0.00	15.79
95	t	Benzo[k]fluoranthene	1.354	1.250	7.7	94	0.00	15.83
96	t	Benzo[a]pyrene	1.233	1.090	11.6	88	0.00	16.23
97	t	Indeno[1,2,3-cd]pyrene	1.457	1.382	5.1	97	0.00	17.86
98	t	Dibenz(a,h)acridine	1.091	1.163	-6.6	109	0.00	17.50
99	t	Dibenz[a,h]anthracene	1.221	1.170	4.2	99	0.00	17.88
			True	Calc.	% Drift			
100	t	7,12-Dimethylbenz(a)anthr	25.000	20.424	18.3	77	0.00	15.77
			AvgRF	CCRF	% Dev			
101	t	Benzo[g,h,i]perylene	1.164	1.105	5.1	98	0.00	18.31

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E62850.D M3E2680.M Sat Jul 05 14:47:49 2014 MS3E

8.7.12

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3E2692-CC2647
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3E62850.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3e2692\3E62850.D Vial: 3
Acq On : 5 Jul 2014 9:26 am Operator: harpreek
Sample : cc2647-25 Inst : MS3E
Misc : op75684,e3e2692 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3E2680.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
Last Update : Sat Jul 05 14:30:15 2014
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	87	0.00	4.66
103	Benzaldehyde	1.069	0.896	16.2	67	0.00	4.35
104	Acenaphthene-d10a	1.000	1.000	0.0	93	0.00	7.81
105	1,2,4,5-Tetrachlorobenzen	0.486	0.529	-8.8	100	0.00	6.70
106	Phenanthrene-d10a	1.000	1.000	0.0	101	0.00	9.99
107	Atrazine	0.104	0.123	-18.3	109	0.00	9.63
108 s	o-Terphenyl	0.525	0.581	-10.7	106	0.00	10.62
109 s	1-Chlorooctadecane	0.327	0.264	19.3	73	0.00	11.81
110 I	Chrysene-d12a	1.000	1.000	0.0	117	0.00	14.18
111 T	benzidine	0.736	0.565	23.2#	75	0.00	12.15
112 I	Naphthalene-d8a	1.000	1.000	0.0	84	0.00	5.75
113 T	Hydroquinone	0.303	0.321	-5.9	82	0.00	6.21

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3E62850.D M3E2680.M Sat Jul 05 14:47:50 2014 MS3E

8.7.13

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3P1389-ICC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32437.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report GC3P

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration

Calibration Files
2 =3p32440.D 5 =3p32441.D 25 =3p32438.D 80 =3p32436.D
100 =3p32434.D 50 =3p32437.D 1 =3p32435.D 10 =3p32439.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.588	0.591	0.529	0.711	0.648	0.521	0.617	0.589	0.599	10.29
3) Pyridine	1.507	1.468	1.332	1.742	1.606	1.356	1.519	1.391	1.490	9.19
4) N-Nitrosodim	0.514	0.521	0.498	0.615	0.575	0.512	0.580	0.508	0.540	8.03
5) 2-Fluorophen	1.263	1.325	1.301	1.457	1.357	1.314	1.286	1.286	1.323	4.61
6) Indene	2.598	2.633	2.098	2.185	2.079	1.985	2.542	2.446	2.321	11.26
7) Cumene	3.661	3.838	3.215	3.739	3.376	3.161	3.632	3.658	3.535	7.10
8) Phenol-d5	1.499	1.574	1.530	1.620	1.517	1.528	1.540	1.522	1.541	2.50
9) Phenol	1.756	1.795	1.693	1.705	1.599	1.654	1.858	1.697	1.720	4.74
10) Aniline	1.951	1.866	1.763	1.476	1.345	1.631	2.035	1.686	1.719	13.63
11) bis(2-Chloro	1.138	1.173	1.047	1.097	1.024	1.043	1.112	1.084	1.090	4.67
12) 2-Chlorophen	1.482	1.537	1.378	1.413	1.303	1.374	1.623	1.458	1.446	7.03
13) Decane	1.110	1.118	0.902	0.923	0.870	0.855	1.131	1.079	0.999	12.15
14) 1,3-Dichloro	1.768	1.797	1.663	1.561	1.482	1.560	1.749	1.672	1.657	6.84
15) 1,4-Dichloro	1.781	1.767	1.619	1.528	1.475	1.559	1.787	1.655	1.647	7.40
16) Benzyl alcoh	0.802	0.825	0.809	0.762	0.752	0.772	0.821	0.815	0.795	3.59
17) 1,2-Dichloro	1.669	1.636	1.507	1.390	1.320	1.441	1.717	1.535	1.527	9.17
18) Acetophenone	2.030	2.026	1.607	1.693	1.614	1.543	2.017	1.907	1.805	11.69
19) 2-Methylphen	1.025	1.143	1.031	0.995	0.945	0.993	1.175	1.094	1.050	7.58
20) 2,2'-oxybis(	1.190	1.193	1.051	0.957	0.903	0.990	1.234	1.113	1.079	11.35
21) 3&4-Methylph	1.105	1.164	1.071	1.038	0.985	1.048	1.193	1.144	1.093	6.46
22) n-Nitroso-di	0.783	0.752	0.679	0.621	0.612	0.657	0.775	0.729	0.701	9.67
23) Hexachloroet	0.540	0.543	0.521	0.503	0.489	0.504	0.565	0.530	0.524	4.75
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.321	0.348	0.331	0.322	0.312	0.317	0.354	0.342	0.331	4.60
26) Nitrobenzene	0.354	0.364	0.348	0.332	0.315	0.326	0.388	0.353	0.347	6.72
27) Quinoline	0.824	0.836	0.695	0.798	0.772	0.674	0.792	0.812	0.775	7.69
28) Isophorone	0.620	0.619	0.580	0.555	0.527	0.567	0.628	0.601	0.587	6.13
29) 2-Nitropheno	0.177	0.195	0.200	0.208	0.203	0.196	0.204	0.196	0.197	4.79
30) 2,4-Dimethyl	0.178	0.270	0.307	0.329	0.316	0.301	0.240	0.287	0.278	17.67
31) Benzoic acid		0.168	0.204	0.276	0.265	0.223		0.190	0.221	19.22
32) bis(2-Chloro	0.379	0.372	0.344	0.343	0.325	0.322	0.385	0.362	0.354	6.81
33) 2,4-Dichloro	0.333	0.320	0.311	0.318	0.301	0.308	0.321	0.326	0.317	3.14
34) 2,6-Dichloro	0.300	0.319	0.299	0.297	0.287	0.291	0.305	0.313	0.301	3.54
35) 1,3,5-Trichl	0.447	0.464	0.375	0.405	0.389	0.359	0.451	0.436	0.416	9.40
36) 1,2,4-Trichl	0.385	0.380	0.347	0.340	0.325	0.336	0.385	0.354	0.356	6.65
37) 1,2,3-Trichl	0.401	0.418	0.337	0.366	0.348	0.322	0.416	0.389	0.375	9.87
38) Naphthalene	1.116	1.102	1.019	0.971	0.906	0.973	1.153	1.062	1.038	8.19
39) 4-Chloroanil	0.466	0.465	0.441	0.398	0.374	0.419	0.468	0.445	0.434	8.00
40) 2,3-Dichloro	0.459	0.464	0.382	0.415	0.397	0.366	0.485	0.442	0.426	9.97
41) Caprolactam	0.115	0.124	0.106	0.123	0.117	0.103	0.122	0.117	0.116	6.58
42) Hexachlorobu	0.195	0.199	0.185	0.180	0.171	0.177	0.207	0.186	0.188	6.42
43) 4-Chloro-3-m	0.294	0.298	0.285	0.297	0.288	0.282	0.326	0.296	0.296	4.55
44) 2-Methylnaph	0.657	0.663	0.606	0.598	0.576	0.602	0.657	0.632	0.624	5.24
45) 1-Methylnaph	0.746	0.753	0.619	0.655	0.631	0.592	0.779	0.715	0.686	10.31

8.7.14

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3P1389-ICC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32437.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.752	0.757	0.622	0.667	0.636	0.583	0.758	0.731	0.688	10.15
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.249	0.304	0.313	0.354	0.362	0.319	0.259	0.318	0.310	12.89
49)	2,4,6-Trichl	0.349	0.378	0.368	0.364	0.358	0.354	0.402	0.372	0.368	4.51
50)	2,4,5-Trichl	0.417	0.433	0.387	0.403	0.392	0.381	0.447	0.424	0.411	5.76
51)	2-Fluorobiph	1.346	1.367	1.253	1.150	1.129	1.175	1.438	1.324	1.273	8.90
52)	2-Chloronaph	1.274	1.290	1.161	1.080	1.043	1.103	1.329	1.213	1.187	8.96
53)	Biphenyl	1.880	1.899	1.519	1.588	1.544	1.413	1.873	1.765	1.685	11.36
54)	2-Nitroanili	0.255	0.287	0.283	0.286	0.286	0.283	0.292	0.291	0.283	4.21
55)	Dimethylphth	1.339	1.331	1.210	1.209	1.183	1.171	1.508	1.288	1.280	8.83
56)	Acenaphthyle	1.986	2.045	1.860	1.807	1.755	1.806	2.060	1.960	1.910	6.17
57)	2,6-Dinitrot	0.226	0.252	0.270	0.287	0.280	0.270	0.246	0.265	0.262	7.56
58)	3-Nitroanili	0.319	0.340	0.349	0.353	0.342	0.342	0.333	0.354	0.342	3.37
59)	Acenaphthene	1.210	1.205	1.128	1.099	1.071	1.072	1.299	1.186	1.159	6.92
60)	2,4-Dinitrop		0.050	0.097	0.166	0.173	0.125		0.077	0.115	43.01
	----- Quadratic regression -----								Coefficient =		0.9980
	Response Ratio = -0.01718 + 0.09609 *A + 0.01671 *A^2										
61)	4-Nitropheno	0.116	0.134	0.149	0.171	0.169	0.153	0.142	0.150	0.148	12.12
62)	Dibenzofuran	1.738	1.701	1.584	1.523	1.477	1.530	1.884	1.653	1.636	8.27
63)	2,4-Dinitrot	0.283	0.348	0.374	0.397	0.386	0.377	0.292	0.373	0.354	12.21
64)	2,3,4,6-Tetr	0.251	0.295	0.291	0.327	0.320	0.297	0.280	0.295	0.294	7.96
65)	Diethylphtha	1.305	1.360	1.249	1.264	1.223	1.218	1.413	1.324	1.294	5.31
66)	Fluorene	1.376	1.376	1.286	1.238	1.203	1.241	1.505	1.355	1.322	7.54
67)	4-Chlorophen	0.613	0.630	0.568	0.562	0.551	0.546	0.619	0.606	0.587	5.68
68)	4-Nitroanili	0.322	0.354	0.366	0.354	0.340	0.349	0.328	0.366	0.347	4.73
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.061	0.093	0.131	0.134	0.110		0.081	0.102	28.31
	----- Quadratic regression -----								Coefficient =		0.9987
	Response Ratio = -0.00641 + 0.09785 *A + 0.01622 *A^2										
71)	n-Nitrosodip	0.549	0.566	0.512	0.501	0.504	0.492	0.583	0.539	0.531	6.31
72)	1,2-Diphenyl	0.714	0.764	0.696	0.656	0.641	0.665	0.756	0.720	0.701	6.45
73)	2,4,6-Tribro	0.087	0.096	0.102	0.112	0.111	0.101	0.103	0.101	0.102	7.74
74)	4-Bromopheny	0.204	0.211	0.202	0.210	0.209	0.195	0.229	0.207	0.208	4.70
75)	Hexachlorobe	0.241	0.246	0.231	0.236	0.231	0.223	0.251	0.234	0.237	3.78
76)	Pentachlorop		0.114	0.133	0.172	0.173	0.142		0.133	0.145	16.28
77)	Phenanthrene	1.200	1.192	1.104	1.073	1.057	1.058	1.263	1.148	1.137	6.72
78)	Anthracene	1.134	1.170	1.120	1.062	1.049	1.040	1.159	1.125	1.108	4.55
79)	Carbazole	1.266	1.337	1.108	1.241	1.213	1.057	1.325	1.304	1.232	8.26
80)	Di-n-butylph	1.285	1.374	1.344	1.376	1.377	1.331	1.457	1.383	1.366	3.63
81)	Fluoranthene	1.204	1.287	1.223	1.276	1.243	1.206	1.299	1.250	1.248	2.91
82)	Octadecane	0.435	0.486	0.400	0.426	0.432	0.386	0.480	0.468	0.439	8.29
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.351	1.390	1.307	1.290	1.257	1.251	1.402	1.360	1.326	4.41
85)	Terphenyl-d1	0.778	0.818	0.788	0.781	0.761	0.760	0.818	0.791	0.787	2.82
86)	Butylbenzylp	0.553	0.619	0.620	0.642	0.641	0.601	0.655	0.631	0.620	5.14
87)	Benzo[a]anth	1.139	1.145	1.082	1.096	1.072	1.041	1.265	1.107	1.119	6.12
88)	3,3'-Dichlor	0.376	0.391	0.415	0.412	0.404	0.398	0.408	0.410	0.402	3.25
89)	Chrysene	1.006	1.044	0.992	0.946	0.917	0.926	1.065	1.009	0.988	5.47
90)	bis(2-Ethylh	0.701	0.781	0.812	0.835	0.813	0.789	0.795	0.822	0.793	5.21
91)	I Perylene-d12	ISTD									
92)	Di-n-octylph	1.245	1.492	1.606	1.793	1.784	1.606	1.463	1.620	1.576	11.35
93)	Benzo[b]fluo	1.102	1.180	1.260	1.333	1.379	1.182	1.189	1.264	1.236	7.33
94)	Benzo[k]fluo	1.177	1.266	1.195	1.182	1.078	1.171	1.187	1.254	1.189	4.82
95)	Benzo[a]pyre	1.007	1.069	1.078	1.141	1.116	1.047	1.114	1.098	1.084	3.97

8.7.14

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3P1389-ICC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32437.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 96) Indeno[1,2,3 0.906 1.018 1.069 1.179 1.161 1.056 1.028 1.075 1.061   8.06
 97) Dibenz(a,h)a 0.966 1.062 0.992 1.270 1.230 0.978 1.069 1.131 1.087  10.57
 98) Dibenz[a,h]a 0.958 1.052 1.065 1.129 1.140 1.025 1.053 1.070 1.061   5.40
 99) 7,12-Dimethy 0.142 0.227 0.531 0.684 0.664 0.554 0.127 0.354 0.410  55.56
100) Benzo[g,h,i] 1.044 1.077 1.062 1.141 1.110 1.051 1.106 1.095 1.086   3.05
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3P1389.M         Tue Jun 10 14:37:51 2014   RPT1
```

8.7.14

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3P1390-ICC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32445.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report GC3P

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration

Calibration Files
2 =3p32449.D 5 =3p32448.D 25 =3p32446.D 80 =3p32444.D
100 =3p32443.D 50 =3p32445.D 1 =3p32450.D 10 =3p32447.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
101) I 1,4-Dichlorobenzene-d	ISTD									
102) Benzaldehyde	0.866	0.943	0.863	0.835	0.726	0.693	0.890	0.956	0.846	11.11
103) I Acenaphthene-d10a	ISTD									
104) 2-bromonapht	0.607	0.609	0.596	0.593	0.585	0.561	0.589	0.601	0.593	2.55
105) Atrazine	0.135	0.150	0.162	0.173	0.174	0.159	0.112	0.162	0.153	13.53
106) 1,2,4,5-Tetr	0.555	0.594	0.577	0.606	0.598	0.549	0.538	0.593	0.576	4.46
107) Chrysene-d12a	ISTD									
108) Benzidine	0.516	0.654	0.514	0.424	0.390	0.429	0.440	0.717	0.511	23.03
109) I Naphthalene-d8a	ISTD									
110) Hydroquinone	0.185	0.246	0.286	0.327	0.329	0.299		0.294	0.281	18.02
111) I Phenanthrene-d10a	ISTD									
112) o-Terphenyl	0.483	0.517	0.516	0.536	0.515	0.499	0.467	0.513	0.506	4.33
113) 1-Chloroocta	0.194	0.234	0.262	0.261	0.259	0.248	0.181	0.250	0.236	13.40

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

M3P1389.M Tue Jun 10 14:44:48 2014 RPT1

8.7.15

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32451.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32451.D Vial: 18
Acq On : 6 Jun 2014 10:02 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	109	0.00	4.57
9	t	Phenol	1.720	1.551	9.8	102	0.00	4.31
12	t	2-Chlorophenol	1.446	1.420	1.8	113	0.00	4.41
19	t	2-Methylphenol	1.050	1.110	-5.7	122	0.00	4.76
21	t	3&4-Methylphenol	1.093	1.129	-3.3	117	0.00	4.86
24	I	Naphthalene-d8	1.000	1.000	0.0	108	0.00	5.49
29	t	2-Nitrophenol	0.197	0.189	4.1	104	0.00	5.22
30	t	2,4-Dimethylphenol	0.278	0.360	-29.5	129	0.00	5.25
31	t	Benzoic acid	0.221	0.182	17.6	88	0.00	5.33
33	t	2,4-Dichlorophenol	0.317	0.325	-2.5	114	0.00	5.39
34	t	2,6-Dichlorophenol	0.301	0.314	-4.3	116	0.00	5.55
43	t	4-Chloro-3-methylphenol	0.296	0.300	-1.4	115	0.00	5.88
47	I	Acenaphthene-d10	1.000	1.000	0.0	107	0.00	6.86
49	t	2,4,6-Trichlorophenol	0.368	0.381	-3.5	115	0.00	6.21
50	t	2,4,5-Trichlorophenol	0.411	0.408	0.7	114	-0.01	6.24
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.148	0.164	-10.8	114	0.00	6.98
64		2,3,4,6-Tetrachlorophenol	0.294	0.293	0.3	105	0.00	7.19
69	I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00	8.67
		----------	True	Calc.	% Drift		----------	
70	t	4,6-Dinitro-2-methylpheno	50.000	40.979	18.0	83	0.00	7.48
76	t	Pentachlorophenol	0.145	0.142	2.1	104	0.00	8.40
83	I	Chrysene-d12	1.000	1.000	0.0	94	-0.01	13.86
91	I	Perylene-d12	1.000	1.000	0.0	94	-0.01	16.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:27 2014 RPT1

8.7.16

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32452A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32452A.D Vial: 19
Acq On : 6 Jun 2014 10:27 pm Operator: samtap
Sample : icv1390-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103 I	Acenaphthene-d10a	1.000	1.000	0.0	72	0.00	6.86
106	1,2,4,5-Tetrachlorobenzen	0.576	0.594	-3.1	78	0.00	6.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:31 2014 RPT1

8.7.17

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32452.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32452.D Vial: 19
Acq On : 6 Jun 2014 10:27 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	114	0.00	4.57
3	t	Pyridine	1.490	1.064	28.6	90	0.00	2.41
4	t	N-Nitrosodimethylamine	0.540	0.400	25.9	90	0.01	2.38
11	t	bis(2-Chloroethyl)ether	1.090	1.003	8.0	110	0.00	4.37
14	t	1,3-Dichlorobenzene	1.657	1.450	12.5	106	0.00	4.53
15	t	1,4-Dichlorobenzene	1.647	1.432	13.1	105	0.00	4.58
16	t	Benzyl alcohol	0.795	0.719	9.6	107	0.00	4.67
17	t	1,2-Dichlorobenzene	1.527	1.321	13.5	105	0.00	4.69
20	t	2,2'-oxybis(1-Chloropropa	1.079	0.956	11.4	110	0.00	4.77
22	t	n-Nitroso-di-n-propylamin	0.701	0.654	6.7	114	0.00	4.86
23	t	Hexachloroethane	0.524	0.480	8.4	109	0.00	4.94
24	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00	5.49
26	t	Nitrobenzene	0.347	0.296	14.7	104	0.00	4.99
28	t	Isophorone	0.587	0.508	13.5	102	0.00	5.15
32	t	bis(2-Chloroethoxy)methan	0.354	0.345	2.5	122	0.00	5.31
36	t	1,2,4-Trichlorobenzene	0.356	0.319	10.4	108	0.00	5.45
38	t	Naphthalene	1.038	0.926	10.8	109	0.00	5.51
42	t	Hexachlorobutadiene	0.188	0.170	9.6	109	0.00	5.60
44	t	2-Methylnaphthalene	0.624	0.560	10.3	106	0.00	6.00
47	I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00	6.86
48	t	Hexachlorocyclopentadiene	0.310	0.252	18.7	88	0.00	6.13
52	t	2-Chloronaphthalene	1.187	1.061	10.6	107	0.00	6.37
54	t	2-Nitroaniline	0.283	0.259	8.5	101	0.00	6.45
55	t	Dimethylphthalate	1.280	1.179	7.9	112	0.00	6.61
56	t	Acenaphthylene	1.910	1.478	22.6	91	0.00	6.73
57	t	2,6-Dinitrotoluene	0.262	0.237	9.5	98	0.00	6.66
58	t	3-Nitroaniline	0.342	0.276	19.3	90	0.00	6.82
59	t	Acenaphthene	1.159	1.080	6.8	112	0.00	6.90
62	t	Dibenzofuran	1.636	1.478	9.7	107	0.00	7.06
63	t	2,4-Dinitrotoluene	0.354	0.306	13.6	90	0.00	7.05
65	t	Diethylphthalate	1.294	1.178	9.0	107	0.00	7.31
66	t	Fluorene	1.322	1.205	8.9	108	0.00	7.43
67	t	4-Chlorophenyl-phenylethe	0.587	0.548	6.6	111	0.00	7.43
68	t	4-Nitroaniline	0.347	0.308	11.2	98	0.00	7.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00	8.67
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.531	0.498	6.2	110	0.00	7.57

8.7.18

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32452.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

72	t	1,2-Diphenylhydrazine	0.701	0.645	8.0	106	0.00	7.62
74	t	4-Bromophenyl-phenylether	0.208	0.192	7.7	108	0.00	8.04
75	t	Hexachlorobenzene	0.237	0.205	13.5	100	0.00	8.13
77	t	Phenanthrene	1.137	1.025	9.9	106	0.00	8.71
78	t	Anthracene	1.108	1.036	6.5	109	0.00	8.78
79	t	Carbazole	1.232	1.003	18.6	104	0.00	9.06
80	t	Di-n-butylphthalate	1.366	1.279	6.4	105	0.00	9.76
81	t	Fluoranthene	1.248	1.127	9.7	102	0.00	10.81
83	I	Chrysene-d12	1.000	1.000	0.0	104	0.00	13.87
84	t	Pyrene	1.326	1.204	9.2	100	0.00	11.24
86	t	Butylbenzylphthalate	0.620	0.597	3.7	104	0.00	12.85
87	t	Benzo[a]anthracene	1.119	0.995	11.1	100	0.00	13.85
89	t	Chrysene	0.988	0.936	5.3	105	0.00	13.92
90	t	bis(2-Ethylhexyl)phthalat	0.793	0.767	3.3	101	0.00	14.27
91	I	Perylene-d12	1.000	1.000	0.0	102	0.00	16.90
92	t	Di-n-octylphthalate	1.576	1.555	1.3	99	0.00	15.71
93	t	Benzo[b]fluoranthene	1.236	1.105	10.6	95	0.00	16.15
94	t	Benzo[k]fluoranthene	1.189	1.120	5.8	97	-0.01	16.21
95	t	Benzo[a]pyrene	1.084	1.027	5.3	100	0.00	16.78
96	t	Indeno[1,2,3-cd]pyrene	1.061	0.953	10.2	92	0.00	18.84
98	t	Dibenz[a,h]anthracene	1.061	0.980	7.6	97	0.00	18.90
100	t	Benzo[g,h,i]perylene	1.086	1.035	4.7	100	0.00	19.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:27:34 2014 RPT1

8.7.18

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32453.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32453.D Vial: 20
Acq On : 6 Jun 2014 10:53 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	106	0.00	4.57
2	t	1,4-Dioxane	0.599	0.605	-1.0	123	0.01	2.09
6	t	Indene	2.321	2.508	-8.1	134	0.00	4.76
7	t	Cumene	3.535	3.540	-0.1	118	0.00	3.98
13	t	Decane	0.999	0.959	4.0	119	0.00	4.46
18	t	Acetophenone	1.805	1.832	-1.5	125	0.00	4.86
24	I	Naphthalene-d8	1.000	1.000	0.0	125	0.00	5.49
27	t	Quinoline	0.775	0.667	13.9	124	0.00	5.74
40	t	2,3-Dichloroaniline	0.426	0.305	28.4	104	0.00	6.21
41	t	Caprolactam	0.116	0.093	19.8	113	-0.02	5.78
45	t	1-Methylnaphthalene	0.686	0.572	16.6	121	0.00	6.07
46	t	Dimethylnaphthalene	0.688	0.562	18.3	121	0.00	6.48
47	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	6.86
53	t	Biphenyl	1.685	1.710	-1.5	123	0.00	6.36
69	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00	8.67
82	t	Octadecane	0.439	0.458	-4.3	117	0.00	8.59
83	I	Chrysene-d12	1.000	1.000	0.0	93	-0.01	13.86
91	I	Perylene-d12	1.000	1.000	0.0	91	-0.01	16.89
99	t	7,12-Dimethylbenz(a)anthr	0.410	0.674	-64.4#	111	-0.02	16.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 15:01:37 2014 RPT1

8.7.19

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32453A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32453A.D Vial: 20
Acq On : 6 Jun 2014 10:53 pm Operator: samtap
Sample : icv1390-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
101 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	68	0.00	4.57
102	Benzaldehyde	0.846	1.170	-38.3#	115	0.23	4.24
103 I	Acenaphthene-d10a	1.000	1.000	0.0	66	0.00	6.86
105	Atrazine	0.153	0.197	-28.8	82	0.00	8.29

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:35 2014 RPT1

8.7.20

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32454.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32454.D Vial: 21
Acq On : 6 Jun 2014 11:19 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	133	0.00	4.57
5	S	2-Fluorophenol	1.323	1.066	19.4	108	0.00	3.59
8	S	Phenol-d5	1.541	1.221	20.8	106	0.00	4.30
24	I	Naphthalene-d8	1.000	1.000	0.0	135	0.00	5.49
25	S	Nitrobenzene-d5	0.331	0.299	9.7	127	0.00	4.97
47	I	Acenaphthene-d10	1.000	1.000	0.0	129	0.00	6.86
51	S	2-Fluorobiphenyl	1.273	1.191	6.4	131	0.00	6.28
69	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.00	8.67
73	S	2,4,6-Tribromophenol	0.102	0.086	15.7	106	0.00	7.71
83	I	Chrysene-d12	1.000	1.000	0.0	111	-0.01	13.86
85	S	Terphenyl-d14	0.787	0.773	1.8	113	0.00	11.68
91	I	Perylene-d12	1.000	1.000	0.0	112	-0.01	16.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:37 2014 RPT1

8.7.21

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32455.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32455.D Vial: 22
Acq On : 6 Jun 2014 11:44 pm Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	154	0.00	4.57
10		Aniline	1.719	1.830	-6.5	173	0.00	4.32
24	I	Naphthalene-d8	1.000	1.000	0.0	157	0.00	5.49
39	t	4-Chloroaniline	0.434	0.434	0.0	163	0.00	5.54

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:39 2014 RPT1

8.7.22
8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32456.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32456.D Vial: 23
Acq On : 7 Jun 2014 12:10 am Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	162	0.00	13.87
88 t	3,3'-Dichlorobenzidine	0.402	0.376	6.5	153	0.00	13.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:41 2014 RPT1

8.7.23

8

Initial Calibration Verification

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1390-ICV1390
Lab FileID: 3P32456A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1389\3p32456A.D Vial: 23
Acq On : 7 Jun 2014 12:10 am Operator: samtap
Sample : icv1390-50 Inst : GC3P
Misc : op74992,e3p1390, Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107	Chrysene-d12a	1.000	1.000	0.0	116	0.00	13.87
108	Benzidine	0.511	0.699	-36.8#	188	0.00	11.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Tue Jun 10 14:14:43 2014 RPT1

8.7.24

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1390-ICV1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32457.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\1389\3p32457.D              Vial: 24
  Acq On    :  7 Jun 2014  12:35 am                     Operator: samtap
  Sample    : icv1390-50                                Inst    : GC3P
  Misc      : op74992,e3p1390,                          Multiplr: 1.00
  MS Integration Params: lscint.p

  Method       : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
  Title        : Semi Volatile Extractables by GC/MS
  Last Update  : Sat Jun 07 08:20:07 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
109 I	Naphthalene-d8a	1.000	1.000	0.0	94	0.00	5.49
110 t	Hydroquinone	0.281	0.329	-17.1	103	0.18	5.77

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     3p32445.D  M3P1389.M        Tue Jun 10 14:14:45 2014   RPT1
```

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1392-ICV1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P32489.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\1392\3p32489.D Vial: 2
Acq On : 9 Jun 2014 10:58 am Operator: samtap
Sample : icv1389-50 Inst : GC3P
Misc : op75409,e3p1392,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
47 I	Acenaphthene-d10	1.000	1.000	0.0	115	-0.02	6.85
60 t	2,4-Dinitrophenol	50.000	54.290	-8.58	106	-0.02	6.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32445.D M3P1389.M Mon Jun 09 15:17:02 2014 RPT1

8.7.26

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1414-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33094.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1414\3P33094.D Vial: 2
Acq On : 24 Jun 2014 7:56 pm Operator: ashleyd
Sample : cc1389-50 Inst : MS3P
Misc : op75799,e3p1414 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\M3P1389.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 07 08:20:07 2014
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	98	-0.02	4.46
2	t	1,4-Dioxane	0.599	0.499	16.7	94	-0.03	1.93
3	t	Pyridine	1.490	1.215	18.5	87	-0.03	2.29
4	t	N-Nitrosodimethylamine	0.540	0.683	-26.5#	130	-0.03	2.25
5	S	2-Fluorophenol	1.323	1.100	16.9	82	-0.02	3.49
6	t	Indene	2.321	2.105	9.3	103	-0.03	4.65
7	t	Cumene	3.535	3.326	5.9	103	-0.02	3.87
8	S	Phenol-d5	1.541	1.355	12.1	87	-0.02	4.23
9	t	Phenol	1.720	1.444	16.0	85	-0.02	4.23
10		Aniline	1.719	1.583	7.9	95	-0.02	4.23
11	t	bis(2-Chloroethyl)ether	1.090	0.942	13.6	88	-0.02	4.27
12	t	2-Chlorophenol	1.446	1.235	14.6	88	-0.02	4.32
13	t	Decane	0.999	1.125	-12.6	128	-0.02	4.35
14	t	1,3-Dichlorobenzene	1.657	1.447	12.7	90	-0.02	4.42
15	t	1,4-Dichlorobenzene	1.647	1.474	10.5	92	-0.02	4.48
16	t	Benzyl alcohol	0.795	0.729	8.3	92	-0.02	4.57
17	t	1,2-Dichlorobenzene	1.527	1.348	11.7	91	-0.02	4.59
18	t	Acetophenone	1.805	1.776	1.6	112	-0.02	4.76
19	t	2-Methylphenol	1.050	0.967	7.9	95	-0.02	4.67
20	t	2,2'-oxybis(1-Chloropropa	1.079	1.099	-1.9	108	-0.02	4.67
21	t	3&4-Methylphenol	1.093	1.012	7.4	94	-0.02	4.78
22	t	n-Nitroso-di-n-propylamin	0.701	0.746	-6.4	111	-0.02	4.76
23	t	Hexachloroethane	0.524	0.646	-23.3#	125	-0.02	4.83
24	I	Naphthalene-d8	1.000	1.000	0.0	91	-0.02	5.39
25	S	Nitrobenzene-d5	0.331	0.351	-6.0	101	-0.02	4.87
26	t	Nitrobenzene	0.347	0.367	-5.8	103	-0.02	4.88
27	t	Quinoline	0.775	0.728	6.1	99	-0.02	5.64
28	t	Isophorone	0.587	0.604	-2.9	97	-0.02	5.06
29	t	2-Nitrophenol	0.197	0.217	-10.2	101	-0.02	5.11
30	t	2,4-Dimethylphenol	0.278	0.328	-18.0	99	-0.02	5.16
31	t	Benzoic acid	0.221	0.244	-10.4	100	-0.02	5.26
32	t	bis(2-Chloroethoxy)methan	0.354	0.328	7.3	93	-0.02	5.21
33	t	2,4-Dichlorophenol	0.317	0.328	-3.5	97	-0.02	5.30
34	t	2,6-Dichlorophenol	0.301	0.326	-8.3	102	-0.02	5.45
35		1,3,5-Trichlorobenzene	0.416	0.502	-20.7#	128	-0.02	5.12
36	t	1,2,4-Trichlorobenzene	0.356	0.402	-12.9	109	-0.02	5.34
37		1,2,3-Trichlorobenzene	0.375	0.441	-17.6	125	-0.02	5.51
38	t	Naphthalene	1.038	0.954	8.1	90	-0.02	5.40
39	t	4-Chloroaniline	0.434	0.411	5.3	90	-0.02	5.45
40	t	2,3-Dichloroaniline	0.426	0.465	-9.2	116	-0.02	6.10
41	t	Caprolactam	0.116	0.105	9.5	93	-0.02	5.71

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1414-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33094.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.188	0.265	-41.0#	137	-0.02	5.49
43	t	4-Chloro-3-methylphenol	0.296	0.293	1.0	95	-0.02	5.80
44	t	2-Methylnaphthalene	0.624	0.618	1.0	94	-0.02	5.90
45	t	1-Methylnaphthalene	0.686	0.697	-1.6	108	-0.02	5.97
46	t	Dimethylnaphthalene	0.688	0.750	-9.0	118	-0.03	6.37
47	I	Acenaphthene-d10	1.000	1.000	0.0	106	-0.03	6.73
48	t	Hexachlorocyclopentadiene	0.310	0.332	-7.1	110	-0.03	6.01
49	t	2,4,6-Trichlorophenol	0.368	0.420	-14.1	126	-0.03	6.11
50	t	2,4,5-Trichlorophenol	0.411	0.449	-9.2	125	-0.02	6.15
51	S	2-Fluorobiphenyl	1.273	1.194	6.2	108	-0.02	6.16
52	t	2-Chloronaphthalene	1.187	1.047	11.8	101	-0.02	6.26
53	t	Biphenyl	1.685	1.480	12.2	111	-0.03	6.24
54	t	2-Nitroaniline	0.283	0.304	-7.4	114	-0.03	6.35
55	t	Dimethylphthalate	1.280	1.167	8.8	106	-0.03	6.48
56	t	Acenaphthylene	1.910	1.646	13.8	97	-0.03	6.60
57	t	2,6-Dinitrotoluene	0.262	0.273	-4.2	107	-0.03	6.54
58	t	3-Nitroaniline	0.342	0.282	17.5	87	-0.03	6.70
59	t	Acenaphthene	1.159	1.010	12.9	100	-0.03	6.76
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	112.564	-12.6	131	-0.02	6.81
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.148	0.175	-18.2	121	-0.03	6.89
62	t	Dibenzofuran	1.636	1.497	8.5	104	-0.03	6.93
63	t	2,4-Dinitrotoluene	0.354	0.388	-9.6	109	-0.03	6.93
64		2,3,4,6-Tetrachlorophenol	0.294	0.371	-26.2#	133	-0.03	7.07
65	t	Diethylphthalate	1.294	1.158	10.5	101	-0.03	7.16
66	t	Fluorene	1.322	1.253	5.2	107	-0.03	7.29
67	t	4-Chlorophenyl-phenylethe	0.587	0.679	-15.7	132	-0.03	7.29
68	t	4-Nitroaniline	0.347	0.254	26.8#	77	-0.03	7.32
69	I	Phenanthrene-d10	1.000	1.000	0.0	116	-0.04	8.51
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	53.442	-6.9	129	-0.02	7.37
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.531	0.443	16.6	104	-0.04	7.42
72	t	1,2-Diphenylhydrazine	0.701	0.596	15.0	104	-0.03	7.47
73	S	2,4,6-Tribromophenol	0.102	0.103	-1.0	118	-0.04	7.57
74	t	4-Bromophenyl-phenylether	0.208	0.223	-7.2	132	-0.04	7.88
75	t	Hexachlorobenzene	0.237	0.245	-3.4	127	-0.04	7.97
76	t	Pentachlorophenol	0.145	0.146	-0.7	119	-0.04	8.25
77	t	Phenanthrene	1.137	0.977	14.1	107	-0.04	8.54
78	t	Anthracene	1.108	0.983	11.3	109	-0.04	8.62
79	t	Carbazole	1.232	1.022	17.0	112	-0.04	8.89
80	t	Di-n-butylphthalate	1.366	1.115	18.4	97	-0.04	9.56
81	t	Fluoranthene	1.248	1.229	1.5	118	-0.05	10.61
82	t	Octadecane	0.439	0.367	16.4	110	-0.04	8.41
83	I	Chrysene-d12	1.000	1.000	0.0	119	-0.04	13.67
84	t	Pyrene	1.326	1.198	9.7	114	-0.05	11.05
85	S	Terphenyl-d14	0.787	0.812	-3.2	127	-0.05	11.47
86	t	Butylbenzylphthalate	0.620	0.473	23.7#	94	-0.05	12.63
87	t	Benzo[a]anthracene	1.119	1.119	0.0	128	-0.05	13.65
88	t	3,3'-Dichlorobenzidine	0.402	0.382	5.0	114	-0.05	13.69
89	t	Chrysene	0.988	0.959	2.9	123	-0.05	13.73
90	t	bis(2-Ethylhexyl)phthalat	0.793	0.601	24.2#	91	-0.05	14.04

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1414-CC1389
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33094.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

91	I	Perylene-d12	1.000	1.000	0.0	100	-0.04	16.71
92	t	Di-n-octylphthalate	1.576	1.377	12.6	86	-0.05	15.48
93	t	Benzo[b]fluoranthene	1.236	1.397	-13.0	119	-0.04	15.96
94	t	Benzo[k]fluoranthene	1.189	1.231	-3.5	105	-0.05	16.02
95	t	Benzo[a]pyrene	1.084	1.158	-6.8	111	-0.05	16.59
96	t	Indeno[1,2,3-cd]pyrene	1.061	1.007	5.1	96	-0.04	18.66
97	t	Dibenz(a,h)acridine	1.087	1.042	4.1	107	-0.04	18.29
98	t	Dibenz[a,h]anthracene	1.061	0.995	6.2	97	-0.04	18.71
99	t	7,12-Dimethylbenz(a)anthr	0.410	0.743	-81.2#	134	-0.05	15.97
100	t	Benzo[g,h,i]perylene	1.086	0.973	10.4	93	-0.05	19.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3p32951.D M3P1389.M Wed Jun 25 14:43:38 2014 RPT1

8.7.27

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3P1427-ICC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33389.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MS3P

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jul 05 08:37:53 2014
Response via : Initial Calibration

Calibration Files
2 =3P33395.D 5 =3P33394.D 25 =3P33390.D 80 =3P33392.D
100 =3P33391.D 50 =3P33389.D 1 =3P33396.D 10 =3P33393.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.472	0.404	0.402	0.457	0.495	0.439	0.397	0.402	0.434	8.76
3) Pyridine	0.800	0.887	0.959	1.209	1.180	1.032		0.977	1.006	14.72
4) N-Nitrosodim	0.439	0.653	0.601	0.697	0.761	0.595		0.632	0.625	16.06
5) 2-Fluorophen		0.925	1.011	1.234	1.306	1.105		0.951	1.089	14.25
6) Indene	1.857	1.872	1.823	1.922	2.004	1.778	1.647	1.799	1.838	5.74
7) Cumene	2.795	2.746	2.729	3.150	3.387	2.892	2.706	2.807	2.902	8.34
8) Phenol-d5	1.095	1.242	1.300	1.510	1.569	1.352	0.852	1.251	1.271	17.87
9) Phenol	1.351	1.501	1.502	1.647	1.716	1.537	0.793	1.471	1.440	19.72
10) Aniline	1.319	1.334	1.329	1.340	1.410	1.393	1.217	1.316	1.332	4.33
11) bis(2-Chloro	1.021	0.957	0.948	0.990	1.042	0.949	1.283	0.947	1.017	11.15
12) 2-Chlorophen	1.149	1.181	1.168	1.253	1.312	1.163	1.123	1.173	1.190	5.17
13) Decane	1.088	0.996	0.930	0.969	1.008	0.930	1.004	0.945	0.984	5.36
14) 1,3-Dichloro	1.493	1.458	1.460	1.512	1.556	1.426	1.412	1.465	1.473	3.17
15) 1,4-Dichloro	1.577	1.513	1.453	1.490	1.562	1.419	1.465	1.414	1.486	4.10
16) Benzyl alcoh	0.616	0.663	0.679	0.787	0.821	0.704	0.428	0.652	0.669	17.83
17) 1,2-Dichloro	1.457	1.370	1.334	1.446	1.503	1.320	1.307	1.321	1.382	5.47
18) Acetophenone	1.574	1.561	1.546	1.639	1.680	1.463	1.399	1.492	1.544	5.95
19) 2-Methylphen	1.029	0.997	0.948	0.936	0.971	0.920	1.106	0.921	0.979	6.52
20) 2,2'-oxybis(	1.130	1.088	1.071	1.094	1.115	1.035	1.018	1.040	1.074	3.73
21) 3&4-Methylph	0.990	1.016	1.017	1.039	1.068	0.961	0.803	0.992	0.986	8.20
22) n-Nitroso-di	0.802	0.708	0.717	0.757	0.783	0.684	0.679	0.713	0.730	6.23
23) Hexachloroet	0.713	0.662	0.631	0.648	0.666	0.609	0.657	0.635	0.653	4.68
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.358	0.348	0.344	0.372	0.381	0.348	0.302	0.350	0.350	6.71
26) Nitrobenzene	0.346	0.391	0.365	0.384	0.379	0.354	0.332	0.371	0.365	5.59
27) Quinoline	0.589	0.634	0.622	0.681	0.691	0.601	0.516	0.601	0.617	8.97
28) Isophorone	0.584	0.578	0.598	0.615	0.629	0.582	0.573	0.576	0.592	3.46
29) 2-Nitropheno	0.179	0.179	0.193	0.232	0.240	0.198	0.150	0.186	0.195	15.03
30) 2,4-Dimethyl	0.265	0.256	0.304	0.339	0.359	0.303	0.248	0.262	0.292	14.08
31) Benzoic acid		0.186	0.242	0.293	0.298	0.243		0.212	0.246	17.88
32) bis(2-Chloro	0.295	0.319	0.328	0.356	0.359	0.321	0.286	0.310	0.322	8.13
33) 2,4-Dichloro	0.312	0.330	0.323	0.356	0.354	0.314	0.275	0.318	0.323	7.97
34) 2,6-Dichloro	0.287	0.289	0.314	0.349	0.350	0.305	0.282	0.297	0.309	8.80
35) 1,3,5-Trichl	0.422	0.422	0.427	0.471	0.495	0.416	0.410	0.424	0.436	6.98
36) 1,2,4-Trichl	0.385	0.403	0.404	0.422	0.433	0.381	0.401	0.395	0.403	4.34
37) 1,2,3-Trichl	0.415	0.391	0.380	0.412	0.419	0.372	0.391	0.376	0.395	4.67
38) Naphthalene	0.951	0.935	0.944	1.007	1.026	0.909	0.913	0.903	0.949	4.81
39) 4-Chloroanil	0.385	0.381	0.382	0.404	0.411	0.358	0.388	0.380	0.386	4.16
40) 2,3-Dichloro	0.409	0.389	0.385	0.439	0.441	0.371	0.369	0.378	0.398	7.21
41) Caprolactam	0.072	0.082	0.091	0.100	0.099	0.089	0.089	0.088	0.089	10.04
42) Hexachlorobu	0.274	0.271	0.258	0.286	0.285	0.249	0.264	0.259	0.268	4.92
43) 4-Chloro-3-m	0.274	0.279	0.287	0.317	0.319	0.279	0.312	0.269	0.292	7.03
44) 2-Methylnaph	0.581	0.572	0.569	0.655	0.678	0.566	0.525	0.559	0.588	8.76
45) 1-Methylnaph	0.628	0.609	0.591	0.661	0.671	0.574	0.604	0.580	0.615	5.84

Initial Calibration Summary

Job Number: JB69926 **Sample:** E3P1427-ICC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33389.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.633	0.625	0.628	0.690	0.709	0.587	0.601	0.618	0.636	6.62
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy		0.091	0.199	0.339	0.363	0.247		0.174	0.235	43.82
	----- Quadratic regression -----								Coefficient =		0.9982
	Response Ratio = -0.01874 + 0.16454 *A + 0.04152 *A^2										
49)	2,4,6-Trichl	0.418	0.402	0.391	0.421	0.434	0.375	0.317	0.381	0.392	9.35
50)	2,4,5-Trichl	0.406	0.441	0.436	0.473	0.487	0.427	0.466	0.432	0.446	6.04
51)	2-Fluorobiph	1.319	1.278	1.229	1.303	1.345	1.196	1.189	1.239	1.262	4.59
52)	2-Chloronaph	1.144	1.136	1.067	1.104	1.124	1.001	1.065	1.058	1.087	4.48
53)	Biphenyl	1.391	1.329	1.283	1.391	1.423	1.217	1.279	1.290	1.325	5.35
54)	2-Nitroanili	0.332	0.320	0.307	0.320	0.325	0.292	0.246	0.310	0.306	8.99
55)	Dimethylphth	1.287	1.230	1.175	1.210	1.259	1.122	1.171	1.200	1.207	4.34
56)	Acenaphthyle	1.716	1.696	1.628	1.705	1.735	1.580	1.517	1.608	1.648	4.66
57)	2,6-Dinitrot	0.267	0.277	0.279	0.297	0.297	0.265	0.209	0.270	0.270	10.26
58)	3-Nitroanili	0.275	0.283	0.282	0.303	0.305	0.274	0.240	0.277	0.280	7.11
59)	Acenaphthene	1.045	1.025	0.978	1.055	1.095	0.935	0.988	0.967	1.011	5.24
60)	2,4-Dinitrop			0.149	0.202	0.205	0.165		0.136	0.171	18.33
61)	4-Nitropheno		0.121	0.142	0.167	0.172	0.142		0.135	0.146	13.28
62)	Dibenzofuran	1.563	1.535	1.488	1.613	1.660	1.466	1.414	1.491	1.529	5.29
63)	2,4-Dinitrot	0.348	0.363	0.380	0.408	0.415	0.373	0.267	0.372	0.366	12.49
64)	2,3,4,6-Tetr	0.306	0.336	0.337	0.388	0.403	0.331	0.304	0.334	0.342	10.38
65)	Diethylphtha	1.202	1.219	1.171	1.238	1.268	1.107	1.128	1.148	1.185	4.73
66)	Fluorene	1.235	1.237	1.216	1.331	1.394	1.183	1.164	1.205	1.246	6.27
67)	4-Chlorophen	0.656	0.671	0.658	0.730	0.763	0.648	0.643	0.647	0.677	6.57
68)	4-Nitroanili	0.196	0.256	0.271	0.277	0.285	0.260	0.177	0.261	0.248	15.90
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-			0.120	0.146	0.152	0.127		0.114	0.132	12.65
71)	n-Nitrosodip	0.448	0.451	0.430	0.444	0.455	0.408	0.430	0.434	0.438	3.47
72)	1,2-Diphenyl	0.610	0.627	0.592	0.608	0.621	0.565	0.598	0.607	0.604	3.16
73)	2,4,6-Tribro	0.108	0.116	0.120	0.133	0.141	0.115	0.102	0.116	0.119	10.55
74)	4-Bromopheny	0.238	0.246	0.233	0.255	0.267	0.229	0.229	0.238	0.242	5.59
75)	Hexachlorobe	0.298	0.298	0.276	0.296	0.312	0.267	0.286	0.276	0.289	5.22
76)	Pentachlorop		0.112	0.131	0.176		0.142		0.121	0.136	18.06
77)	Phenanthrene	1.010	1.012	0.946	0.980	1.024	0.907	0.975	0.935	0.974	4.27
78)	Anthracene	1.006	0.982	0.946	0.992	1.010	0.914	0.979	0.959	0.974	3.33
79)	Carbazole	0.922	0.949	0.906	0.957	0.979	0.867	0.846	0.908	0.917	4.92
80)	Di-n-butylph	1.093	1.103	1.112	1.206	1.250	1.075	1.006	1.069	1.114	6.99
81)	Fluoranthene	1.185	1.206	1.194	1.305	1.331	1.163	1.103	1.185	1.209	6.15
82)	Octadecane	0.315	0.323	0.309	0.323	0.337	0.293	0.283	0.307	0.311	5.60
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.100	1.116	1.073	1.124	1.151	0.994	1.035	1.111	1.088	4.73
85)	Terphenyl-d1	0.814	0.824	0.771	0.834	0.854	0.737	0.746	0.785	0.796	5.34
86)	Butylbenzylp	0.413	0.441	0.435	0.474	0.475	0.410	0.371	0.445	0.433	8.00
87)	Benzo[a]anth	1.157	1.119	1.039	1.104	1.129	0.975	1.178	1.089	1.099	5.98
88)	3,3'-Dichlor	0.378	0.400	0.398	0.416	0.431	0.366	0.328	0.416	0.391	8.51
89)	Chrysene	1.039	1.000	0.916	0.907	0.957	0.840	0.958	0.939	0.944	6.41
90)	bis(2-Ethylh	0.557	0.590	0.573	0.598	0.627	0.530	0.523	0.586	0.573	6.11
91)	I Perylene-d12	ISTD									
92)	Di-n-octylph	1.067	1.131	1.151	1.297	1.328	1.100	0.967	1.165	1.151	10.21
93)	Benzo[b]fluo	1.084	1.172	1.181	1.359	1.360	1.147	1.076	1.209	1.198	9.12
94)	Benzo[k]fluo	1.262	1.236	1.117	1.131	1.186	1.044	1.155	1.158	1.161	5.92
95)	Benzo[a]pyre	1.076	1.093	1.029	1.124	1.146	0.973	1.022	1.061	1.065	5.32
96)	Indeno[1,2,3	1.258	0.997	0.956	1.131	1.134	0.968	1.223	0.992	1.082	11.06
97)	Dibenz(a,h)a	0.915	0.933	0.863	1.039	1.066	0.872	0.836	0.935	0.932	8.80
98)	Dibenz[a,h]a	1.066	1.004	0.965	1.094	1.108	0.940	0.994	1.000	1.021	5.97

8.7.28

8

Initial Calibration Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1427-ICC1427
Lab FileID: 3P33389.D

```
 99) 7,12-Dimethy 0.431 0.461 0.526 0.631 0.646 0.542       0.486 0.532  15.42
             ----- Linear regression -----  Coefficient =  0.9950
               Response Ratio = -0.04718 + 0.64933 *A

100) Benzo[g,h,i] 0.968 0.985 0.920 1.062 1.094 0.904 0.980 0.953 0.983   6.63


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

           M3P1427.M         Mon Jul 07 14:50:08 2014   RPT1
```

8.7.28

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1427-ICV1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33398.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1427\3P33398.D Vial: 11
Acq On : 2 Jul 2014 9:48 pm Operator: ashleyd
Sample : icv1427-50 Inst : MS3P
Misc : op75725,e3p1427 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 03 09:26:53 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	100	0.00	4.40
3	t	Pyridine	1.006	1.146	-13.9	111	0.11	2.31
10		Aniline	1.332	1.595	-19.7	115	0.00	4.16
16	t	Benzyl alcohol	0.669	0.699	-4.5	99	0.00	4.52
24	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00	5.32
39	t	4-Chloroaniline	0.386	0.347	10.1	100	0.00	5.39
44	t	2-Methylnaphthalene	0.588	0.640	-8.8	117	0.00	5.83
47	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00	6.66
		---------- AvgRF	CCRF	% Dev	----------			
54	t	2-Nitroaniline	0.306	0.310	-1.3	105	0.00	6.28
58	t	3-Nitroaniline	0.280	0.272	2.9	98	0.00	6.63
62	t	Dibenzofuran	1.529	1.622	-6.1	110	0.00	6.85
68	t	4-Nitroaniline	0.248	0.254	-2.4	97	0.00	7.25
69	I	Phenanthrene-d10	1.000	1.000	0.0	90	-0.01	8.39
79	t	Carbazole	0.917	0.952	-3.8	99	0.00	8.79
83	I	Chrysene-d12	1.000	1.000	0.0	79	-0.04	13.53
91	I	Perylene-d12	1.000	1.000	0.0	82	-0.03	16.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33389.D M3P1427.M Thu Jul 03 13:06:46 2014 RPT1

8.7.29

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1427-ICV1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33399.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1427\3P33399.D Vial: 12
Acq On : 2 Jul 2014 10:14 pm Operator: ashleyd
Sample : icv1427-50 Inst : MS3P
Misc : op75725,e3p1427 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 03 09:26:53 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	89	0.00	4.40
4	t	N-Nitrosodimethylamine	0.625	0.490	21.6	73	0.00	2.17
11	t	bis(2-Chloroethyl)ether	1.017	0.886	12.9	83	0.00	4.21
14	t	1,3-Dichlorobenzene	1.473	1.322	10.3	83	0.00	4.36
15	t	1,4-Dichlorobenzene	1.486	1.341	9.8	84	0.00	4.41
17	t	1,2-Dichlorobenzene	1.382	1.250	9.6	85	0.00	4.52
20	t	2,2'-oxybis(1-Chloropropa	1.074	0.974	9.3	84	0.00	4.60
22	t	n-Nitroso-di-n-propylamin	0.730	0.693	5.1	91	0.00	4.70
23	t	Hexachloroethane	0.653	0.601	8.0	88	0.00	4.76
24	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00	5.32
26	t	Nitrobenzene	0.365	0.316	13.4	82	0.00	4.82
28	t	Isophorone	0.592	0.535	9.6	84	0.00	4.99
32	t	bis(2-Chloroethoxy)methan	0.322	0.333	-3.4	95	0.00	5.15
36	t	1,2,4-Trichlorobenzene	0.403	0.368	8.7	89	0.00	5.28
38	t	Naphthalene	0.949	0.882	7.1	89	0.00	5.33
42	t	Hexachlorobutadiene	0.268	0.250	6.7	92	0.00	5.42
47	I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00	6.66
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	80.728	19.27	54	0.00	5.94
		----------	AvgRF	CCRF	% Dev	----------		
52	t	2-Chloronaphthalene	1.087	1.039	4.4	92	0.00	6.19
55	t	Dimethylphthalate	1.207	1.203	0.3	95	0.00	6.42
56	t	Acenaphthylene	1.648	1.318	20.0	74	0.00	6.53
57	t	2,6-Dinitrotoluene	0.270	0.260	3.7	86	0.00	6.48
59	t	Acenaphthene	1.011	1.020	-0.9	96	0.00	6.68
63	t	2,4-Dinitrotoluene	0.366	0.341	6.8	81	0.00	6.86
65	t	Diethylphthalate	1.185	1.154	2.6	92	0.00	7.08
66	t	Fluorene	1.246	1.210	2.9	90	0.00	7.20
67	t	4-Chlorophenyl-phenylethe	0.677	0.669	1.2	91	0.00	7.20
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00	8.40
71	t	n-Nitrosodiphenylamine	0.438	0.432	1.4	93	0.00	7.33
72	t	1,2-Diphenylhydrazine	0.604	0.575	4.8	89	0.00	7.38
74	t	4-Bromophenyl-phenylether	0.242	0.233	3.7	89	0.00	7.78
75	t	Hexachlorobenzene	0.289	0.262	9.3	86	0.00	7.87
77	t	Phenanthrene	0.974	0.921	5.4	89	0.00	8.43
78	t	Anthracene	0.974	0.931	4.4	90	0.00	8.51
80	t	Di-n-butylphthalate	1.114	1.096	1.6	90	-0.02	9.45
81	t	Fluoranthene	1.209	1.152	4.7	87	-0.02	10.50
83	I	Chrysene-d12	1.000	1.000	0.0	84	-0.03	13.54

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1427-ICV1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33399.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

84	t	Pyrene	1.088	1.040	4.4	88	-0.02	10.93
86	t	Butylbenzylphthalate	0.433	0.427	1.4	87	-0.02	12.51
87	t	Benzo[a]anthracene	1.099	1.015	7.6	87	-0.03	13.52
89	t	Chrysene	0.944	0.949	-0.5	95	-0.03	13.60
90	t	bis(2-Ethylhexyl)phthalat	0.573	0.559	2.4	88	-0.03	13.91
91	I	Perylene-d12	1.000	1.000	0.0	83	-0.03	16.57
92	t	Di-n-octylphthalate	1.151	1.185	-3.0	90	-0.04	15.34
93	t	Benzo[b]fluoranthene	1.198	1.158	3.3	84	-0.04	15.83
94	t	Benzo[k]fluoranthene	1.161	1.160	0.1	92	-0.03	15.88
95	t	Benzo[a]pyrene	1.065	1.084	-1.8	93	-0.03	16.46
96	t	Indeno[1,2,3-cd]pyrene	1.082	1.037	4.2	89	-0.03	18.53
98	t	Dibenz[a,h]anthracene	1.021	1.054	-3.2	93	-0.03	18.58
		----------	AvgRF	CCRF	% Dev		----------	
100	t	Benzo[g,h,i]perylene	0.983	1.042	-6.0	96	-0.03	18.96

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33389.D M3P1427.M Thu Jul 03 13:06:49 2014 RPT1

8.7.30

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1427-ICV1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33400.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1427\3P33400.D Vial: 13
Acq On : 2 Jul 2014 10:40 pm Operator: ashleyd
Sample : icv1427-50 Inst : MS3P
Misc : op75725,e3p1427 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 03 09:26:53 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	115	0.00	4.40
2	t	1,4-Dioxane	0.434	0.442	-1.8	115	0.00	1.85
6	t	Indene	1.838	2.217	-20.6	143	0.00	4.59
7	t	Cumene	2.902	3.289	-13.3	131	0.00	3.80
13	t	Decane	0.984	1.049	-6.6	129	0.00	4.29
18	t	Acetophenone	1.544	1.747	-13.1	137	0.00	4.70
24	I	Naphthalene-d8	1.000	1.000	0.0	117	0.00	5.32
27	t	Quinoline	0.617	0.666	-7.9	130	0.00	5.57
40	t	2,3-Dichloroaniline	0.398	0.397	0.3	125	0.00	6.04
41	t	Caprolactam	0.089	0.095	-6.7	125	-0.02	5.63
45	t	1-Methylnaphthalene	0.615	0.684	-11.2	140	0.00	5.90
46	t	Dimethylnaphthalene	0.636	0.723	-13.7	145	0.00	6.30
47	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00	6.66
53	t	Biphenyl	1.325	1.542	-16.4	143	0.00	6.17
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	-0.01	8.39
82	t	Octadecane	0.311	0.377	-21.2	142	0.00	8.31
83	I	Chrysene-d12	1.000	1.000	0.0	107	-0.04	13.53
91	I	Perylene-d12	1.000	1.000	0.0	97	-0.03	16.57
		----------	True	Calc.	% Drift	----------		
99	t	7,12-Dimethylbenz(a)anthr	50.000	34.027	31.9#	72	-0.04	15.82

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33389.D M3P1427.M Thu Jul 03 13:06:51 2014 RPT1

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1427-ICV1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33401.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1427\3P33401.D Vial: 14
Acq On : 2 Jul 2014 11:06 pm Operator: ashleyd
Sample : icv1427-50 Inst : MS3P
Misc : op75725,e3p1427 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 03 09:26:53 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	108	0.00	4.40
5	S	2-Fluorophenol	1.089	0.956	12.2	94	0.00	3.43
8	S	Phenol-d5	1.271	1.125	11.5	90	0.00	4.17
24	I	Naphthalene-d8	1.000	1.000	0.0	114	0.00	5.32
25	S	Nitrobenzene-d5	0.350	0.325	7.1	106	0.00	4.80
47	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	6.65
51	S	2-Fluorobiphenyl	1.262	1.223	3.1	108	0.00	6.09
69	I	Phenanthrene-d10	1.000	1.000	0.0	104	-0.01	8.39
73	S	2,4,6-Tribromophenol	0.119	0.113	5.0	102	0.00	7.48
83	I	Chrysene-d12	1.000	1.000	0.0	98	-0.04	13.53
85	S	Terphenyl-d14	0.796	0.786	1.3	104	-0.02	11.36
91	I	Perylene-d12	1.000	1.000	0.0	99	-0.03	16.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33389.D M3P1427.M Thu Jul 03 13:06:53 2014 RPT1

8.7.32

8

Initial Calibration Verification

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: E3P1427-ICV1427
Lab FileID: 3P33402.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1427\3P33402.D Vial: 15
Acq On : 2 Jul 2014 11:33 pm Operator: ashleyd
Sample : icv1427-50 Inst : MS3P
Misc : op75725,e3p1427 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 03 09:26:53 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	96	-0.04	13.53
88 t	3,3'-Dichlorobenzidine	0.391	0.378	3.3	99	-0.03	13.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33389.D M3P1427.M Thu Jul 03 13:06:55 2014 RPT1

8.7.33

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** E3P1428-ICV1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33408.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1428\3P33408.D Vial: 2
Acq On : 3 Jul 2014 11:22 am Operator: samtap
Sample : icv1427-50 Inst : MS3P
Misc : op75725,e3p1428 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 03 09:26:53 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	90	0.00	4.40
9	t	Phenol	1.440	1.439	0.1	85	0.00	4.17
12	t	2-Chlorophenol	1.190	1.286	-8.1	100	0.00	4.25
19	t	2-Methylphenol	0.979	1.028	-5.0	101	0.00	4.61
21	t	3&4-Methylphenol	0.986	1.047	-6.2	98	0.00	4.72
24	I	Naphthalene-d8	1.000	1.000	0.0	88	0.00	5.32
29	t	2-Nitrophenol	0.195	0.212	-8.7	94	0.00	5.05
30	t	2,4-Dimethylphenol	0.292	0.379	-29.8	110	0.00	5.09
31	t	Benzoic acid	0.246	0.218	11.4	79	0.01	5.22
33	t	2,4-Dichlorophenol	0.323	0.343	-6.2	96	0.00	5.24
34	t	2,6-Dichlorophenol	0.309	0.335	-8.4	96	0.00	5.39
43	t	4-Chloro-3-methylphenol	0.292	0.296	-1.4	93	0.00	5.75
47	I	Acenaphthene-d10	1.000	1.000	0.0	82	0.00	6.65
		----------	AvgRF	CCRF	% Dev		----------	
49	t	2,4,6-Trichlorophenol	0.392	0.446	-13.8	98	0.00	6.05
50	t	2,4,5-Trichlorophenol	0.446	0.485	-8.7	93	0.00	6.09
60	t	2,4-Dinitrophenol	0.171	0.126	26.32	64	0.01	6.75
61	t	4-Nitrophenol	0.146	0.164	-12.3	95	0.00	6.85
64		2,3,4,6-Tetrachlorophenol	0.342	0.392	-14.6	97	0.00	6.99
69	I	Phenanthrene-d10	1.000	1.000	0.0	76	-0.01	8.39
70	t	4,6-Dinitro-2-methylpheno	0.132	0.130	1.5	78	0.00	7.29
76	t	Pentachlorophenol	0.136	0.154	-13.2	82	0.00	8.17
83	I	Chrysene-d12	1.000	1.000	0.0	71	-0.04	13.53
91	I	Perylene-d12	1.000	1.000	0.0	75	-0.03	16.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33389.D M3P1427.M Thu Jul 03 13:51:34 2014 RPT1

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1436-CC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33585.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1436\3P33585.D Vial: 2
Acq On : 9 Jul 2014 2:38 pm Operator: samtap
Sample : cc1427-50 Inst : MS3P
Misc : op76156,e3p1436 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 10 10:00:32 2014
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	107	0.00	4.34
2	t	1,4-Dioxane	0.434	0.481	-10.8	117	0.00	1.77
3	t	Pyridine	1.006	1.088	-8.2	112	-0.01	2.12
4	t	N-Nitrosodimethylamine	0.625	0.643	-2.9	115	0.00	2.09
5	S	2-Fluorophenol	1.089	1.086	0.3	105	0.00	3.38
6	t	Indene	1.838	1.730	5.9	104	0.00	4.53
7	t	Cumene	2.902	2.870	1.1	106	0.00	3.73
8	S	Phenol-d5	1.271	1.302	-2.4	103	0.00	4.11
9	t	Phenol	1.440	1.495	-3.8	104	0.00	4.13
10		Aniline	1.332	1.389	-4.3	106	0.00	4.11
11	t	bis(2-Chloroethyl)ether	1.017	0.931	8.5	105	0.00	4.15
12	t	2-Chlorophenol	1.190	1.167	1.9	107	0.00	4.20
13	t	Decane	0.984	0.923	6.2	106	0.00	4.23
14	t	1,3-Dichlorobenzene	1.473	1.368	7.1	102	0.00	4.30
15	t	1,4-Dichlorobenzene	1.486	1.387	6.7	104	0.00	4.36
16	t	Benzyl alcohol	0.669	0.668	0.1	101	0.00	4.46
17	t	1,2-Dichlorobenzene	1.382	1.280	7.4	103	0.00	4.47
18	t	Acetophenone	1.544	1.417	8.2	103	0.00	4.64
19	t	2-Methylphenol	0.979	0.879	10.2	102	0.00	4.56
20	t	2,2'-oxybis(1-Chloropropa	1.074	0.998	7.1	103	0.00	4.55
21	t	3&4-Methylphenol	0.986	0.934	5.3	104	0.00	4.67
22	t	n-Nitroso-di-n-propylamin	0.730	0.672	7.9	105	0.00	4.65
23	t	Hexachloroethane	0.653	0.563	13.8	98	0.00	4.71
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	5.26
25	S	Nitrobenzene-d5	0.350	0.349	0.3	102	0.00	4.76
26	t	Nitrobenzene	0.365	0.350	4.1	100	0.00	4.77
27	t	Quinoline	0.617	0.600	2.8	101	0.00	5.53
28	t	Isophorone	0.592	0.558	5.7	97	0.00	4.94
29	t	2-Nitrophenol	0.195	0.201	-3.1	103	0.00	5.00
30	t	2,4-Dimethylphenol	0.292	0.299	-2.4	100	0.00	5.05
31	t	Benzoic acid	0.246	0.232	5.7	97	0.02	5.17
32	t	bis(2-Chloroethoxy)methan	0.322	0.329	-2.2	104	0.00	5.09
33	t	2,4-Dichlorophenol	0.323	0.303	6.2	98	0.00	5.18
34	t	2,6-Dichlorophenol	0.309	0.299	3.2	99	0.00	5.33
35		1,3,5-Trichlorobenzene	0.436	0.423	3.0	103	0.00	5.00
36	t	1,2,4-Trichlorobenzene	0.403	0.374	7.2	100	0.00	5.23
37		1,2,3-Trichlorobenzene	0.395	0.364	7.8	99	0.00	5.39
38	t	Naphthalene	0.949	0.899	5.3	100	0.00	5.28
39	t	4-Chloroaniline	0.386	0.385	0.3	109	0.00	5.33
40	t	2,3-Dichloroaniline	0.398	0.381	4.3	104	0.00	5.98
41	t	Caprolactam	0.089	0.088	1.1	100	0.02	5.60

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1436-CC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33585.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.268	0.244	9.0	99	0.00	5.37
43	t	4-Chloro-3-methylphenol	0.292	0.273	6.5	99	0.00	5.70
44	t	2-Methylnaphthalene	0.588	0.581	1.2	104	0.00	5.77
45	t	1-Methylnaphthalene	0.615	0.583	5.2	103	0.00	5.84
46	t	Dimethylnaphthalene	0.636	0.615	3.3	106	0.00	6.23
47	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00	6.58
		----------	True	Calc.	% Drift	----------		
48	t	Hexachlorocyclopentadiene	100.000	95.666	4.3	97	0.00	5.88
		----------	AvgRF	CCRF	% Dev	----------		
49	t	2,4,6-Trichlorophenol	0.392	0.386	1.5	101	0.00	5.99
50	t	2,4,5-Trichlorophenol	0.446	0.416	6.7	95	0.00	6.03
51	S	2-Fluorobiphenyl	1.262	1.222	3.2	100	0.00	6.03
52	t	2-Chloronaphthalene	1.087	1.041	4.2	102	0.00	6.13
53	t	Biphenyl	1.325	1.305	1.5	105	0.00	6.11
54	t	2-Nitroaniline	0.306	0.296	3.3	99	0.00	6.22
55	t	Dimethylphthalate	1.207	1.151	4.6	100	0.00	6.36
56	t	Acenaphthylene	1.648	1.615	2.0	100	0.00	6.46
57	t	2,6-Dinitrotoluene	0.270	0.272	-0.7	100	0.00	6.41
58	t	3-Nitroaniline	0.280	0.276	1.4	98	0.00	6.56
59	t	Acenaphthene	1.011	0.996	1.5	104	0.00	6.61
60	t	2,4-Dinitrophenol	0.171	0.165	3.5	98	0.00	6.67
61	t	4-Nitrophenol	0.146	0.134	8.2	92	0.00	6.77
62	t	Dibenzofuran	1.529	1.479	3.3	99	0.00	6.77
63	t	2,4-Dinitrotoluene	0.366	0.372	-1.6	98	0.00	6.78
64		2,3,4,6-Tetrachlorophenol	0.342	0.332	2.9	98	0.00	6.91
65	t	Diethylphthalate	1.185	1.144	3.5	101	0.00	7.00
66	t	Fluorene	1.246	1.212	2.7	100	0.00	7.12
67	t	4-Chlorophenyl-phenylethe	0.677	0.656	3.1	99	0.00	7.12
68	t	4-Nitroaniline	0.248	0.252	-1.6	95	0.00	7.17
69	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00	8.29
70	t	4,6-Dinitro-2-methylpheno	0.132	0.117	11.4	92	0.00	7.21
71	t	n-Nitrosodiphenylamine	0.438	0.416	5.0	102	0.00	7.25
72	t	1,2-Diphenylhydrazine	0.604	0.550	8.9	97	0.00	7.29
73	S	2,4,6-Tribromophenol	0.119	0.115	3.4	100	0.00	7.39
74	t	4-Bromophenyl-phenylether	0.242	0.225	7.0	98	0.00	7.69
75	t	Hexachlorobenzene	0.289	0.265	8.3	99	0.00	7.78
76	t	Pentachlorophenol	0.136	0.124	8.8	87	0.00	8.06
77	t	Phenanthrene	0.974	0.923	5.2	102	0.00	8.32
78	t	Anthracene	0.974	0.939	3.6	103	0.00	8.40
79	t	Carbazole	0.917	0.864	5.8	100	0.00	8.68
80	t	Di-n-butylphthalate	1.114	1.054	5.4	98	0.00	9.33
81	t	Fluoranthene	1.209	1.126	6.9	97	0.00	10.36
82	t	Octadecane	0.311	0.305	1.9	104	0.00	8.21
83	I	Chrysene-d12	1.000	1.000	0.0	97	0.05	13.44
84	t	Pyrene	1.088	0.989	9.1	96	0.03	10.81
85	S	Terphenyl-d14	0.796	0.742	6.8	97	0.06	11.26
86	t	Butylbenzylphthalate	0.433	0.405	6.5	95	0.06	12.41
87	t	Benzo[a]anthracene	1.099	0.959	12.7	95	0.05	13.42
88	t	3,3'-Dichlorobenzidine	0.391	0.365	6.6	96	0.05	13.47
89	t	Chrysene	0.944	0.837	11.3	96	0.06	13.50
90	t	bis(2-Ethylhexyl)phthalat	0.573	0.537	6.3	98	0.04	13.80
91	I	Perylene-d12	1.000	1.000	0.0	97	0.05	16.46
92	t	Di-n-octylphthalate	1.151	1.116	3.0	98	0.05	15.24
93	t	Benzo[b]fluoranthene	1.198	1.150	4.0	97	0.05	15.72

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1436-CC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33585.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[k]fluoranthene	1.161	1.055	9.1	98	0.05	15.77
95	t	Benzo[a]pyrene	1.065	0.972	8.7	97	0.05	16.35
96	t	Indeno[1,2,3-cd]pyrene	1.082	0.964	10.9	96	0.04	18.42
97	t	Dibenz(a,h)acridine	0.932	0.892	4.3	99	0.04	18.05
98	t	Dibenz[a,h]anthracene	1.021	0.941	7.8	97	0.04	18.46
			True	Calc.	% Drift			
99	t	7,12-Dimethylbenz(a)anthr	50.000	44.335	11.3	96	0.05	15.71
			AvgRF	CCRF	% Dev			
100	t	Benzo[g,h,i]perylene	0.983	0.901	8.3	96	0.04	18.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33607.D M3P1427.M Thu Jul 10 13:21:00 2014 RPT1

8.7.35

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1436-CC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33586.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1436\3P33586.D Vial: 3
Acq On : 9 Jul 2014 3:09 pm Operator: samtap
Sample : cc1390-50 Inst : MS3P
Misc : op76156,e3p1436 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 10 10:00:32 2014
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.
101 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	65	0.00	4.34
102	Benzaldehyde	0.846	0.674	20.3#	64	0.00	4.02
103 I	Acenaphthene-d10a	1.000	1.000	0.0	74	0.00	6.58
104	Atrazine	0.153	0.173	-13.1	80	-0.07	7.94
105	1,2,4,5-Tetrachlorobenzen	0.576	0.642	-11.5	86	-0.23	5.90
106	Chrysene-d12a	1.000	1.000	0.0	96	0.04	13.42
107	Benzidine	0.511	0.331	35.2#	74	0.00	10.76
108 I	Naphthalene-d8a	1.000	1.000	0.0	64	0.00	5.26
109 t	Hydroquinone	0.281	0.284	-1.1	61	0.01	5.60

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33607.D M3P1427.M Thu Jul 10 13:21:02 2014 RPT1

8.7.36

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1441-CC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33703A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1442\3P33703a.D Vial: 2
Acq On : 11 Jul 2014 4:31 pm Operator: francism
Sample : cc1427-50 Inst : MS3P
Misc : op76295,e3p1441,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jul 10 10:00:32 2014
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	86	-0.01	4.33
2	t	1,4-Dioxane	0.434	0.382	12.0	75	-0.02	1.76
3	t	Pyridine	1.006	0.878	12.7	73	-0.02	2.11
4	t	N-Nitrosodimethylamine	0.625	0.596	4.6	86	-0.02	2.08
5	S	2-Fluorophenol	1.089	0.944	13.3	73	-0.01	3.37
6	t	Indene	1.838	1.751	4.7	84	-0.01	4.52
7	t	Cumene	2.902	2.801	3.5	83	-0.01	3.72
8	S	Phenol-d5	1.271	1.211	4.7	77	0.00	4.11
9	t	Phenol	1.440	1.421	1.3	79	0.00	4.12
10		Aniline	1.332	1.292	3.0	80	-0.02	4.09
11	t	bis(2-Chloroethyl)ether	1.017	0.897	11.8	81	-0.01	4.14
12	t	2-Chlorophenol	1.190	1.144	3.9	84	-0.01	4.19
13	t	Decane	0.984	0.916	6.9	84	-0.01	4.22
14	t	1,3-Dichlorobenzene	1.473	1.352	8.2	81	-0.01	4.29
15	t	1,4-Dichlorobenzene	1.486	1.374	7.5	83	-0.02	4.34
16	t	Benzyl alcohol	0.669	0.644	3.7	78	-0.01	4.45
17	t	1,2-Dichlorobenzene	1.382	1.300	5.9	85	-0.02	4.45
18	t	Acetophenone	1.544	1.462	5.3	86	-0.01	4.63
19	t	2-Methylphenol	0.979	0.887	9.4	83	-0.01	4.55
20	t	2,2'-oxybis(1-Chloropropa	1.074	0.991	7.7	82	-0.01	4.54
21	t	3&4-Methylphenol	0.986	0.949	3.8	85	-0.01	4.67
22	t	n-Nitroso-di-n-propylamin	0.730	0.717	1.8	90	-0.01	4.63
23	t	Hexachloroethane	0.653	0.601	8.0	85	-0.01	4.69
24	I	Naphthalene-d8	1.000	1.000	0.0	87	-0.01	5.25
25	S	Nitrobenzene-d5	0.350	0.339	3.1	85	-0.01	4.74
26	t	Nitrobenzene	0.365	0.355	2.7	88	-0.01	4.76
27	t	Quinoline	0.617	0.611	1.0	89	-0.01	5.52
28	t	Isophorone	0.592	0.552	6.8	83	-0.02	4.92
29	t	2-Nitrophenol	0.195	0.182	6.7	80	-0.01	4.99
30	t	2,4-Dimethylphenol	0.292	0.294	-0.7	85	-0.01	5.03
31	t	Benzoic acid	0.246	0.234	4.9	84	-0.01	5.14
32	t	bis(2-Chloroethoxy)methan	0.322	0.301	6.5	82	-0.02	5.08
33	t	2,4-Dichlorophenol	0.323	0.308	4.6	86	-0.01	5.18
34	t	2,6-Dichlorophenol	0.309	0.301	2.6	86	-0.01	5.32
35		1,3,5-Trichlorobenzene	0.436	0.412	5.5	86	-0.01	4.99
36	t	1,2,4-Trichlorobenzene	0.403	0.381	5.5	87	-0.02	5.21
37		1,2,3-Trichlorobenzene	0.395	0.365	7.6	86	-0.01	5.37
38	t	Naphthalene	0.949	0.889	6.3	85	-0.01	5.26
39	t	4-Chloroaniline	0.386	0.374	3.1	91	-0.01	5.32
40	t	2,3-Dichloroaniline	0.398	0.384	3.5	90	-0.02	5.97
41	t	Caprolactam	0.089	0.091	-2.2	89	-0.01	5.57

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1441-CC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33703A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.268	0.248	7.5	87	-0.02	5.35
43	t	4-Chloro-3-methylphenol	0.292	0.283	3.1	88	-0.01	5.69
44	t	2-Methylnaphthalene	0.588	0.561	4.6	87	-0.02	5.76
45	t	1-Methylnaphthalene	0.615	0.587	4.6	89	-0.02	5.83
46	t	Dimethylnaphthalene	0.636	0.613	3.6	91	-0.02	6.22
47	I	Acenaphthene-d10	1.000	1.000	0.0	88	-0.02	6.56
		----------	True	Calc.	% Drift		----------	
48	t	Hexachlorocyclopentadiene	100.000	85.563	14.4	75	-0.02	5.87
		----------	AvgRF	CCRF	% Dev		----------	
49	t	2,4,6-Trichlorophenol	0.392	0.379	3.3	89	-0.02	5.98
50	t	2,4,5-Trichlorophenol	0.446	0.426	4.5	88	-0.01	6.02
51	S	2-Fluorobiphenyl	1.262	1.175	6.9	87	-0.02	6.02
52	t	2-Chloronaphthalene	1.087	1.003	7.7	88	-0.02	6.11
53	t	Biphenyl	1.325	1.237	6.6	90	-0.02	6.09
54	t	2-Nitroaniline	0.306	0.298	2.6	90	-0.01	6.21
55	t	Dimethylphthalate	1.207	1.148	4.9	90	-0.02	6.33
56	t	Acenaphthylene	1.648	1.552	5.8	87	-0.02	6.44
57	t	2,6-Dinitrotoluene	0.270	0.271	-0.4	90	-0.02	6.39
58	t	3-Nitroaniline	0.280	0.277	1.1	89	-0.02	6.55
59	t	Acenaphthene	1.011	0.974	3.7	92	-0.02	6.59
60	t	2,4-Dinitrophenol	0.171	0.158	7.6	84	-0.02	6.66
61	t	4-Nitrophenol	0.146	0.148	-1.4	92	-0.01	6.77
62	t	Dibenzofuran	1.529	1.441	5.8	87	-0.02	6.75
63	t	2,4-Dinitrotoluene	0.366	0.377	-3.0	89	-0.02	6.77
64		2,3,4,6-Tetrachlorophenol	0.342	0.335	2.0	89	-0.02	6.90
65	t	Diethylphthalate	1.185	1.134	4.3	90	-0.02	6.98
66	t	Fluorene	1.246	1.181	5.2	88	-0.02	7.09
67	t	4-Chlorophenyl-phenylethe	0.677	0.633	6.5	86	-0.02	7.09
68	t	4-Nitroaniline	0.248	0.266	-7.3	90	-0.02	7.15
69	I	Phenanthrene-d10	1.000	1.000	0.0	93	-0.03	8.26
70	t	4,6-Dinitro-2-methylpheno	0.132	0.115	12.9	85	-0.02	7.20
71	t	n-Nitrosodiphenylamine	0.438	0.407	7.1	92	-0.02	7.23
72	t	1,2-Diphenylhydrazine	0.604	0.555	8.1	91	-0.02	7.26
73	S	2,4,6-Tribromophenol	0.119	0.116	2.5	94	-0.02	7.37
74	t	4-Bromophenyl-phenylether	0.242	0.225	7.0	91	-0.02	7.66
75	t	Hexachlorobenzene	0.289	0.260	10.0	91	-0.02	7.75
76	t	Pentachlorophenol	0.136	0.127	6.6	83	-0.02	8.04
77	t	Phenanthrene	0.974	0.925	5.0	95	-0.02	8.30
78	t	Anthracene	0.974	0.921	5.4	94	-0.03	8.37
79	t	Carbazole	0.917	0.891	2.8	95	-0.02	8.65
80	t	Di-n-butylphthalate	1.114	1.063	4.6	92	-0.03	9.30
81	t	Fluoranthene	1.209	1.212	-0.2	97	-0.03	10.33
82	t	Octadecane	0.311	0.291	6.4	92	-0.03	8.17
83	I	Chrysene-d12	1.000	1.000	0.0	107	-0.03	13.36
84	t	Pyrene	1.088	0.911	16.3	98	-0.03	10.75
85	S	Terphenyl-d14	0.796	0.673	15.5	98	-0.03	11.17
86	t	Butylbenzylphthalate	0.433	0.379	12.5	99	-0.03	12.32
87	t	Benzo[a]anthracene	1.099	0.947	13.8	104	-0.02	13.34
88	t	3,3'-Dichlorobenzidine	0.391	0.368	5.9	108	-0.03	13.39
89	t	Chrysene	0.944	0.838	11.2	107	-0.02	13.42
90	t	bis(2-Ethylhexyl)phthalat	0.573	0.486	15.2	98	-0.03	13.73
91	I	Perylene-d12	1.000	1.000	0.0	114	-0.02	16.39
92	t	Di-n-octylphthalate	1.151	0.997	13.4	103	-0.02	15.16
93	t	Benzo[b]fluoranthene	1.198	1.102	8.0	109	-0.01	15.66

8.7.37
8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1441-CC1427
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33703A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[k]fluoranthene	1.161	1.026	11.6	112	-0.02	15.71	
95	t	Benzo[a]pyrene	1.065	0.954	10.4	112	-0.02	16.28	
96	t	Indeno[1,2,3-cd]pyrene	1.082	0.972	10.2	114	-0.01	18.36	
97	t	Dibenz(a,h)acridine	0.932	0.876	6.0	114	-0.01	17.99	
98	t	Dibenz[a,h]anthracene	1.021	0.924	9.5	112	-0.01	18.41	
		----------	True	Calc.	% Drift	----------			
99	t	7,12-Dimethylbenz(a)anthr	50.000	42.026	15.9	107	-0.02	15.64	
		----------	AvgRF	CCRF	% Dev	----------			
100	t	Benzo[g,h,i]perylene	0.983	0.876	10.9	110	-0.01	18.79	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33607.D M3P1427.M Fri Jul 11 21:25:12 2014 RPT1

8.7.37

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** E3P1441-CC1390
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** 3P33704.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\E3P1441\3P33704.D Vial: 3
Acq On : 11 Jul 2014 5:00 pm Operator: francism
Sample : cc1390-50 Inst : MS3P
Misc : op76295,e3p1441,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\M3P1427.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jul 13 14:22:09 2014
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.
101 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	93	0.00	4.33
102	Benzaldehyde	0.846	0.637	24.7#	85	0.00	4.01
103 I	Acenaphthene-d10a	1.000	1.000	0.0	108	0.01	6.56
104	Atrazine	0.153	0.183	-19.6	125	-0.09	7.92
105	1,2,4,5-Tetrachlorobenzen	0.576	0.640	-11.1	126	-0.24	5.89
106	Chrysene-d12a	1.000	1.000	0.0	151	0.02	13.36
107	Benzidine	0.511	0.372	27.2#	131	-0.09	10.68
108 I	Naphthalene-d8a	1.000	1.000	0.0	93	0.00	5.25
109 t	Hydroquinone	0.281	0.280	0.4	87	0.00	5.60

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3P33607.D M3P1427.M Mon Jul 14 08:31:40 2014 RPT1

8.7.38

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** EM4300-ICC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105039.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Calibration Files
2 =m105043.D 5 =m105042.D 100 =m105036.D 50 =m105039.D
1 =m105037.D 10 =m105041.D 80 =m105038.D 25 =m105040.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.675	0.775	0.656	0.629	1.005	0.718	0.676	0.634	0.721	17.23
3) Pyridine	1.780	1.849	1.771	1.651	2.043	1.781	1.795	1.637	1.788	7.03
4) N-Nitrosodim	0.646	0.668	0.640	0.591	0.759	0.646	0.634	0.590	0.647	8.19
5) 2-Fluorophen	1.419	1.453	1.435	1.363	1.440	1.459	1.484	1.351	1.425	3.26
6) Indene	2.661	2.932	2.470	2.376	2.918	2.726	2.533	2.487	2.638	7.90
7) Cumene	3.955	4.041	3.614	3.447	4.032	3.892	3.637	3.601	3.777	6.05
8) Phenol-d5	1.842	1.951	1.835	1.697	2.028	1.930	1.862	1.710	1.857	6.15
9) Phenol	1.991	2.150	2.147	2.006	2.194	2.092	2.181	2.044	2.101	3.78
10) Aniline	2.487	2.635	2.313	2.083	2.842	2.550	2.372	2.240	2.440	9.83
11) bis(2-Chloro	1.488	1.569	1.389	1.304	1.610	1.491	1.416	1.354	1.452	7.28
12) 2-Chlorophen	1.607	1.680	1.541	1.447	1.596	1.634	1.567	1.484	1.569	4.91
13) Decane	1.258	1.268	1.051	1.052	1.328	1.222	1.090	1.091	1.170	9.46
14) 1,3-Dichloro	1.690	1.786	1.587	1.500	1.642	1.726	1.617	1.548	1.637	5.78
15) 1,4-Dichloro	1.685	1.859	1.616	1.547	1.901	1.779	1.621	1.603	1.702	7.63
16) Benzyl alcoh	1.004	1.137	1.057	0.965	1.193	1.116	1.061	1.002	1.067	7.27
17) 1,2-Dichloro	1.585	1.689	1.505	1.430	1.703	1.695	1.533	1.476	1.577	6.84
18) Acetophenone	2.279	2.444	2.053	1.972	2.445	2.367	2.101	2.057	2.215	8.63
19) 2-Methylphen	1.342	1.489	1.380	1.311	1.500	1.466	1.401	1.335	1.403	5.27
20) 2,2'-oxybis(	0.470	0.523	0.443	0.419	0.472	0.472	0.453	0.440	0.462	6.67
21) 3&4-Methylph	1.484	1.656	1.432	1.343	1.623	1.552	1.445	1.405	1.492	7.31
22) n-Nitroso-di	1.113	1.203	0.959	0.914	1.302	1.144	0.996	0.974	1.076	12.67
23) Hexachloroet	0.613	0.603	0.565	0.534	0.598	0.610	0.571	0.542	0.580	5.33
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.405	0.456	0.401	0.386	0.420	0.431	0.421	0.397	0.415	5.38
26) Nitrobenzene	0.465	0.499	0.445	0.430	0.481	0.496	0.465	0.457	0.467	5.13
27) Quinoline	0.819	0.894	0.822	0.794	0.925	0.863	0.843	0.802	0.845	5.44
28) Isophorone	0.798	0.870	0.768	0.743	0.864	0.849	0.800	0.765	0.807	6.03
29) 2-Nitropheno	0.200	0.210	0.217	0.216	0.186	0.217	0.227	0.216	0.211	5.92
30) 2,4-Dimethyl	0.433	0.434	0.411	0.384	0.450	0.430	0.425	0.387	0.419	5.56
31) Benzoic acid		0.202	0.321	0.292		0.241	0.330	0.273	0.277	17.70
32) bis(2-Chloro	0.451	0.486	0.432	0.423	0.512	0.485	0.451	0.434	0.459	6.89
33) 2,4-Dichloro	0.296	0.332	0.318	0.306	0.303	0.323	0.331	0.312	0.315	4.21
34) 2,6-Dichloro	0.318	0.343	0.309	0.300	0.325	0.329	0.319	0.304	0.319	4.47
35) 1,3,5-Trichl	0.422	0.434	0.366	0.366	0.400	0.414	0.381	0.384	0.396	6.51
36) 1,2,4-Trichl	0.380	0.404	0.352	0.348	0.390	0.388	0.363	0.354	0.372	5.60
37) 1,2,3-Trichl	0.387	0.398	0.358	0.348	0.422	0.388	0.365	0.357	0.378	6.66
38) Naphthalene	1.310	1.331	1.146	1.136	1.277	1.279	1.201	1.159	1.230	6.38
39) 4-Chloroanil	0.518	0.602	0.515	0.496	0.570	0.563	0.528	0.513	0.538	6.73
40) 2,3-Dichloro	0.399	0.441	0.395	0.384	0.424	0.431	0.411	0.388	0.409	5.11
41) Caprolactam	0.157	0.167	0.162	0.155	0.183	0.164	0.166	0.158	0.164	5.45
42) Hexachlorobu	0.223	0.241	0.201	0.199	0.219	0.214	0.207	0.206	0.214	6.48
43) 4-Chloro-3-m	0.340	0.395	0.367	0.348	0.362	0.378	0.381	0.353	0.365	5.09
44) 2-Methylnaph	0.706	0.719	0.647	0.629	0.725	0.696	0.666	0.639	0.678	5.59
45) 1-Methylnaph	0.804	0.861	0.738	0.713	0.821	0.799	0.764	0.737	0.780	6.43

8.7.39

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** EM4300-ICC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105039.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46) Dimethylnaph	0.693	0.751	0.681	0.655	0.738	0.741	0.700	0.668	0.703	5.11
47) I Acenaphthene-d10	ISTD									
48) Hexachlorocy	0.286	0.329	0.374	0.357	0.277	0.360	0.386	0.352	0.340	11.70
49) 2,4,6-Trichl	0.379	0.415	0.382	0.364	0.394	0.409	0.392	0.369	0.388	4.66
50) 2,4,5-Trichl	0.400	0.450	0.423	0.398	0.407	0.446	0.430	0.409	0.420	4.79
51) 2-Fluorobiph	1.409	1.507	1.305	1.281	1.472	1.436	1.365	1.320	1.387	5.92
52) 2-Chloronaph	1.335	1.405	1.232	1.199	1.352	1.382	1.280	1.229	1.302	5.94
53) Biphenyl	1.654	1.753	1.535	1.511	1.783	1.715	1.605	1.545	1.637	6.41
54) 2-Nitroanili	0.309	0.372	0.369	0.352	0.324	0.376	0.388	0.357	0.356	7.58
55) Dimethylphth	1.426	1.483	1.328	1.278	1.441	1.401	1.370	1.301	1.379	5.23
56) Acenaphthyle	1.969	2.106	1.935	1.885	2.032	2.107	1.997	1.892	1.990	4.38
57) 2,6-Dinitrot	0.248	0.288	0.328	0.317	0.229	0.326	0.332	0.312	0.298	13.19
58) 3-Nitroanili	0.300	0.348	0.370	0.351	0.328	0.371	0.381	0.350	0.350	7.47
59) Acenaphthene	1.248	1.370	1.165	1.141	1.328	1.254	1.209	1.161	1.234	6.65
60) 2,4-Dinitrop	0.082	0.204	0.182	0.115	0.202	0.154	0.156	31.60		
----- Quadratic regression ----- Coefficient = 0.9994										
Response Ratio = -0.03296 + 0.18069 *A + 0.00632 *A^2										
61) 4-Nitropheno	0.164	0.176	0.210	0.194	0.154	0.197	0.209	0.192	0.187	10.92
62) Dibenzofuran	1.889	1.992	1.669	1.635	1.987	1.903	1.729	1.704	1.814	8.00
63) 2,4-Dinitrot	0.311	0.423	0.442	0.424	0.319	0.454	0.452	0.432	0.407	14.23
64) 2,3,4,6-Tetr	0.284	0.327	0.342	0.323	0.279	0.342	0.351	0.323	0.321	8.26
65) Diethylphtha	1.293	1.445	1.311	1.268	1.370	1.400	1.358	1.287	1.342	4.61
66) Fluorene	1.412	1.527	1.374	1.325	1.431	1.460	1.401	1.343	1.409	4.62
67) 4-Chlorophen	0.682	0.757	0.652	0.632	0.708	0.709	0.676	0.652	0.684	5.89
68) 4-Nitroanili	0.317	0.369	0.378	0.353	0.341	0.379	0.391	0.367	0.362	6.67
69) I Phenanthrene-d10	ISTD									
70) 4,6-Dinitro-	0.165	0.153	0.104	0.167	0.133	0.144	18.20			
71) n-Nitrosodip	0.513	0.580	0.538	0.531	0.564	0.570	0.561	0.534	0.549	4.19
72) 1,2-Diphenyl	0.887	0.963	0.857	0.845	0.892	0.919	0.887	0.852	0.888	4.41
73) 2,4,6-Tribro	0.075	0.091	0.095	0.093	0.066	0.096	0.098	0.092	0.088	12.89
74) 4-Bromopheny	0.213	0.223	0.204	0.200	0.205	0.209	0.213	0.196	0.208	4.07
75) Hexachlorobe	0.228	0.256	0.217	0.212	0.223	0.237	0.225	0.217	0.227	6.16
76) Pentachlorop	0.106	0.131	0.154	0.149	0.111	0.146	0.160	0.148	0.138	14.52
77) Phenanthrene	1.229	1.276	1.164	1.132	1.321	1.235	1.195	1.165	1.215	5.20
78) Anthracene	1.169	1.294	1.197	1.151	1.169	1.281	1.227	1.180	1.208	4.45
79) Carbazole	1.096	1.203	1.142	1.090	1.212	1.153	1.161	1.120	1.147	3.93
80) Di-n-butylph	1.066	1.265	1.343	1.279	1.227	1.291	1.375	1.293	1.267	7.36
81) Fluoranthene	1.200	1.305	1.289	1.239	1.359	1.316	1.308	1.247	1.283	3.96
82) Octadecane	0.368	0.441	0.403	0.391	0.377	0.422	0.423	0.403	0.404	6.12
83) I Chrysene-d12	ISTD									
84) Pyrene	1.346	1.458	1.334	1.333	1.426	1.409	1.386	1.348	1.380	3.43
85) Butyl steara	0.183	0.263	0.299	0.300	0.247	0.286	0.306	0.289	0.272	15.13
86) Terphenyl-d1	0.854	0.927	0.887	0.885	0.892	0.918	0.927	0.881	0.896	2.87
87) Butylbenzylp	0.458	0.516	0.608	0.591	0.527	0.560	0.628	0.570	0.557	9.92
88) Benzo[a]anth	1.188	1.271	1.197	1.200	1.378	1.258	1.243	1.199	1.242	5.12
89) 3,3'-Dichlor	0.323	0.403	0.436	0.429	0.396	0.434	0.457	0.430	0.414	9.97
90) Chrysene	1.189	1.260	1.132	1.121	1.228	1.196	1.172	1.131	1.179	4.21
91) bis(2-Ethylh	0.536	0.707	0.835	0.817	0.665	0.763	0.854	0.781	0.745	14.22
92) I Perylene-d12	ISTD									
93) Di-n-octylph	0.855	1.302	1.839	1.576	1.448	1.822	1.491	1.476	22.77	
----- Quadratic regression ----- Coefficient = 0.9990										
Response Ratio = -0.02613 + 1.43679 *A + 0.17290 *A^2										
94) Benzo[b]fluo	1.257	1.462	1.443	1.297	1.621	1.475	1.482	1.312	1.419	8.56
95) Benzo[k]fluo	1.343	1.501	1.342	1.272	1.595	1.478	1.386	1.290	1.401	8.08

8.7.39

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** EM4300-ICC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105039.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

96)	Benzo[a]pyre	1.118	1.280	1.258	1.152	1.388	1.304	1.294	1.144	1.242	7.61
97)	Indeno[1,2,3	0.917	1.043	1.162	1.047	1.334	1.159	1.205	1.019	1.111	11.72
98)	Dibenz(a,h)a	0.836	1.031	1.076	0.977	0.984	1.079	1.115	0.956	1.007	8.85
99)	Dibenz[a,h]a	1.019	1.130	1.199	1.100	1.324	1.212	1.254	1.073	1.164	8.70
100)	7,12-Dimethy	0.498	0.645	0.719	0.643	0.603	0.695	0.731	0.624	0.645	11.60
101)	Benzo[g,h,i]	1.010	1.145	1.148	1.030	1.210	1.213	1.193	1.032	1.123	7.64

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

MM4300.M Mon Jun 16 13:15:50 2014 MSM

8.7.39

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** EM4301-ICC4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105048.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report Instrument #1

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Mon Jun 16 16:09:49 2014
Response via : Initial Calibration

Calibration Files
2 =m105052.D 5 =m105051.D 100 =m105046.D 50 =m105126.D
1 =m105053.D 10 =m105050.D 80 =m105047.D 25 =m105170.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.134	1.202	0.893	1.086	1.095	1.221	0.958	1.184	1.096	10.71
104) I Acenaphthene-d10a	ISTD									
105) 1,2,4,5-Tetr	0.640	0.630	0.572	0.596	0.630	0.620	0.577	0.591	0.607	4.28
106) Atrazine	0.147	0.196	0.213	0.210	0.165	0.212	0.214	0.203	0.195	13.00
107) I Chrysene-d12a	ISTD									
108) Benzidine	0.607		0.561		0.745	0.448	0.660	0.604		18.34
109) 1-chloroocta	0.188	0.238	0.263	0.268	0.177	0.268	0.270	0.267	0.242	15.89
110) I Phenanthrene-d10a	ISTD									
111) o-terphenyl	0.576	0.631	0.594	0.621	0.560	0.645	0.613	0.616	0.607	4.67

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

MM4300.M Tue Jun 17 09:42:10 2014 MSM

8.7.40

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105054.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105054.D Vial: 10
Acq On : 12 Jun 2014 6:45 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	84	0.00	4.90
3	t	Pyridine	1.788	1.453	18.7	74	-0.02	2.78
4	t	N-Nitrosodimethylamine	0.647	0.546	15.6	78	0.00	2.75
11	t	bis(2-Chloroethyl)ether	1.452	1.351	7.0	87	0.00	4.68
14	t	1,3-Dichlorobenzene	1.637	1.404	14.2	79	0.00	4.86
15	t	1,4-Dichlorobenzene	1.702	1.420	16.6	77	0.00	4.92
16	t	Benzyl alcohol	1.067	0.895	16.1	78	0.00	5.01
17	t	1,2-Dichlorobenzene	1.577	1.356	14.0	80	0.00	5.05
20	t	2,2'-oxybis(1-Chloropropa	0.462	0.429	7.1	86	0.00	5.12
22	t	n-Nitroso-di-n-propylamin	1.076	0.948	11.9	87	0.00	5.23
23	t	Hexachloroethane	0.580	0.508	12.4	80	0.00	5.34
24	I	Naphthalene-d8	1.000	1.000	0.0	85	0.00	6.09
26	t	Nitrobenzene	0.467	0.395	15.4	78	-0.11	5.39
28	t	Isophorone	0.807	0.674	16.5	77	0.00	5.60
32	t	bis(2-Chloroethoxy)methan	0.459	0.434	5.4	88	0.00	5.82
36	t	1,2,4-Trichlorobenzene	0.372	0.320	14.0	78	0.00	6.03
38	t	Naphthalene	1.230	1.038	15.6	78	0.00	6.11
42	t	Hexachlorobutadiene	0.214	0.188	12.1	80	0.00	6.25
44	t	2-Methylnaphthalene	0.678	0.575	15.2	78	0.00	6.94
47	I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00	8.49
48	t	Hexachlorocyclopentadiene	0.340	0.278	18.2	66	0.00	7.17
52	t	2-Chloronaphthalene	1.302	1.121	13.9	79	0.00	7.62
54	t	2-Nitroaniline	0.356	0.320	10.1	77	0.00	7.78
55	t	Dimethylphthalate	1.379	1.227	11.0	81	0.00	8.09
56	t	Acenaphthylene	1.990	1.500	24.6	67	0.00	8.26
57	t	2,6-Dinitrotoluene	0.298	0.268	10.1	72	0.00	8.17
58	t	3-Nitroaniline	0.350	0.277	20.9	67	0.00	8.43
59	t	Acenaphthene	1.234	1.096	11.2	81	0.00	8.55
62	t	Dibenzofuran	1.814	1.569	13.5	81	0.00	8.84
63	t	2,4-Dinitrotoluene	0.407	0.337	17.2	67	0.00	8.83
65	t	Diethylphthalate	1.342	1.221	9.0	82	0.01	9.30
66	t	Fluorene	1.409	1.255	10.9	80	0.00	9.43
67	t	4-Chlorophenyl-phenylethe	0.684	0.633	7.5	85	0.00	9.46
68	t	4-Nitroaniline	0.362	0.322	11.0	77	0.02	9.48
69	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00	11.14
71	t	n-Nitrosodiphenylamine	0.549	0.509	7.3	82	0.00	9.67
72	t	1,2-Diphenylhydrazine	0.888	0.797	10.2	81	0.00	9.74
74	t	4-Bromophenyl-phenylether	0.208	0.199	4.3	86	0.00	10.35
75	t	Hexachlorobenzene	0.227	0.201	11.5	81	0.00	10.44

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105054.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.215	1.024	15.7	78	0.00	11.19
78	t	Anthracene	1.208	1.039	14.0	78	0.00	11.28
79	t	Carbazole	1.147	0.993	13.4	78	0.00	11.62
80	t	Di-n-butylphthalate	1.267	1.214	4.2	82	0.00	12.43
81	t	Fluoranthene	1.283	1.143	10.9	79	0.00	13.49
83	I	Chrysene-d12	1.000	1.000	0.0	91	0.00	16.33
84	t	Pyrene	1.380	1.171	15.1	80	0.01	13.92
87	t	Butylbenzylphthalate	0.557	0.528	5.2	81	0.00	15.38
88	t	Benzo[a]anthracene	1.242	1.055	15.1	80	0.00	16.31
90	t	Chrysene	1.179	1.063	9.8	86	0.06	16.38
91	t	bis(2-Ethylhexyl)phthalat	0.745	0.713	4.3	79	0.00	16.60
92	I	Perylene-d12	1.000	1.000	0.0	93	0.00	18.96
93	t	Di-n-octylphthalate	1.580	1.347	14.7	79	0.00	17.83
94	t	Benzo[b]fluoranthene	1.419	1.126	20.6	81	0.01	18.31
95	t	Benzo[k]fluoranthene	1.401	1.154	17.6	84	0.01	18.36
96	t	Benzo[a]pyrene	1.242	1.075	13.4	87	-0.10	18.86
97	t	Indeno[1,2,3-cd]pyrene	1.111	0.931	16.2	83	0.02	20.76
99	t	Dibenz[a,h]anthracene	1.164	1.002	13.9	85	0.02	20.82
101	t	Benzo[g,h,i]perylene	1.123	1.001	10.9	90	0.02	21.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:11 2014 MSM

8.7.41

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105054A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105054a.D Vial: 10
Acq On : 12 Jun 2014 6:45 pm Operator: saumilp
Sample : ICV4301-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
104 I	Acenaphthene-d10a	1.000	1.000	0.0	108	0.00	8.49
105 I	1,2,4,5-Tetrachlorobenzen	0.607	0.600	1.2	109	0.00	7.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:13 2014 MSM

8.7.42

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105055A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105055a.D Vial: 11
Acq On : 12 Jun 2014 7:15 pm Operator: saumilp
Sample : ICV4301-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	98	0.00	4.90
103 t	Benzaldehyde	1.096	1.199	-9.4	109	0.00	4.56
104 I	Acenaphthene-d10a	1.000	1.000	0.0	98	0.00	8.49
106 t	Atrazine	0.195	0.193	1.0	90	0.01	10.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:17 2014 MSM

8.7.43

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105055.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105055.D Vial: 11
Acq On : 12 Jun 2014 7:15 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	78	0.00	4.90
2	t	1,4-Dioxane	0.721	0.580	19.6	72	0.00	2.47
6	t	Indene	2.638	2.369	10.2	78	0.21	5.12
7	t	Cumene	3.777	3.239	14.2	74	0.00	4.30
13	t	Decane	1.170	0.983	16.0	73	0.00	4.77
18	t	Acetophenone	2.215	1.981	10.6	79	0.00	5.23
24	I	Naphthalene-d8	1.000	1.000	0.0	79	0.00	6.09
27	t	Quinoline	0.845	0.728	13.8	72	0.00	6.48
40	t	2,3-Dichloroaniline	0.409	0.324	20.8	66	0.00	7.33
41	t	Caprolactam	0.164	0.135	17.7	69	-0.02	6.53
45	t	1-Methylnaphthalene	0.780	0.663	15.0	73	-0.10	7.08
46	t	Dimethylnaphthalene	0.703	0.605	13.9	73	0.00	7.83
47	I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00	8.49
53	t	Biphenyl	1.637	1.436	12.3	73	0.00	7.60
69	I	Phenanthrene-d10	1.000	1.000	0.0	75	0.00	11.14
82	t	Octadecane	0.404	0.394	2.5	75	0.00	11.13
83	I	Chrysene-d12	1.000	1.000	0.0	79	0.00	16.32
92	I	Perylene-d12	1.000	1.000	0.0	75	0.00	18.95
100	t	7,12-Dimethylbenz(a)anthr	0.645	0.441	31.6#	52	0.00	18.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:15 2014 MSM

8.7.44

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105056.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105056.D Vial: 12
Acq On : 12 Jun 2014 7:44 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	90	0.00	4.90
5	S	2-Fluorophenol	1.425	1.215	14.7	80	0.00	3.90
8	S	Phenol-d5	1.857	1.487	19.9	79	0.00	4.61
24	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00	6.09
25	S	Nitrobenzene-d5	0.415	0.357	14.0	83	0.00	5.37
47	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00	8.49
51	S	2-Fluorobiphenyl	1.387	1.196	13.8	81	0.00	7.45
69	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00	11.13
73	S	2,4,6-Tribromophenol	0.088	0.078	11.4	72	0.00	9.85
83	I	Chrysene-d12	1.000	1.000	0.0	88	0.00	16.32
86	S	Terphenyl-d14	0.896	0.808	9.8	80	0.00	14.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:19 2014 MSM

8.7.45

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105057.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105057.D Vial: 13
Acq On : 12 Jun 2014 8:14 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	121	0.00	4.90
10	t	Aniline	2.440	2.275	6.8	132	0.00	4.64
24	I	Naphthalene-d8	1.000	1.000	0.0	124	0.00	6.08
39	t	4-Chloroaniline	0.538	0.503	6.5	126	0.00	6.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:21 2014 MSM

8.7.46

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105059.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4301\m105059.D Vial: 15
Acq On : 12 Jun 2014 9:12 pm Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4301 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
83 I	Chrysene-d12	1.000	1.000	0.0	131	0.00	16.33
89 t	3,3'-Dichlorobenzidine	0.414	0.370	10.6	113	0.00	16.33

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 09:11:23 2014 MSM

8.7.47

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105059A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\em4301\m105059a.D          Vial: 15
  Acq On    : 12 Jun 2014   9:12 pm                    Operator: saumilp
  Sample    : ICV4301-50                               Inst    : Instrument #1
  Misc      : op73826,em4301                           Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
  Title        : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
  Last Update  : Fri Jun 13 08:41:49 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
107 I	Chrysene-d12a	1.000	1.000	0.0	154	0.00	16.33
108 t	Benzidine	0.604	0.703	-16.4	193	0.00	13.82

```
   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    m105048.D  MM4300.M         Fri Jun 13 09:11:25 2014   MSM
```

8.7.48

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4301-ICV4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105060.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

```
  Data File : C:\msdchem\1\DATA\em4301\m105060.D          Vial: 16
  Acq On    : 12 Jun 2014   9:42 pm                   Operator: saumilp
  Sample    : ICV4301-50                              Inst    : Instrument #1
  Misc      : op73826,em4301                          Multiplr: 1.00
  MS Integration Params: RTEINT.P

  Method       : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
  Title        : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
  Last Update  : Mon Jun 16 13:03:47 2014
  Response via : Multiple Level Calibration

  Min. RRF     :   0.050  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
  Max. RRF Dev :  30%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
112 I	Naphthalene-d8a	1.000	1.000	0.0	129	0.00	6.08
113	hydroquinone	0.406	0.453	-11.6	135	0.00	6.54

```
    (#) = Out of Range              SPCC's out = 0  CCC's out = 0
     m105126.D  MM4300.M         Mon Jun 16 13:22:53 2014   MSM
```

8.7.49

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EM4302-ICV4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105064.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4302\m105064.D Vial: 2
Acq On : 13 Jun 2014 9:54 am Operator: saumilp
Sample : ICV4300-50 Inst : Instrument #1
Misc : op73826,em4302 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Fri Jun 13 08:41:49 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% 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	127	0.00	4.90
9	t	Phenol	2.101	1.888	10.1	119	0.00	4.62
12	t	2-Chlorophenol	1.569	1.519	3.2	133	0.00	4.74
19	t	2-Methylphenol	1.403	1.356	3.3	131	0.00	5.10
21	t	3&4-Methylphenol	1.492	1.418	5.0	134	0.00	5.22
24	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00	6.08
29	t	2-Nitrophenol	0.211	0.208	1.4	119	0.00	5.69
30	t	2,4-Dimethylphenol	0.419	0.437	-4.3	140	0.00	5.72
31	t	Benzoic acid	0.277	0.257	7.2	109	0.05	5.82
33	t	2,4-Dichlorophenol	0.315	0.325	-3.2	131	0.00	5.92
34	t	2,6-Dichlorophenol	0.319	0.319	0.0	131	0.00	6.17
43	t	4-Chloro-3-methylphenol	0.365	0.370	-1.4	131	0.00	6.73
47	I	Acenaphthene-d10	1.000	1.000	0.0	120	0.00	8.49
49	t	2,4,6-Trichlorophenol	0.388	0.406	-4.6	135	0.00	7.33
50	t	2,4,5-Trichlorophenol	0.420	0.433	-3.1	131	0.00	7.37
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	78.012	22.0	80	0.00	8.60
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.187	0.209	-11.8	130	0.00	8.73
64	t	2,3,4,6-Tetrachlorophenol	0.321	0.327	-1.9	122	0.00	9.05
69	I	Phenanthrene-d10	1.000	1.000	0.0	124	0.00	11.14
70	t	4,6-Dinitro-2-methylpheno	0.144	0.130	9.7	105	0.00	9.53
76	t	Pentachlorophenol	0.138	0.152	-10.1	126	0.00	10.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105048.D MM4300.M Fri Jun 13 10:23:05 2014 MSM

8.7.50

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EM4334-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105978.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4334\m105978.D Vial: 2
Acq On : 3 Jul 2014 8:41 am Operator: saumilp
Sample : cc4300-50 Inst : Instrument #1
Misc : op73826,em4334 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Jul 03 10:56:14 2014
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	118	0.00	4.74
2	t	1,4-Dioxane	0.721	0.592	17.9	111	0.00	2.29
3	t	Pyridine	1.788	1.643	8.1	118	0.00	2.61
4	t	N-Nitrosodimethylamine	0.647	0.601	7.1	120	0.00	2.58
5	S	2-Fluorophenol	1.425	1.306	8.4	113	0.00	3.77
6	t	Indene	2.638	2.389	9.4	119	0.00	4.95
7	t	Cumene	3.777	3.541	6.2	121	0.00	4.14
8	S	Phenol-d5	1.857	1.706	8.1	119	0.00	4.48
9	t	Phenol	2.101	1.948	7.3	115	0.00	4.49
10	t	Aniline	2.440	2.087	14.5	118	0.00	4.49
11	t	bis(2-Chloroethyl)ether	1.452	1.334	8.1	121	0.00	4.54
12	t	2-Chlorophenol	1.569	1.426	9.1	117	0.00	4.59
13	t	Decane	1.170	1.055	9.8	119	0.00	4.61
14	t	1,3-Dichlorobenzene	1.637	1.520	7.1	120	0.00	4.70
15	t	1,4-Dichlorobenzene	1.702	1.543	9.3	118	0.00	4.76
16	t	Benzyl alcohol	1.067	1.001	6.2	123	0.00	4.85
17	t	1,2-Dichlorobenzene	1.577	1.462	7.3	121	0.00	4.87
18	t	Acetophenone	2.215	1.997	9.8	120	0.00	5.07
19	t	2-Methylphenol	1.403	1.324	5.6	119	0.00	4.95
20	t	2,2'-oxybis(1-Chloropropa	0.462	0.442	4.3	125	0.00	4.95
21	t	3&4-Methylphenol	1.492	1.459	2.2	129	0.00	5.08
22	t	n-Nitroso-di-n-propylamin	1.076	1.021	5.1	132	0.00	5.07
23	t	Hexachloroethane	0.580	0.566	2.4	125	0.00	5.16
24	I	Naphthalene-d8	1.000	1.000	0.0	125	0.00	5.88
25	S	Nitrobenzene-d5	0.415	0.400	3.6	129	0.00	5.20
26	t	Nitrobenzene	0.467	0.433	7.3	126	0.00	5.22
27	t	Quinoline	0.845	0.748	11.5	118	0.00	6.29
28	t	Isophorone	0.807	0.733	9.2	123	0.00	5.42
29	t	2-Nitrophenol	0.211	0.203	3.8	118	0.00	5.51
30	t	2,4-Dimethylphenol	0.419	0.363	13.4	118	0.00	5.55
31	t	Benzoic acid	0.277	0.204	26.4#	87	0.00	5.67
32	t	bis(2-Chloroethoxy)methan	0.459	0.419	8.7	124	0.00	5.63
33	t	2,4-Dichlorophenol	0.315	0.304	3.5	124	0.00	5.75
34	t	2,6-Dichlorophenol	0.319	0.301	5.6	125	0.00	5.98
35	t	1,3,5-Trichlorobenzene	0.396	0.357	9.8	122	0.00	5.52
36	t	1,2,4-Trichlorobenzene	0.372	0.346	7.0	124	0.00	5.83
37	t	1,2,3-Trichlorobenzene	0.378	0.335	11.4	121	0.00	6.07
38	t	Naphthalene	1.230	1.092	11.2	120	0.00	5.91
39	t	4-Chloroaniline	0.538	0.464	13.8	117	0.00	5.97
40	t	2,3-Dichloroaniline	0.409	0.376	8.1	122	0.00	7.11
41	t	Caprolactam	0.164	0.144	12.2	116	0.00	6.38

8.7.51

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EM4334-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105978.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.214	0.194	9.3	121	0.00	6.04
43	t	4-Chloro-3-methylphenol	0.365	0.352	3.6	127	0.00	6.56
44	t	2-Methylnaphthalene	0.678	0.605	10.8	120	0.00	6.72
45	t	1-Methylnaphthalene	0.780	0.695	10.9	122	0.00	6.85
46	t	Dimethylnaphthalene	0.703	0.653	7.1	125	0.00	7.60
47	I	Acenaphthene-d10	1.000	1.000	0.0	132	0.00	8.25
48	t	Hexachlorocyclopentadiene	0.340	0.309	9.1	114	0.00	6.94
49	t	2,4,6-Trichlorophenol	0.388	0.367	5.4	133	0.00	7.12
50	t	2,4,5-Trichlorophenol	0.420	0.392	6.7	130	0.00	7.18
51	S	2-Fluorobiphenyl	1.387	1.223	11.8	126	0.00	7.23
52	t	2-Chloronaphthalene	1.302	1.098	15.7	120	0.00	7.40
53	t	Biphenyl	1.637	1.402	14.4	122	0.00	7.37
54	t	2-Nitroaniline	0.356	0.343	3.7	128	0.00	7.56
55	t	Dimethylphthalate	1.379	1.237	10.3	127	0.00	7.85
56	t	Acenaphthylene	1.990	1.738	12.7	121	0.00	8.02
57	t	2,6-Dinitrotoluene	0.298	0.299	-0.3	124	0.00	7.94
58	t	3-Nitroaniline	0.350	0.333	4.9	125	0.00	8.21
59	t	Acenaphthene	1.234	1.055	14.5	122	0.00	8.30
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	89.879	10.1	117	0.00	8.39
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.187	0.177	5.3	120	0.00	8.56
62	t	Dibenzofuran	1.814	1.548	14.7	125	0.00	8.59
63	t	2,4-Dinitrotoluene	0.407	0.407	0.0	126	0.00	8.61
64	t	2,3,4,6-Tetrachlorophenol	0.321	0.305	5.0	124	0.00	8.83
65	t	Diethylphthalate	1.342	1.207	10.1	125	0.00	9.05
66	t	Fluorene	1.409	1.264	10.3	125	0.00	9.18
67	t	4-Chlorophenyl-phenylethe	0.684	0.616	9.9	128	0.00	9.21
68	t	4-Nitroaniline	0.362	0.327	9.7	122	0.00	9.26
69	I	Phenanthrene-d10	1.000	1.000	0.0	134	0.00	10.88
70	t	4,6-Dinitro-2-methylpheno	0.144	0.144	0.0	126	0.00	9.32
71	t	n-Nitrosodiphenylamine	0.549	0.505	8.0	128	0.00	9.43
72	t	1,2-Diphenylhydrazine	0.888	0.773	13.0	123	0.00	9.49
73	S	2,4,6-Tribromophenol	0.088	0.090	-2.3	130	0.00	9.61
74	t	4-Bromophenyl-phenylether	0.208	0.184	11.5	124	0.00	10.08
75	t	Hexachlorobenzene	0.227	0.189	16.7	119	0.00	10.18
76	t	Pentachlorophenol	0.138	0.122	11.6	110	0.00	10.57
77	t	Phenanthrene	1.215	1.068	12.1	127	0.00	10.93
78	t	Anthracene	1.208	1.116	7.6	130	0.00	11.02
79	t	Carbazole	1.147	1.040	9.3	128	0.00	11.37
80	t	Di-n-butylphthalate	1.267	1.244	1.8	131	0.00	12.16
81	t	Fluoranthene	1.283	1.179	8.1	128	0.00	13.22
82	t	Octadecane	0.404	0.396	2.0	136	0.00	10.86
83	I	Chrysene-d12	1.000	1.000	0.0	134	0.00	16.07
84	t	Pyrene	1.380	1.296	6.1	131	0.00	13.65
85		Butyl stearate	0.272	0.440	-61.8#	197	0.00	15.35
86	S	Terphenyl-d14	0.896	0.813	9.3	123	0.00	14.06
87	t	Butylbenzylphthalate	0.557	0.582	-4.5	132	0.00	15.11
88	t	Benzo[a]anthracene	1.242	1.138	8.4	128	0.00	16.05
89	t	3,3'-Dichlorobenzidine	0.414	0.417	-0.7	131	0.00	16.07
90	t	Chrysene	1.179	1.069	9.3	128	0.00	16.11
91	t	bis(2-Ethylhexyl)phthalat	0.745	0.842	-13.0	139	0.00	16.32
92	I	Perylene-d12	1.000	1.000	0.0	127	0.00	18.69

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EM4334-CC4300
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105978.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

			True	Calc.	% Drift			
93	t	Di-n-octylphthalate	50.000	53.452	-6.9	142	0.00	17.55

			AvgRF	CCRF	% Dev			
94	t	Benzo[b]fluoranthene	1.419	1.276	10.1	125	0.00	18.05
95	t	Benzo[k]fluoranthene	1.401	1.175	16.1	118	0.00	18.10
96	t	Benzo[a]pyrene	1.242	1.097	11.7	121	0.00	18.59
97	t	Indeno[1,2,3-cd]pyrene	1.111	1.043	6.1	127	0.00	20.43
98	t	Dibenz(a,h)acridine	1.007	0.932	7.4	122	0.00	20.06
99	t	Dibenz[a,h]anthracene	1.164	1.046	10.1	121	0.00	20.48
100	t	7,12-Dimethylbenz(a)anthr	0.645	0.609	5.6	121	0.00	18.05
101	t	Benzo[g,h,i]perylene	1.123	1.000	11.0	124	0.00	20.91

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105978.D MM4300.M Thu Jul 03 10:57:50 2014 MSM

8.7.51

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EM4334-CC4301
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** M105979.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\em4334\m105979.D Vial: 3
Acq On : 3 Jul 2014 9:10 am Operator: saumilp
Sample : cc4301-50 Inst : Instrument #1
Misc : op73826,em4334 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\MM4300.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Jul 03 10:58:47 2014
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	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	148	0.00	4.74
103	t	Benzaldehyde	1.096	1.162	-6.0	158	0.00	4.41
104	I	Acenaphthene-d10a	1.000	1.000	0.0	156	0.00	8.25
105	I	1,2,4,5-Tetrachlorobenzen	0.607	0.570	6.1	149	0.00	6.95
106	t	Atrazine	0.195	0.217	-11.3	161	0.00	10.47
107	I	Chrysene-d12a	1.000	1.000	0.0	154	0.00	16.05
108	t	Benzidine	0.604	0.628	-4.0	172	0.00	13.56
109	I	Naphthalene-d8a	1.000	1.000	0.0	152	0.00	5.88
110		hydroquinone	0.406	0.413	-1.7	145	0.00	6.37

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m105979.D MM4300.M Thu Jul 03 10:59:41 2014 MSM

8.7.52

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** EP3684-ICC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86527.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSP

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration

Calibration Files
2 =P86526.D 5 =P86528.D 25 =P86529.D 80 =P86525.D
100 =P86523.D 50 =P86527.D 10 =P86530.D 1 =P86524.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.722	0.699	0.691	0.667	0.658	0.693	0.683	0.680	0.687	2.89
3) Pyridine	1.754	1.802	1.775	1.652	1.604	1.741	1.788	1.730	1.731	3.97
4) N-Nitrosodim	0.592	0.587	0.587	0.567	0.568	0.598	0.587	0.580	0.583	1.89
5) 2-Fluorophen	1.543	1.560	1.599	1.455	1.433	1.562	1.606	1.448	1.526	4.58
6) Indene	2.614	2.606	2.349	1.868	1.772	2.140	2.529	2.665	2.318	15.20
7) Cumene	3.794	3.838	3.621	3.023	2.931	3.379	3.772	3.777	3.517	10.37
8) Phenol-d5	1.885	2.001	1.918	1.711	1.699	1.853	1.968	1.820	1.857	5.94
9) Phenol	2.064	2.067	1.965	1.668	1.618	1.839	2.054	1.958	1.904	9.37
10) Aniline	2.595	2.616	2.436	2.054	2.008	2.286	2.543	2.483	2.378	10.00
11) bis(2-Chloro	1.568	1.546	1.430	1.243	1.224	1.346	1.490	1.497	1.418	9.39
12) 2-Chlorophen	1.578	1.587	1.469	1.237	1.189	1.375	1.544	1.583	1.445	11.13
13) Decane	1.552	1.543	1.369	1.110	1.063	1.243	1.460	1.575	1.364	14.94
14) 1,3-Dichloro	1.806	1.778	1.671	1.439	1.400	1.553	1.691	1.714	1.631	9.28
15) 1,4-Dichloro	1.774	1.722	1.598	1.382	1.328	1.507	1.676	1.724	1.589	10.51
16) Benzyl alcoh	0.931	1.028	1.037	0.931	0.916	0.979	1.006	0.937	0.970	4.97
17) 1,2-Dichloro	1.680	1.679	1.532	1.248	1.192	1.391	1.600	1.673	1.499	13.24
18) Acetophenone	2.140	2.145	1.896	1.476	1.415	1.682	2.064	2.106	1.866	16.21
19) 2-Methylphen	1.433	1.462	1.419	1.258	1.216	1.360	1.454	1.408	1.376	6.69
20) 2,2'-oxybis(	0.497	0.465	0.440	0.367	0.351	0.402	0.477		0.428	13.11
21) 3&4-Methylph	1.465	1.546	1.467	1.164	1.099	1.333	1.533	1.406	1.377	12.08
22) n-Nitroso-di	1.020	0.993	0.875	0.734	0.722	0.803	0.945	1.002	0.887	13.71
23) Hexachloroet	0.599	0.620	0.583	0.528	0.526	0.563	0.594	0.561	0.572	5.87
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.401	0.405	0.385	0.354	0.350	0.377	0.392	0.382	0.381	5.26
26) Nitrobenzene	0.421	0.423	0.399	0.350	0.339	0.377	0.416	0.429	0.394	8.86
27) Quinoline	0.810	0.821	0.784	0.713	0.707	0.755	0.811	0.785	0.773	5.72
28) Isophorone	0.772	0.771	0.736	0.656	0.648	0.701	0.759	0.721	0.721	6.76
29) 2-Nitropheno	0.200	0.210	0.217	0.200	0.197	0.212	0.215	0.194	0.206	4.30
30) 2,4-Dimethyl	0.351	0.375	0.365	0.318	0.312	0.351	0.367	0.339	0.347	6.65
31) Benzoic acid			0.250	0.295	0.300	0.283	0.213		0.268	13.60
32) bis(2-Chloro	0.467	0.460	0.430	0.382	0.376	0.411	0.458	0.460	0.431	8.60
33) 2,4-Dichloro	0.318	0.333	0.327	0.295	0.287	0.316	0.335	0.303	0.314	5.64
34) 2,6-Dichloro	0.319	0.322	0.309	0.265	0.254	0.288	0.319	0.297	0.297	8.81
35) 1,3,5-Trichl	0.420	0.411	0.376	0.314	0.302	0.349	0.401	0.402	0.372	12.18
36) 1,2,4-Trichl	0.398	0.386	0.360	0.313	0.303	0.337	0.375	0.386	0.357	10.06
37) 1,2,3-Trichl	0.385	0.370	0.342	0.286	0.275	0.317	0.363	0.370	0.339	12.29
38) Naphthalene	1.212	1.190	1.078	0.896	0.859	0.998	1.144	1.198	1.072	13.01
39) 4-Chloroanil	0.473	0.504	0.480	0.402	0.385	0.446	0.491	0.471	0.457	9.33
40) 2,3-Dichloro	0.426	0.429	0.384	0.324	0.316	0.359	0.405	0.407	0.381	11.54
41) Caprolactam	0.159	0.170	0.164	0.162	0.165	0.167	0.169	0.154	0.164	3.18
42) Hexachlorobu	0.194	0.191	0.182	0.163	0.159	0.177	0.191	0.197	0.182	7.94
43) 4-Chloro-3-m	0.300	0.333	0.328	0.303	0.300	0.322	0.333	0.282	0.313	6.04
44) 2-Methylnaph	0.687	0.674	0.636	0.529	0.508	0.590	0.668	0.667	0.620	11.20
45) 1-Methylnaph	0.786	0.797	0.740	0.619	0.602	0.687	0.790	0.799	0.727	11.21

Initial Calibration Summary

Job Number: JB69926 **Sample:** EP3684-ICC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86527.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

46)	Dimethylnaph	0.716	0.718	0.667	0.562	0.536	0.624	0.703	0.705	0.654	11.02
47)	I Acenaphthene-d10	ISTD									
48)	Hexachlorocy	0.273	0.300	0.330	0.293	0.289	0.319	0.321	0.251	0.297	8.94
49)	2,4,6-Trichl	0.351	0.372	0.368	0.306	0.298	0.344	0.372	0.324	0.342	8.68
50)	2,4,5-Trichl	0.376	0.414	0.409	0.363	0.351	0.397	0.419	0.351	0.385	7.31
51)	2-Fluorobiph	1.415	1.389	1.293	1.060	1.026	1.177	1.330	1.347	1.255	11.87
52)	2-Chloronaph	1.252	1.256	1.137	0.914	0.888	1.032	1.195	1.233	1.113	13.50
53)	Biphenyl	1.723	1.698	1.562	1.243	1.189	1.398	1.622	1.656	1.511	13.79
54)	2-Nitroanili	0.303	0.312	0.332	0.307	0.307	0.322	0.320	0.268	0.309	6.18
55)	Dimethylphth	1.351	1.302	1.254	1.123	1.094	1.205	1.278	1.312	1.240	7.42
56)	Acenaphthyle	1.966	1.956	1.849	1.550	1.469	1.700	1.895	1.846	1.779	10.49
57)	2,6-Dinitrot	0.249	0.284	0.303	0.276	0.273	0.291	0.288	0.236	0.275	8.10
58)	3-Nitroanili	0.316	0.347	0.383	0.353	0.343	0.367	0.362	0.286	0.345	8.89
59)	Acenaphthene	1.248	1.216	1.135	0.943	0.909	1.040	1.169	1.251	1.114	12.11
60)	2,4-Dinitrop		0.056	0.141	0.166	0.168	0.165	0.097		0.132	34.96
	----- Linear regression ----- Coefficient = 0.9997										
	Response Ratio = -0.03550 + 0.17549 *A										
61)	4-Nitropheno	0.099	0.123	0.159	0.156	0.160	0.159	0.146		0.143	16.22
62)	Dibenzofuran	1.733	1.734	1.583	1.255	1.182	1.420	1.667	1.726	1.538	14.57
63)	2,4-Dinitrot	0.327	0.378	0.398	0.338	0.325	0.372	0.390	0.308	0.354	9.56
64)	2,3,4,6-Tetr	0.252	0.292	0.328	0.306	0.304	0.328	0.313	0.248	0.296	10.48
65)	Diethylphtha	1.216	1.260	1.206	1.047	1.010	1.131	1.217	1.185	1.159	7.67
66)	Fluorene	1.342	1.415	1.284	1.003	0.968	1.151	1.336	1.320	1.227	13.61
67)	4-Chlorophen	0.657	0.665	0.602	0.472	0.457	0.535	0.630	0.680	0.587	15.04
68)	4-Nitroanili	0.327	0.366	0.367	0.324	0.326	0.361	0.359	0.304	0.342	7.07
69)	I Phenanthrene-d10	ISTD									
70)	4,6-Dinitro-		0.137	0.148	0.146	0.147	0.110			0.138	11.57
71)	n-Nitrosodip	0.573	0.591	0.548	0.476	0.461	0.517	0.576	0.527	0.534	8.88
72)	1,2-Diphenyl	0.853	0.862	0.791	0.654	0.633	0.726	0.830	0.832	0.773	11.71
73)	2,4,6-Tribro	0.074	0.095	0.097	0.091	0.091	0.095	0.093		0.091	8.56
74)	4-Bromopheny	0.213	0.231	0.224	0.200	0.194	0.214	0.226	0.217	0.215	5.92
75)	Hexachlorobe	0.238	0.239	0.226	0.194	0.187	0.213	0.233	0.217	0.218	9.01
76)	Pentachlorop	0.100	0.126	0.149	0.131	0.131	0.144	0.141	0.082	0.126	18.42
77)	Phenanthrene	1.250	1.242	1.135	0.948	0.906	1.049	1.210	1.283	1.128	12.81
78)	Anthracene	1.244	1.288	1.192	0.973	0.942	1.093	1.238	1.150	1.140	11.22
79)	Carbazole	1.147	1.200	1.139	0.964	0.931	1.066	1.173	1.110	1.091	8.96
80)	Di-n-butylph	1.237	1.310	1.289	1.119	1.078	1.230	1.308	1.168	1.217	7.22
81)	Fluoranthene	1.317	1.372	1.318	1.123	1.096	1.247	1.361	1.266	1.263	8.21
82)	Octadecane	0.507	0.533	0.517	0.418	0.402	0.472	0.537	0.484	0.484	10.46
83)	I Chrysene-d12	ISTD									
84)	Pyrene	1.435	1.481	1.407	1.261	1.233	1.364	1.423	1.333	1.367	6.36
85)	Terphenyl-d1	0.880	0.887	0.878	0.806	0.800	0.866	0.866	0.817	0.850	4.24
86)	Butylbenzylp	0.522	0.552	0.595	0.577	0.571	0.614	0.564	0.496	0.561	6.78
87)	Butyl steara	0.472	0.514	0.522	0.436	0.427	0.490	0.524	0.436	0.477	8.57
88)	Benzo[a]anth	1.261	1.211	1.165	1.023	1.012	1.110	1.172	1.274	1.153	8.61
89)	3,3'-Dichlor	0.417	0.435	0.445	0.396	0.397	0.434	0.440	0.423	0.424	4.46
90)	Chrysene	1.129	1.144	1.098	1.009	0.993	1.074	1.113	1.121	1.085	5.16
91)	bis(2-Ethylh	0.669	0.732	0.778	0.729	0.714	0.788	0.751	0.636	0.725	7.12
92)	I Perylene-d12	ISTD									
93)	Di-n-octylph	1.235	1.345	1.502	1.357	1.290	1.492	1.408	1.127	1.344	9.46
94)	Benzo[b]fluo	1.232	1.280	1.207	1.083	1.049	1.158	1.246	1.261	1.190	7.14
95)	Benzo[k]fluo	1.281	1.306	1.220	0.999	0.955	1.122	1.308	1.301	1.187	12.16
96)	Benzo[a]pyre	1.088	1.117	1.151	1.021	1.009	1.112	1.129	1.153	1.097	5.02
97)	Indeno[1,2,3	1.230	1.237	1.284	1.199	1.177	1.271	1.248	1.352	1.250	4.34
98)	Dibenz(a,h)a	0.860	0.885	0.943	0.907	0.883	0.952	0.890	0.890	0.901	3.51

Initial Calibration Summary

Job Number: JB69926 **Sample:** EP3684-ICC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86527.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

```
 99) Dibenz[a,h]a 0.987 1.026 1.065 0.973 0.942 1.039 1.032 1.104 1.021   5.10
100) 7,12-Dimethy 0.568 0.584 0.576 0.490 0.483 0.542 0.570 0.553 0.546   7.13
101) Benzo[g,h,i] 1.015 1.033 1.067 1.009 0.996 1.053 1.038 1.193 1.050   5.91

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

          MP3684.M          Thu Jun 26 18:57:07 2014
```

8.7.53

8

Initial Calibration Summary

Job Number: JB69926 **Sample:** EP3685-ICC3685
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86534.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Response Factor Report MSP

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration

Calibration Files
2 =P86538.D 5 =P86537.D 25 =P86535.D 80 =P86533.D
100 =P86532.D 50 =P86534.D 10 =P86536.D 1 =P86539.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
102) I 1,4-Dichlorobenzene-d	ISTD									
103) Benzaldehyde	1.535	1.324	1.248	1.109	1.070	1.171	1.430	1.438	1.291	13.08
104) I Phenanthrene-d10b	ISTD									
105) Atrazine	0.275	0.241	0.229	0.216	0.206	0.222	0.261	0.231	0.235	9.81
106) I Chrysene-d12b	ISTD									
107) Benzidine	0.987	0.888	0.910	0.862	0.805	0.877	1.032	0.810	0.896	8.87
108) I Naphthalene-d8b	ISTD									
109) Hydroquinone	0.410	0.381	0.380	0.391	0.385	0.379	0.383		0.387	2.82
110) I Acenaphthene-d10b	ISTD									
111) 1,2,4,5-Tetr	0.815	0.677	0.660	0.636	0.635	0.640	0.753	0.769	0.698	10.11

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

MP3684.M Wed Jun 25 12:55:44 2014

8.7.54

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86540.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3684\P86540.D Vial: 18
Acq On : 20 Jun 2014 11:27 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	149	0.00
9	t	Phenol	1.904	1.834	3.7	149	0.00
19	t	2-Methylphenol	1.376	1.262	8.3	138	0.00
21	t	3&4-Methylphenol	1.377	1.313	4.6	147	0.00
24	I	Naphthalene-d8	1.000	1.000	0.0	148	0.00
29	t	2-Nitrophenol	0.206	0.203	1.5	142	0.00
30	t	2,4-Dimethylphenol	0.347	0.323	6.9	136	0.00
31	t	Benzoic acid	0.268	0.254	5.2	133	0.02
33	t	2,4-Dichlorophenol	0.314	0.290	7.6	136	0.00
34		2,6-Dichlorophenol	0.297	0.286	3.7	147	0.00
43	t	4-Chloro-3-methylphenol	0.313	0.296	5.4	136	-0.01
47	I	Acenaphthene-d10	1.000	1.000	0.0	158	0.00
49	t	2,4,6-Trichlorophenol	0.342	0.326	4.7	150	0.00
50	t	2,4,5-Trichlorophenol	0.385	0.334	13.2	133	0.00
60	t	2,4-Dinitrophenol	0.132	0.118	10.6	114	0.00
61	t	4-Nitrophenol	0.143	0.140	2.1	139	0.00
64		2,3,4,6-Tetrachlorophenol	0.296	0.270	8.8	130	0.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	157	0.00
70	t	4,6-Dinitro-2-methylphenol	0.138	0.122	11.6	130	0.00
76	t	Pentachlorophenol	0.126	0.134	-6.3	146	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:04:07 2014

8.7.55

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3685
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86541A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541A.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
165 I	Acenaphthene-d10b	1.000	1.000	0.0	152	0.00
166	1,2,4,5-Tetrachlorobenzene	0.698	0.577	17.3	137	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:04:09 2014

8.7.56

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86541.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	138	0.00
3	t	Pyridine	1.731	1.520	12.2	121	0.00
4	t	N-Nitrosodimethylamine	0.583	0.540	7.4	125	0.00
11	t	bis(2-Chloroethyl)ether	1.418	1.392	1.8	143	0.00
14	t	1,3-Dichlorobenzene	1.631	1.496	8.3	133	0.00
15	t	1,4-Dichlorobenzene	1.589	1.392	12.4	128	0.00
16	t	Benzyl alcohol	0.970	0.936	3.5	132	0.00
17	t	1,2-Dichlorobenzene	1.499	1.371	8.5	136	0.00
20	t	2,2'-oxybis(1-Chloropropane	0.428	0.444	-3.7	153	0.00
22		n-Nitroso-di-n-propylamine	0.887	0.899	-1.4	155	0.00
23	t	Hexachloroethane	0.572	0.542	5.2	133	0.00
24	I	Naphthalene-d8	1.000	1.000	0.0	133	0.00
26	t	Nitrobenzene	0.394	0.365	7.4	129	0.00
28	t	Isophorone	0.721	0.638	11.5	121	0.00
32	t	bis(2-Chloroethoxy)methane	0.431	0.434	-0.7	141	0.00
36	t	1,2,4-Trichlorobenzene	0.357	0.329	7.8	131	0.00
38	t	Naphthalene	1.072	0.923	13.9	123	0.00
42	t	Hexachlorobutadiene	0.182	0.174	4.4	131	0.00
44	t	2-Methylnaphthalene	0.620	0.544	12.3	123	0.00
47	I	Acenaphthene-d10	1.000	1.000	0.0	126	0.00
48	t	Hexachlorocyclopentadiene	0.297	0.260	12.5	102	0.00
52	t	2-Chloronaphthalene	1.113	1.081	2.9	132	0.00
54	t	2-Nitroaniline	0.309	0.317	-2.6	124	0.00
55	t	Dimethylphthalate	1.240	1.191	4.0	125	0.00
56	t	Acenaphthylene	1.779	1.426	19.8	106	0.00
57	t	2,6-Dinitrotoluene	0.275	0.269	2.2	117	0.00
58	t	3-Nitroaniline	0.345	0.315	8.7	109	0.00
59	t	Acenaphthene	1.114	1.026	7.9	125	0.00
62	t	Dibenzofuran	1.538	1.404	8.7	125	0.00
63	t	2,4-Dinitrotoluene	0.354	0.339	4.2	115	0.00
65	t	Diethylphthalate	1.159	1.108	4.4	124	0.00
66	t	Fluorene	1.227	1.122	8.6	123	0.00
67	t	4-Chlorophenyl-phenylether	0.587	0.525	10.6	124	0.00
68	t	4-Nitroaniline	0.342	0.330	3.5	115	0.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	132	0.00
71	t	n-Nitrosodiphenylamine	0.534	0.503	5.8	128	0.00
72	t	1,2-Diphenylhydrazine	0.773	0.666	13.8	121	0.00
74	t	4-Bromophenyl-phenylether	0.215	0.205	4.7	126	0.00
75	t	Hexachlorobenzene	0.218	0.195	10.6	121	0.00

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86541.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

77	t	Phenanthrene	1.128	0.965	14.5	121	0.00
78	t	Anthracene	1.140	0.989	13.2	119	0.00
79	t	Carbazole	1.091	0.966	11.5	119	0.00
80	t	Di-n-butylphthalate	1.217	1.094	10.1	117	0.00
81	t	Fluoranthene	1.263	1.108	12.3	117	0.00
83	I	Chrysene-d12	1.000	1.000	0.0	120	0.00
84	t	Pyrene	1.367	1.329	2.8	117	0.00
86	t	Butylbenzylphthalate	0.561	0.586	-4.5	114	0.00
88	t	Benzo[a]anthracene	1.153	1.006	12.7	108	0.00
90	t	Chrysene	1.085	1.050	3.2	117	0.00
91	t	bis(2-Ethylhexyl)phthalate	0.725	0.739	-1.9	112	0.00
92	I	Perylene-d12	1.000	1.000	0.0	117	0.00
93	t	Di-n-octylphthalate	1.344	1.398	-4.0	110	0.00
94	t	Benzo[b]fluoranthene	1.190	1.096	7.9	111	0.00
95	t	Benzo[k]fluoranthene	1.187	1.106	6.8	116	-0.01
96	t	Benzo[a]pyrene	1.097	1.048	4.5	111	0.00
97	t	Indeno[1,2,3-cd]pyrene	1.250	1.182	5.4	109	-0.01
99	t	Dibenz[a,h]anthracene	1.021	0.971	4.9	110	-0.01
101	t	Benzo[g,h,i]perylene	1.050	1.006	4.2	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:04:08 2014

8.7.57

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3685
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86542A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3684\P86542A.D Vial: 20
Acq On : 21 Jun 2014 12:21 am Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
157	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	124	0.00
158		Benzaldehyde	1.291	1.189	7.9	126	0.00
159	I	Phenanthrene-d10b	1.000	1.000	0.0	119	0.00
160		Atrazine	0.235	0.226	3.8	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:04:11 2014

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86542.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3684\P86542.D Vial: 20
Acq On : 21 Jun 2014 12:21 am Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
2	t	1,4-Dioxane	0.687	0.627	8.7	110	0.00
6	t	Indene	2.318	2.309	0.4	131	0.00
7	t	Cumene	3.517	3.087	12.2	111	0.00
13	t	Decane	1.364	1.158	15.1	113	0.00
18	t	Acetophenone	1.866	1.817	2.6	131	0.00
24	I	Naphthalene-d8	1.000	1.000	0.0	120	0.00
27	t	Quinoline	0.773	0.694	10.2	111	-0.01
40	t	2,3-Dichloroaniline	0.381	0.328	13.9	110	0.00
41	t	Caprolactam	0.164	0.139	15.2	100	-0.03
45	t	1-Methylnaphthalene	0.727	0.644	11.4	113	0.00
46	t	Dimethylnaphthalene	0.654	0.584	10.7	113	0.00
47	I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00
53	t	Biphenyl	1.511	1.377	8.9	116	0.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
82	t	Octadecane	0.484	0.460	5.0	109	0.00
92	I	Perylene-d12	1.000	1.000	0.0	106	0.00
100	t	7,12-Dimethylbenz(a)anthrac	0.546	0.398	27.1	77	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:04:10 2014

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86545.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3684\P86545.D Vial: 23
Acq On : 21 Jun 2014 1:40 am Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
83 I	Chrysene-d12	1.000	1.000	0.0	190	0.00
89 t	3,3'-Dichlorobenzidine	0.424	0.406	4.2	177	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:04:12 2014

8.7.60

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3685-ICV3685
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86545A.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3684\P86545A.D Vial: 23
Acq On : 21 Jun 2014 1:40 am Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
161 I	Chrysene-d12b	1.000	1.000	0.0	192	0.00
162	Benzidine	0.896	0.842	6.0	184	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:21:25 2014

8.7.61

8

Initial Calibration Verification

Job Number: JB69926 **Sample:** EP3687-ICV3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86575.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3687\P86575.D Vial: 4
Acq On : 21 Jun 2014 2:58 pm Operator: kristis
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3687,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	147	0.00
5	S	2-Fluorophenol	1.526	1.313	14.0	124	0.00
8	S	Phenol-d5	1.857	1.550	16.5	123	0.00
24	I	Naphthalene-d8	1.000	1.000	0.0	141	0.00
25	S	Nitrobenzene-d5	0.381	0.354	7.1	132	0.00
47	I	Acenaphthene-d10	1.000	1.000	0.0	136	0.00
51	S	2-Fluorobiphenyl	1.255	1.123	10.5	130	0.00
69	I	Phenanthrene-d10	1.000	1.000	0.0	136	0.00
73	S	2,4,6-Tribromophenol	0.091	0.083	8.8	119	0.00
83	I	Chrysene-d12	1.000	1.000	0.0	145	0.00
85	S	Terphenyl-d14	0.850	0.752	11.5	126	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Mon Jun 23 09:07:47 2014

8.7.62

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3691-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86640.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3691\P86640.D Vial: 2
Acq On : 24 Jun 2014 7:49 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% 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	93	-0.04	3.93
2	t	1,4-Dioxane	0.687	0.657	4.4	88	-0.03	1.85
3	t	Pyridine	1.731	1.759	-1.6	92	-0.03	2.02
4	t	N-Nitrosodimethylamine	0.583	0.706	-21.1#	112	-0.03	1.99
5	S	2-Fluorophenol	1.526	1.372	10.1	80	-0.03	2.80
6	t	Indene	2.318	2.621	-13.1	104	-0.04	4.19
7	t	Cumene	3.517	4.095	-16.4	105	-0.04	3.21
8	S	Phenol-d5	1.857	1.728	6.9	84	-0.03	3.56
9	t	Phenol	1.904	1.809	5.0	86	-0.03	3.57
10	t	Aniline	2.378	1.688	29.0#	64	-0.04	3.61
11	t	bis(2-Chloroethyl)ether	1.418	1.306	7.9	85	-0.04	3.65
12	t	2-Chlorophenol	1.445	1.421	1.7	90	-0.04	3.73
13	t	Decane	1.364	1.450	-6.3	99	-0.04	3.76
14	t	1,3-Dichlorobenzene	1.631	1.552	4.8	87	-0.04	3.88
15	t	1,4-Dichlorobenzene	1.589	1.532	3.6	89	-0.04	3.94
16	t	Benzyl alcohol	0.970	0.905	6.7	81	-0.04	4.05
17	t	1,2-Dichlorobenzene	1.499	1.447	3.5	88	-0.04	4.10
18	t	Acetophenone	1.866	2.240	-20.0	110	-0.04	4.33
19	t	2-Methylphenol	1.376	1.268	7.8	83	-0.03	4.17
20	t	2,2'-oxybis(1-Chloropropa	0.428	0.408	4.7	86	-0.04	4.19
21	t	3&4-Methylphenol	1.377	1.308	5.0	83	-0.03	4.33
22		n-Nitroso-di-n-propylamin	0.887	0.989	-11.5	105	-0.04	4.33
23	t	Hexachloroethane	0.572	0.592	-3.5	95	-0.04	4.45
24	I	Naphthalene-d8	1.000	1.000	0.0	95	-0.04	5.29
25	S	Nitrobenzene-d5	0.381	0.408	-7.1	101	-0.04	4.49
26	t	Nitrobenzene	0.394	0.427	-8.4	102	-0.04	4.51
27	t	Quinoline	0.773	0.820	-6.1	100	-0.04	5.69
28	t	Isophorone	0.721	0.714	1.0	93	-0.04	4.76
29	t	2-Nitrophenol	0.206	0.213	-3.4	94	-0.04	4.85
30	t	2,4-Dimethylphenol	0.347	0.328	5.5	86	-0.03	4.91
31	t	Benzoic acid	0.268	0.317	-18.3	121	-0.03	5.03
32	t	bis(2-Chloroethoxy)methan	0.431	0.408	5.3	91	-0.04	5.00
33	t	2,4-Dichlorophenol	0.314	0.320	-1.9	93	-0.04	5.13
34		2,6-Dichlorophenol	0.297	0.298	-0.3	92	-0.04	5.38
35		1,3,5-Trichlorobenzene	0.372	0.410	-10.2	104	-0.04	4.88
36	t	1,2,4-Trichlorobenzene	0.357	0.343	3.9	91	-0.04	5.22
37		1,2,3-Trichlorobenzene	0.339	0.378	-11.5	105	-0.04	5.48
38	t	Naphthalene	1.072	1.005	6.3	89	-0.04	5.31
39	t	4-Chloroaniline	0.457	0.417	8.8	83	-0.04	5.37
40	t	2,3-Dichloroaniline	0.381	0.433	-13.6	108	-0.04	6.45
41	t	Caprolactam	0.164	0.194	-18.3	113	-0.05	5.77

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3691-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86640.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.182	0.203	-11.5	106	-0.04	5.46
43	t	4-Chloro-3-methylphenol	0.313	0.340	-8.6	99	-0.04	5.96
44	t	2-Methylnaphthalene	0.620	0.618	0.3	93	-0.04	6.12
45	t	1-Methylnaphthalene	0.727	0.798	-9.8	103	-0.04	6.23
46	t	Dimethylnaphthalene	0.654	0.722	-10.4	103	-0.04	6.86
47	I	Acenaphthene-d10	1.000	1.000	0.0	100	-0.04	7.36
48	t	Hexachlorocyclopentadiene	0.297	0.377	-26.9#	115	-0.04	6.31
49	t	2,4,6-Trichlorophenol	0.342	0.380	-11.1	104	-0.04	6.46
50	t	2,4,5-Trichlorophenol	0.385	0.412	-7.0	101	-0.03	6.51
51	S	2-Fluorobiphenyl	1.255	1.197	4.6	93	-0.04	6.55
52	t	2-Chloronaphthalene	1.113	1.107	0.5	98	-0.04	6.69
53	t	Biphenyl	1.511	1.590	-5.2	102	-0.04	6.67
54	t	2-Nitroaniline	0.309	0.368	-19.1	111	-0.04	6.82
55	t	Dimethylphthalate	1.240	1.276	-2.9	102	-0.04	7.05
56	t	Acenaphthylene	1.779	1.730	2.8	94	-0.04	7.18
57	t	2,6-Dinitrotoluene	0.275	0.295	-7.3	98	-0.04	7.11
58	t	3-Nitroaniline	0.345	0.330	4.3	86	-0.04	7.31
59	t	Acenaphthene	1.114	1.037	6.9	92	-0.04	7.40
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	50.000	58.395	-16.8	126	-0.03	7.45
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.143	0.214	-49.7#	135	-0.03	7.55
62	t	Dibenzofuran	1.538	1.500	2.5	95	-0.04	7.61
63	t	2,4-Dinitrotoluene	0.354	0.413	-16.7	104	-0.04	7.60
64		2,3,4,6-Tetrachlorophenol	0.296	0.330	-11.5	101	-0.04	7.77
65	t	Diethylphthalate	1.159	1.275	-10.0	106	-0.04	7.91
66	t	Fluorene	1.227	1.268	-3.3	99	-0.04	8.02
67	t	4-Chlorophenyl-phenylethe	0.587	0.589	-0.3	98	-0.04	8.03
68	t	4-Nitroaniline	0.342	0.330	3.5	90	-0.04	8.05
69	I	Phenanthrene-d10	1.000	1.000	0.0	97	-0.04	9.19
70	t	4,6-Dinitro-2-methylpheno	0.138	0.160	-15.9	113	-0.03	8.10
71	t	n-Nitrosodiphenylamine	0.534	0.558	-4.5	98	-0.04	8.18
72	t	1,2-Diphenylhydrazine	0.773	0.861	-11.4	105	-0.04	8.22
73	S	2,4,6-Tribromophenol	0.091	0.098	-7.7	97	-0.04	8.32
74	t	4-Bromophenyl-phenylether	0.215	0.221	-2.8	95	-0.04	8.63
75	t	Hexachlorobenzene	0.218	0.219	-0.5	93	-0.04	8.71
76	t	Pentachlorophenol	0.126	0.151	-19.8	98	-0.04	8.96
77	t	Phenanthrene	1.128	1.092	3.2	93	-0.04	9.21
78	t	Anthracene	1.140	1.115	2.2	90	-0.04	9.28
79	t	Carbazole	1.091	1.262	-15.7	107	-0.04	9.50
80	t	Di-n-butylphthalate	1.217	1.343	-10.4	101	-0.05	10.01
81	t	Fluoranthene	1.263	1.224	3.1	90	-0.04	10.84
82	t	Octadecane	0.484	0.548	-13.2	102	-0.04	9.10
83	I	Chrysene-d12	1.000	1.000	0.0	90	-0.04	12.99
84	t	Pyrene	1.367	1.388	-1.5	89	-0.04	11.16
85	S	Terphenyl-d14	0.850	0.879	-3.4	90	-0.05	11.43
86	t	Butylbenzylphthalate	0.561	0.649	-15.7	98	-0.05	12.19
87		Butyl stearate	0.477	0.344	27.9#	59	-0.05	12.34
88	t	Benzo[a]anthracene	1.153	1.196	-3.7	92	-0.04	12.97
89	t	3,3'-Dichlorobenzidine	0.424	0.447	-5.4	90	-0.04	12.96
90	t	Chrysene	1.085	1.110	-2.3	91	-0.04	13.03
91	t	bis(2-Ethylhexyl)phthalat	0.725	0.851	-17.4	99	-0.05	13.11
92	I	Perylene-d12	1.000	1.000	0.0	85	-0.04	15.06
93	t	Di-n-octylphthalate	1.344	1.647	-22.5#	93	-0.05	14.08

8.7.63

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3691-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86640.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[b]fluoranthene	1.190	1.318	-10.8	93	-0.04	14.55
95	t	Benzo[k]fluoranthene	1.187	1.264	-6.5	88	-0.05	14.58
96	t	Benzo[a]pyrene	1.097	1.165	-6.2	86	-0.05	14.98
97	t	Indeno[1,2,3-cd]pyrene	1.250	1.425	-14.0	94	-0.06	16.68
98	t	Dibenz(a,h)acridine	0.901	1.145	-27.1#	103	-0.06	16.30
99	t	Dibenz[a,h]anthracene	1.021	1.148	-12.4	92	-0.06	16.72
100	t	7,12-Dimethylbenz(a)anthr	0.546	0.626	-14.7	92	-0.05	14.55
101	t	Benzo[g,h,i]perylene	1.050	1.160	-10.5	92	-0.07	17.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86535.D MP3684.M Thu Jun 26 15:36:24 2014

8.7.63

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3691-CC3685
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86641.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3691\P86641.D Vial: 3
Acq On : 24 Jun 2014 8:16 pm Operator: ashleyd
Sample : cc3685-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102	I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	120	-0.04	3.93
103		Benzaldehyde	1.291	1.038	19.6	100	-0.04	3.51
104	I	Phenanthrene-d10b	1.000	1.000	0.0	121	-0.04	9.18
105		Atrazine	0.235	0.255	-8.5	135	-0.04	8.85
106	I	Chrysene-d12b	1.000	1.000	0.0	110	-0.04	12.99
107		Benzidine	0.896	0.622	30.6#	75	-0.04	11.05
108	I	Naphthalene-d8b	1.000	1.000	0.0	122	-0.04	5.28
109		Hydroquinone	0.387	0.371	4.1	119	-0.03	5.77
110	I	Acenaphthene-d10b	1.000	1.000	0.0	132	-0.04	7.36
111		1,2,4,5-Tetrachlorobenzen	0.698	0.613	12.2	123	-0.04	6.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86535.D MP3684.M Thu Jun 26 15:36:25 2014

8.7.64

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3698-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86828.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3698\P86828.D Vial: 2
Acq On : 29 Jun 2014 12:40 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% 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	124	0.00	3.88
2	t	1,4-Dioxane	0.687	0.580	15.6	104	0.00	1.80
3	t	Pyridine	1.731	1.500	13.3	105	0.00	1.98
4	t	N-Nitrosodimethylamine	0.583	0.838	-43.7#	178	0.00	1.94
5	S	2-Fluorophenol	1.526	1.365	10.6	106	0.01	2.77
6	t	Indene	2.318	2.386	-2.9	126	0.00	4.14
7	t	Cumene	3.517	3.788	-7.7	130	0.00	3.17
8	S	Phenol-d5	1.857	1.857	0.0	120	0.01	3.53
9	t	Phenol	1.904	2.018	-6.0	128	0.02	3.55
10	t	Aniline	2.378	2.220	6.6	113	0.00	3.57
11	t	bis(2-Chloroethyl)ether	1.418	1.439	-1.5	125	0.00	3.61
12	t	2-Chlorophenol	1.445	1.396	3.4	118	0.00	3.69
13	t	Decane	1.364	1.581	-15.9	144	0.00	3.72
14	t	1,3-Dichlorobenzene	1.631	1.568	3.9	117	0.00	3.83
15	t	1,4-Dichlorobenzene	1.589	1.479	6.9	115	0.00	3.90
16	t	Benzyl alcohol	0.970	1.022	-5.4	123	0.00	4.01
17	t	1,2-Dichlorobenzene	1.499	1.447	3.5	118	0.00	4.05
18	t	Acetophenone	1.866	2.215	-18.7	145	0.00	4.28
19	t	2-Methylphenol	1.376	1.330	3.3	117	0.01	4.13
20	t	2,2'-oxybis(1-Chloropropa	0.428	0.432	-0.9	122	0.00	4.14
21	t	3&4-Methylphenol	1.377	1.404	-2.0	119	0.01	4.29
22		n-Nitroso-di-n-propylamin	0.887	1.191	-34.3#	169	0.00	4.28
23	t	Hexachloroethane	0.572	0.575	-0.5	123	0.00	4.40
24	I	Naphthalene-d8	1.000	1.000	0.0	132	0.00	5.24
25	S	Nitrobenzene-d5	0.381	0.456	-19.7	157	0.00	4.45
26	t	Nitrobenzene	0.394	0.472	-19.8	156	0.00	4.46
27	t	Quinoline	0.773	0.733	5.2	124	0.00	5.65
28	t	Isophorone	0.721	0.793	-10.0	143	0.00	4.72
29	t	2-Nitrophenol	0.206	0.208	-1.0	127	0.00	4.82
30	t	2,4-Dimethylphenol	0.347	0.358	-3.2	130	0.01	4.88
31	t	Benzoic acid	0.268	0.275	-2.6	146	0.04	5.00
32	t	bis(2-Chloroethoxy)methan	0.431	0.437	-1.4	134	0.00	4.96
33	t	2,4-Dichlorophenol	0.314	0.313	0.3	127	0.01	5.09
34		2,6-Dichlorophenol	0.297	0.289	2.7	124	0.01	5.35
35		1,3,5-Trichlorobenzene	0.372	0.344	7.5	121	0.00	4.83
36	t	1,2,4-Trichlorobenzene	0.357	0.334	6.4	123	0.00	5.18
37		1,2,3-Trichlorobenzene	0.339	0.324	4.4	125	0.00	5.44
38	t	Naphthalene	1.072	0.990	7.6	122	0.00	5.27
39	t	4-Chloroaniline	0.457	0.462	-1.1	127	0.00	5.33
40	t	2,3-Dichloroaniline	0.381	0.386	-1.3	133	0.00	6.41
41	t	Caprolactam	0.164	0.194	-18.3	156	0.02	5.73

8.7.65
8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3698-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86828.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.182	0.196	-7.7	143	0.00	5.42
43	t	4-Chloro-3-methylphenol	0.313	0.357	-14.1	144	0.02	5.93
44	t	2-Methylnaphthalene	0.620	0.606	2.3	126	0.00	6.07
45	t	1-Methylnaphthalene	0.727	0.712	2.1	127	0.01	6.19
46	t	Dimethylnaphthalene	0.654	0.641	2.0	127	0.01	6.82
47	I	Acenaphthene-d10	1.000	1.000	0.0	140	0.00	7.32
48	t	Hexachlorocyclopentadiene	0.297	0.310	-4.4	132	0.00	6.26
49	t	2,4,6-Trichlorophenol	0.342	0.367	-7.3	140	0.01	6.43
50	t	2,4,5-Trichlorophenol	0.385	0.399	-3.6	137	0.02	6.48
51	S	2-Fluorobiphenyl	1.255	1.186	5.5	129	0.01	6.52
52	t	2-Chloronaphthalene	1.113	1.071	3.8	132	0.00	6.65
53	t	Biphenyl	1.511	1.359	10.1	122	0.01	6.63
54	t	2-Nitroaniline	0.309	0.435	-40.8#	184	0.01	6.78
55	t	Dimethylphthalate	1.240	1.268	-2.3	142	0.00	7.01
56	t	Acenaphthylene	1.779	1.699	4.5	129	0.01	7.15
57	t	2,6-Dinitrotoluene	0.275	0.283	-2.9	132	0.01	7.08
58	t	3-Nitroaniline	0.345	0.330	4.3	121	0.02	7.28
59	t	Acenaphthene	1.114	0.996	10.6	123	0.01	7.36
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	50.000	43.478	13.0	124	0.02	7.42
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.143	0.239	-67.1#	212#	0.03	7.54
62	t	Dibenzofuran	1.538	1.462	4.9	130	0.01	7.57
63	t	2,4-Dinitrotoluene	0.354	0.385	-8.8	136	0.02	7.57
64		2,3,4,6-Tetrachlorophenol	0.296	0.292	1.4	125	0.02	7.74
65	t	Diethylphthalate	1.159	1.248	-7.7	145	0.01	7.87
66	t	Fluorene	1.227	1.194	2.7	131	0.01	7.99
67	t	4-Chlorophenyl-phenylethe	0.587	0.557	5.1	130	0.01	7.99
68	t	4-Nitroaniline	0.342	0.304	11.1	117	0.01	8.02
69	I	Phenanthrene-d10	1.000	1.000	0.0	122	0.02	9.15
70	t	4,6-Dinitro-2-methylpheno	0.138	0.141	-2.2	125	0.02	8.07
71	t	n-Nitrosodiphenylamine	0.534	0.587	-9.9	130	0.01	8.14
72	t	1,2-Diphenylhydrazine	0.773	1.056	-36.6#	163	0.01	8.18
73	S	2,4,6-Tribromophenol	0.091	0.095	-4.4	120	0.02	8.28
74	t	4-Bromophenyl-phenylether	0.215	0.216	-0.5	118	0.01	8.58
75	t	Hexachlorobenzene	0.218	0.203	6.9	109	0.02	8.67
76	t	Pentachlorophenol	0.126	0.118	6.3	97	0.02	8.93
77	t	Phenanthrene	1.128	1.030	8.7	110	0.02	9.18
78	t	Anthracene	1.140	1.069	6.2	109	0.02	9.24
79	t	Carbazole	1.091	1.042	4.5	111	0.02	9.46
80	t	Di-n-butylphthalate	1.217	1.286	-5.7	121	0.01	9.96
81	t	Fluoranthene	1.263	1.083	14.3	100	0.02	10.81
82	t	Octadecane	0.484	0.583	-20.5#	137	0.00	9.05
83	I	Chrysene-d12	1.000	1.000	0.0	112	0.03	12.95
84	t	Pyrene	1.367	1.280	6.4	102	0.02	11.13
85	S	Terphenyl-d14	0.850	0.801	5.8	102	0.02	11.39
86	t	Butylbenzylphthalate	0.561	0.616	-9.8	116	0.02	12.15
87		Butyl stearate	0.477	0.565	-18.4	121	0.01	12.29
88	t	Benzo[a]anthracene	1.153	1.113	3.5	107	0.03	12.94
89	t	3,3'-Dichlorobenzidine	0.424	0.427	-0.7	107	0.02	12.92
90	t	Chrysene	1.085	1.031	5.0	105	0.03	12.99
91	t	bis(2-Ethylhexyl)phthalat	0.725	0.860	-18.6	124	0.02	13.07
92	I	Perylene-d12	1.000	1.000	0.0	111	0.04	15.03
93	t	Di-n-octylphthalate	1.344	1.565	-16.4	115	0.02	14.03

8.7.65

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3698-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86828.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[b]fluoranthene	1.190	1.189	0.1	109	0.04	14.51
95	t	Benzo[k]fluoranthene	1.187	1.134	4.5	103	0.03	14.55
96	t	Benzo[a]pyrene	1.097	1.050	4.3	101	0.04	14.95
97	t	Indeno[1,2,3-cd]pyrene	1.250	1.279	-2.3	110	0.05	16.64
98	t	Dibenz(a,h)acridine	0.901	0.880	2.3	103	0.05	16.27
99	t	Dibenz[a,h]anthracene	1.021	1.008	1.3	105	0.05	16.68
100	t	7,12-Dimethylbenz(a)anthr	0.546	0.552	-1.1	106	0.03	14.51
101	t	Benzo[g,h,i]perylene	1.050	1.023	2.6	106	0.06	17.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86774.D MP3684.M Mon Jun 30 13:58:01 2014

8.7.65

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3698-CC3685
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86829.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3698\P86829.D Vial: 3
Acq On : 29 Jun 2014 1:06 pm Operator: ashleyd
Sample : cc3685-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
102 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	136	0.00	3.88
103	Benzaldehyde	1.291	1.043	19.2	113	-0.09	3.47
104 I	Phenanthrene-d10b	1.000	1.000	0.0	139	0.01	9.14
105	Atrazine	0.235	0.228	3.0	139	-0.08	8.81
106 I	Chrysene-d12b	1.000	1.000	0.0	109	0.02	12.94
107	Benzidine	0.896	0.612	31.7#	73	-0.09	11.01
108 I	Naphthalene-d8b	1.000	1.000	0.0	142	0.00	5.24
109	Hydroquinone	0.387	0.367	5.2	137	-0.05	5.74
110 I	Acenaphthene-d10b	1.000	1.000	0.0	158	0.00	7.32
111	1,2,4,5-Tetrachlorobenzen	0.698	0.526	24.6#	126	-0.08	6.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86774.D MP3684.M Mon Jun 30 13:58:02 2014

8.7.66

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3699-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86871.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EP3699\P86871.D Vial: 3
Acq On : 30 Jun 2014 2:09 pm Operator: harpreek
Sample : cc3684-50 Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 48% 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	135	-0.03	3.86
2	t	1,4-Dioxane	0.687	0.573	16.6	112	-0.03	1.78
3	t	Pyridine	1.731	1.546	10.7	120	-0.03	1.95
4	t	N-Nitrosodimethylamine	0.583	0.884	-51.6#	199	-0.03	1.92
5	S	2-Fluorophenol	1.526	1.362	10.7	118	-0.02	2.73
6	t	Indene	2.318	2.393	-3.2	151	-0.03	4.11
7	t	Cumene	3.517	3.706	-5.4	148	-0.03	3.13
8	S	Phenol-d5	1.857	1.892	-1.9	138	-0.02	3.50
9	t	Phenol	1.904	2.030	-6.6	149	-0.02	3.51
10	t	Aniline	2.378	2.354	1.0	139	-0.02	3.54
11	t	bis(2-Chloroethyl)ether	1.418	1.426	-0.6	143	-0.03	3.58
12	t	2-Chlorophenol	1.445	1.378	4.6	135	-0.03	3.66
13	t	Decane	1.364	1.545	-13.3	168	-0.03	3.69
14	t	1,3-Dichlorobenzene	1.631	1.568	3.9	136	-0.03	3.80
15	t	1,4-Dichlorobenzene	1.589	1.508	5.1	135	-0.03	3.87
16	t	Benzyl alcohol	0.970	1.010	-4.1	139	-0.02	3.98
17	t	1,2-Dichlorobenzene	1.499	1.415	5.6	137	-0.03	4.03
18	t	Acetophenone	1.866	2.234	-19.7	179	-0.03	4.26
19	t	2-Methylphenol	1.376	1.372	0.3	136	-0.02	4.10
20	t	2,2'-oxybis(1-Chloropropa	0.428	0.426	0.5	143	-0.03	4.12
21	t	3&4-Methylphenol	1.377	1.434	-4.1	145	-0.02	4.26
22		n-Nitroso-di-n-propylamin	0.887	1.202	-35.5#	202#	-0.02	4.26
23	t	Hexachloroethane	0.572	0.608	-6.3	146	-0.03	4.37
24	I	Naphthalene-d8	1.000	1.000	0.0	144	-0.03	5.21
25	S	Nitrobenzene-d5	0.381	0.462	-21.3#	176	-0.03	4.42
26	t	Nitrobenzene	0.394	0.478	-21.3#	182	-0.02	4.44
27	t	Quinoline	0.773	0.722	6.6	137	-0.02	5.62
28	t	Isophorone	0.721	0.802	-11.2	164	-0.02	4.69
29	t	2-Nitrophenol	0.206	0.207	-0.5	140	-0.03	4.79
30	t	2,4-Dimethylphenol	0.347	0.389	-12.1	159	-0.02	4.84
31	t	Benzoic acid	0.268	0.308	-14.9	156	0.01	4.97
32	t	bis(2-Chloroethoxy)methan	0.431	0.444	-3.0	155	-0.03	4.93
33	t	2,4-Dichlorophenol	0.314	0.308	1.9	140	-0.02	5.06
34		2,6-Dichlorophenol	0.297	0.295	0.7	147	-0.02	5.31
35		1,3,5-Trichlorobenzene	0.372	0.341	8.3	141	-0.03	4.80
36	t	1,2,4-Trichlorobenzene	0.357	0.330	7.6	141	-0.02	5.15
37		1,2,3-Trichlorobenzene	0.339	0.320	5.6	145	-0.03	5.40
38	t	Naphthalene	1.072	0.971	9.4	140	-0.03	5.23
39	t	4-Chloroaniline	0.457	0.454	0.7	146	-0.02	5.30
40	t	2,3-Dichloroaniline	0.381	0.384	-0.8	154	-0.03	6.38
41	t	Caprolactam	0.164	0.199	-21.3#	171	0.00	5.70

8.7.67

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3699-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86871.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

42	t	Hexachlorobutadiene	0.182	0.207	-13.7	168	-0.03	5.39
43	t	4-Chloro-3-methylphenol	0.313	0.368	-17.6	164	-0.02	5.90
44	t	2-Methylnaphthalene	0.620	0.605	2.4	147	-0.03	6.04
45	t	1-Methylnaphthalene	0.727	0.690	5.1	144	-0.02	6.16
46	t	Dimethylnaphthalene	0.654	0.612	6.4	141	-0.02	6.79
47	I	Acenaphthene-d10	1.000	1.000	0.0	143	-0.03	7.29
48	t	Hexachlorocyclopentadiene	0.297	0.370	-24.6#	166	-0.03	6.24
49	t	2,4,6-Trichlorophenol	0.342	0.372	-8.8	154	-0.02	6.39
50	t	2,4,5-Trichlorophenol	0.385	0.413	-7.3	149	-0.02	6.44
51	S	2-Fluorobiphenyl	1.255	1.219	2.9	148	-0.02	6.48
52	t	2-Chloronaphthalene	1.113	1.119	-0.5	155	-0.03	6.62
53	t	Biphenyl	1.511	1.435	5.0	146	-0.02	6.60
54	t	2-Nitroaniline	0.309	0.472	-52.8#	209#	-0.02	6.75
55	t	Dimethylphthalate	1.240	1.335	-7.7	158	-0.02	6.98
56	t	Acenaphthylene	1.779	1.744	2.0	146	-0.02	7.11
57	t	2,6-Dinitrotoluene	0.275	0.312	-13.5	153	-0.02	7.04
58	t	3-Nitroaniline	0.345	0.356	-3.2	139	-0.02	7.25
59	t	Acenaphthene	1.114	1.061	4.8	146	-0.02	7.33
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	93.827	6.2	130	-0.02	7.38
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.143	0.280	-95.8#	251#	-0.01	7.50
62	t	Dibenzofuran	1.538	1.559	-1.4	157	-0.02	7.54
63	t	2,4-Dinitrotoluene	0.354	0.414	-16.9	159	-0.02	7.54
64		2,3,4,6-Tetrachlorophenol	0.296	0.338	-14.2	147	-0.02	7.70
65	t	Diethylphthalate	1.159	1.365	-17.8	172	-0.02	7.84
66	t	Fluorene	1.227	1.329	-8.3	165	-0.02	7.95
67	t	4-Chlorophenyl-phenylethe	0.587	0.610	-3.9	163	-0.02	7.96
68	t	4-Nitroaniline	0.342	0.336	1.8	133	-0.02	7.99
69	I	Phenanthrene-d10	1.000	1.000	0.0	142	-0.02	9.11
70	t	4,6-Dinitro-2-methylpheno	0.138	0.147	-6.5	141	-0.01	8.04
71	t	n-Nitrosodiphenylamine	0.534	0.565	-5.8	155	-0.02	8.11
72	t	1,2-Diphenylhydrazine	0.773	1.022	-32.2#	200#	-0.02	8.15
73	S	2,4,6-Tribromophenol	0.091	0.095	-4.4	142	-0.02	8.25
74	t	4-Bromophenyl-phenylether	0.215	0.219	-1.9	146	-0.02	8.55
75	t	Hexachlorobenzene	0.218	0.213	2.3	143	-0.02	8.63
76	t	Pentachlorophenol	0.126	0.139	-10.3	137	-0.02	8.89
77	t	Phenanthrene	1.128	1.094	3.0	148	-0.02	9.14
78	t	Anthracene	1.140	1.153	-1.1	150	-0.02	9.21
79	t	Carbazole	1.091	1.139	-4.4	152	-0.02	9.43
80	t	Di-n-butylphthalate	1.217	1.428	-17.3	165	-0.02	9.93
81	t	Fluoranthene	1.263	1.309	-3.6	149	-0.02	10.76
82	t	Octadecane	0.484	0.596	-23.1#	179	-0.03	9.02
83	I	Chrysene-d12	1.000	1.000	0.0	140	-0.02	12.91
84	t	Pyrene	1.367	1.456	-6.5	150	-0.02	11.08
85	S	Terphenyl-d14	0.850	0.957	-12.6	155	-0.02	11.35
86	t	Butylbenzylphthalate	0.561	0.738	-31.6#	169	-0.02	12.11
87		Butyl stearate	0.477	0.646	-35.4#	185	-0.02	12.26
88	t	Benzo[a]anthracene	1.153	1.303	-13.0	165	-0.02	12.89
89	t	3,3'-Dichlorobenzidine	0.424	0.513	-21.0#	166	-0.02	12.88
90	t	Chrysene	1.085	1.109	-2.2	145	-0.02	12.95
91	t	bis(2-Ethylhexyl)phthalat	0.725	0.931	-28.4#	166	-0.02	13.03
92	I	Perylene-d12	1.000	1.000	0.0	122	-0.02	14.98
93	t	Di-n-octylphthalate	1.344	1.862	-38.5#	152	-0.02	14.00

8.7.67

8

Continuing Calibration Summary

Job Number: JB69926 **Sample:** EP3699-CC3684
Account: LANGAN Langan Engineering & Environmental **Lab FileID:** P86871.D
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

94	t	Benzo[b]fluoranthene	1.190	1.433	-20.4#	151	-0.01	14.47
95	t	Benzo[k]fluoranthene	1.187	1.287	-8.4	140	-0.01	14.51
96	t	Benzo[a]pyrene	1.097	1.244	-13.4	136	-0.01	14.90
97	t	Indeno[1,2,3-cd]pyrene	1.250	1.334	-6.7	128	-0.01	16.58
98	t	Dibenz(a,h)acridine	0.901	0.959	-6.4	123	-0.01	16.20
99	t	Dibenz[a,h]anthracene	1.021	1.042	-2.1	122	-0.01	16.61
100	t	7,12-Dimethylbenz(a)anthr	0.546	0.709	-29.9#	159	-0.01	14.47
101	t	Benzo[g,h,i]perylene	1.050	1.068	-1.7	124	0.00	17.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P86534.D MP3684.M Wed Jul 02 10:32:02 2014

8.7.67

8

New Jersey ACCUTEST LABORATORIES

GC/MS Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33600.D
Acq On : 9 Jul 2014 9:30 pm
Operator : samtap
Sample : jb69926-1
Misc : op75897,e3p1436,33.4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 10 13:15:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:25:56 2014
Response via : Initial Calibration

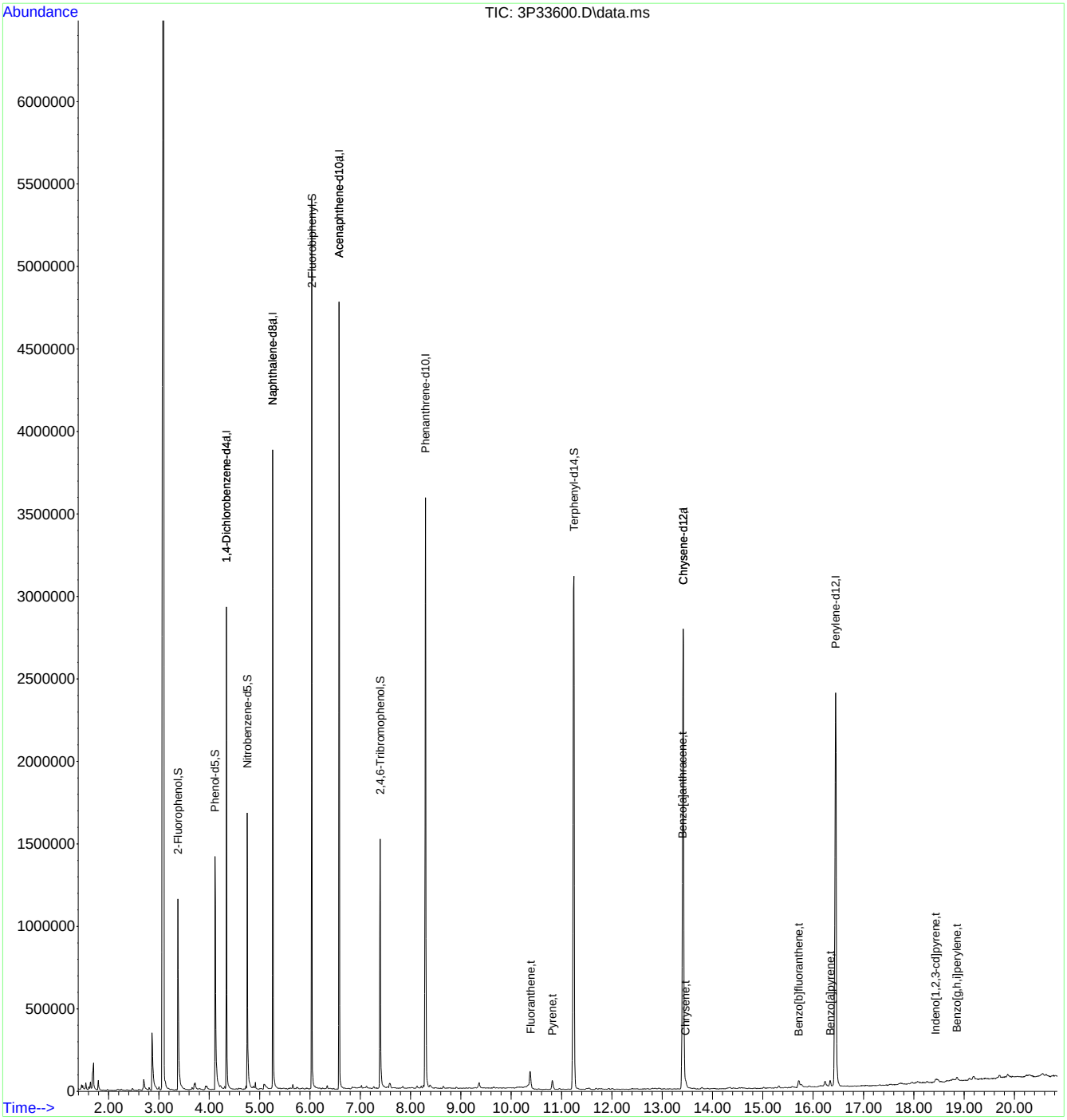
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.339	152	341419	40.00	ppb	0.00
24) Naphthalene-d8	5.259	136	1291242	40.00	ppb	-0.05
47) Acenaphthene-d10	6.580	164	859962	40.00	ppb	-0.07
69) Phenanthrene-d10	8.297	188	1614390	40.00	ppb	-0.11
83) Chrysene-d12	13.416	240	1937009	40.00	ppb	-0.16
91) Perylene-d12	16.449	264	1717897	40.00	ppb	-0.16
101) 1,4-Dichlorobenzene-d4a	4.339	152	341419	40.00	ppb	-0.06
103) Acenaphthene-d10a	6.580	164	859962	40.00	ppb	-0.07
106) Chrysene-d12a	13.416	240	1937009	40.00	ppb	-0.03
108) Naphthalene-d8a	5.259	136	1291242	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.376	112	352647	37.95	ppb	-0.06
Spiked Amount 50.000			Recovery = 75.90%			
8) Phenol-d5	4.115	99	481365	44.36	ppb	-0.05
Spiked Amount 50.000			Recovery = 88.72%			
25) Nitrobenzene-d5	4.751	82	480344	42.47	ppb	-0.05
Spiked Amount 50.000			Recovery = 84.94%			
51) 2-Fluorobiphenyl	6.035	172	1161114	42.79	ppb	-0.06
Spiked Amount 50.000			Recovery = 85.58%			
73) 2,4,6-Tribromophenol	7.393	330	200096	41.74	ppb	-0.09
Spiked Amount 50.000			Recovery = 83.48%			
85) Terphenyl-d14	11.244	244	1881316	48.82	ppb	-0.13
Spiked Amount 50.000			Recovery = 97.64%			
Target Compounds						Qvalue
81) Fluoranthene	10.389	202	33815	0.69	ppb	97
84) Pyrene	10.816	202	34804	0.66	ppb	91
87) Benzo[a]anthracene	13.400	228	30862	0.58	ppb	98
89) Chrysene	13.464	228	26619	0.58	ppb	93
93) Benzo[b]fluoranthene	15.710	252	38612	0.75	ppb	96
95) Benzo[a]pyrene	16.342	252	26078	0.57	ppb	94
96) Indeno[1,2,3-cd]pyrene	18.433	276	18493	0.40	ppb	99
100) Benzo[g,h,i]perylene	18.855	276	19967	0.47	ppb	94

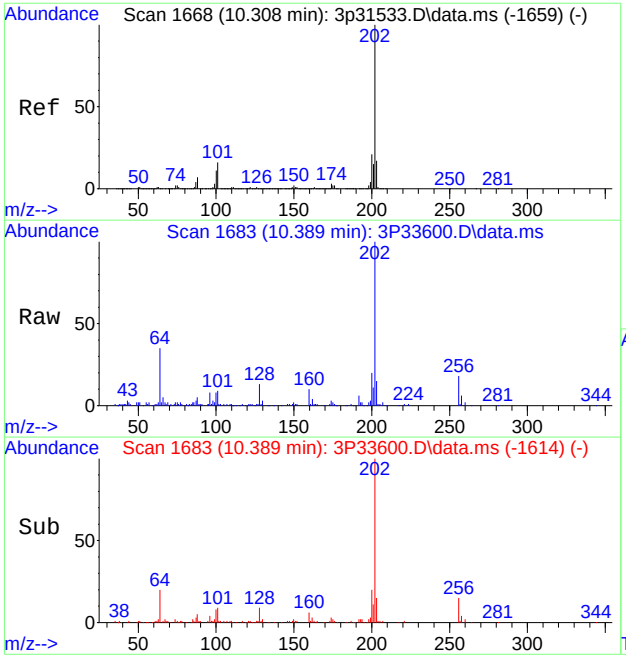
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33600.D
Acq On : 9 Jul 2014 9:30 pm
Operator : samtap
Sample : jb69926-1
Misc : op75897,e3p1436,33.4
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 10 13:15:31 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:25:56 2014
Response via : Initial Calibration

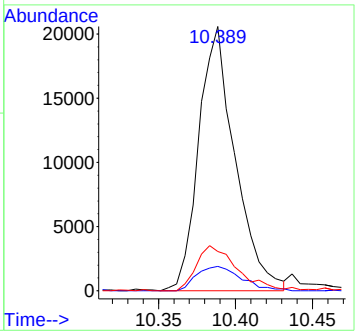


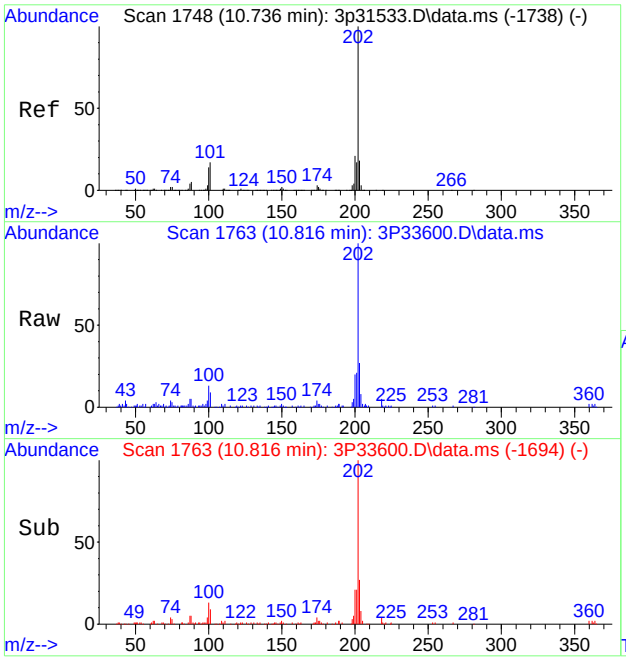


#81
Fluoranthene
Concen: 0.69 ppb
RT: 10.389 min Scan# 1683
Delta R.T. -0.129 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:202 Resp: 33815

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	40.0
203	14.8	0.0	47.2

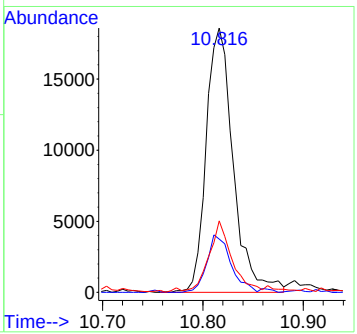


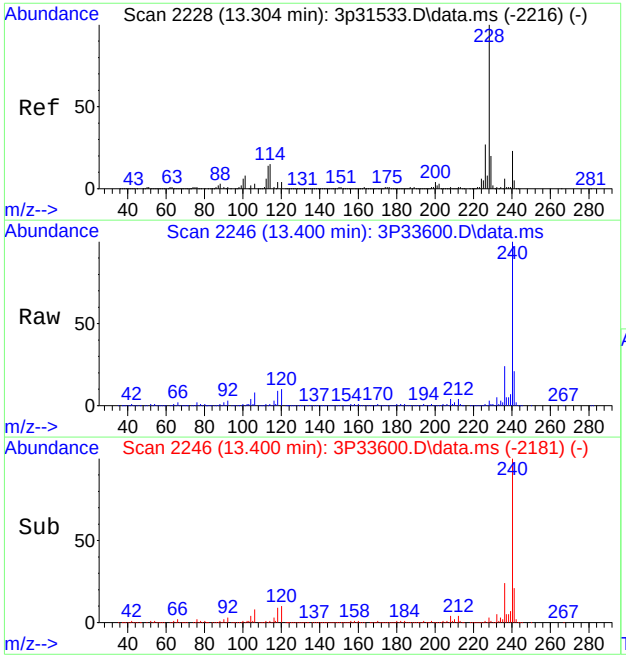


#84
Pyrene
Concen: 0.66 ppb
RT: 10.816 min Scan# 1763
Delta R.T. -0.129 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:202 Resp: 34804

Ion	Ratio	Lower	Upper
202	100		
200	20.1	0.0	50.4
203	26.3	0.0	48.1

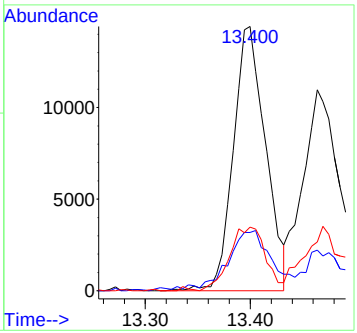


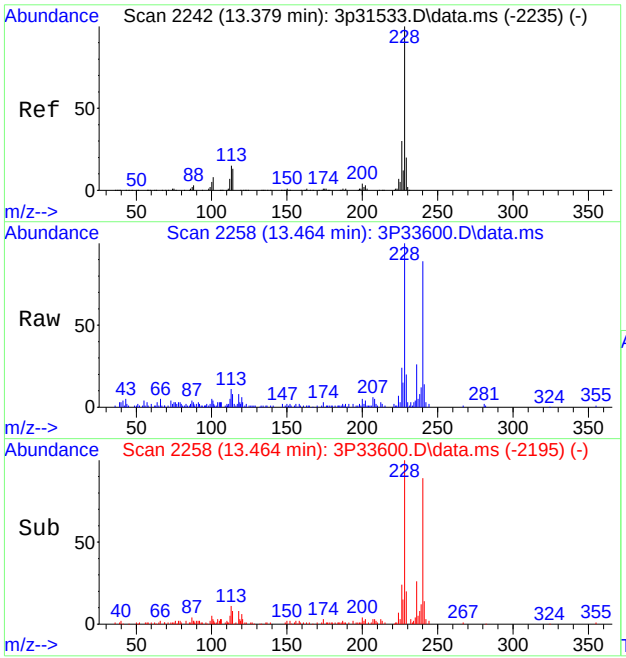


#87
Benzo[a]anthracene
Concen: 0.58 ppb
RT: 13.400 min Scan# 2246
Delta R.T. -0.150 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:228 Resp: 30862

Ion	Ratio	Lower	Upper
228	100		
229	20.1	0.0	49.5
226	24.7	0.0	56.0

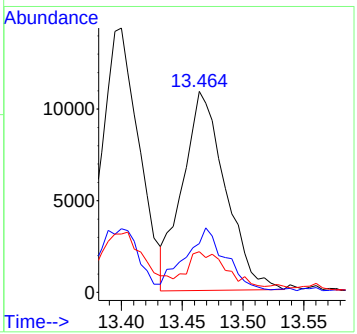


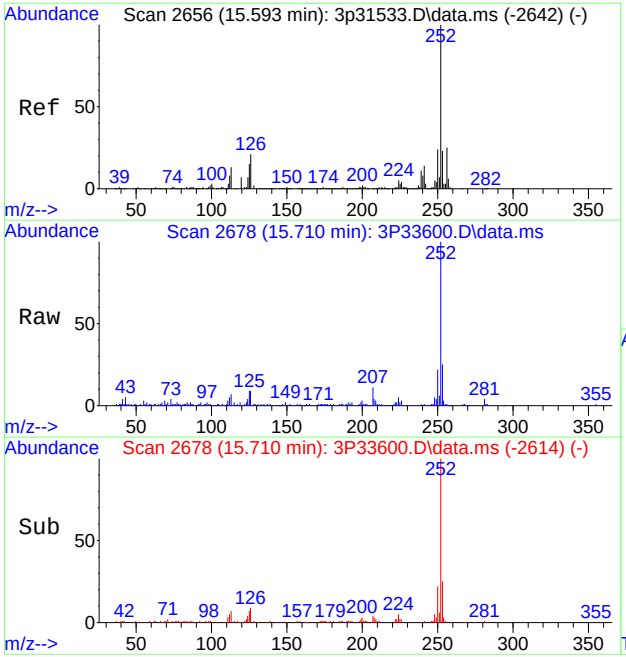


#89
Chrysene
Concen: 0.58 ppb
RT: 13.464 min Scan# 2258
Delta R.T. -0.161 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:228 Resp: 26619

Ion	Ratio	Lower	Upper
228	100		
226	24.2	0.0	58.2
229	16.5	0.0	49.3

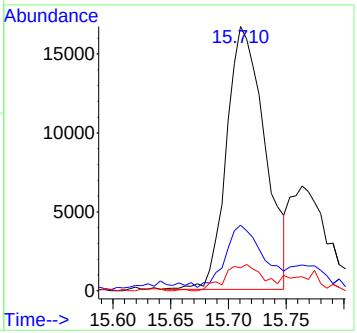


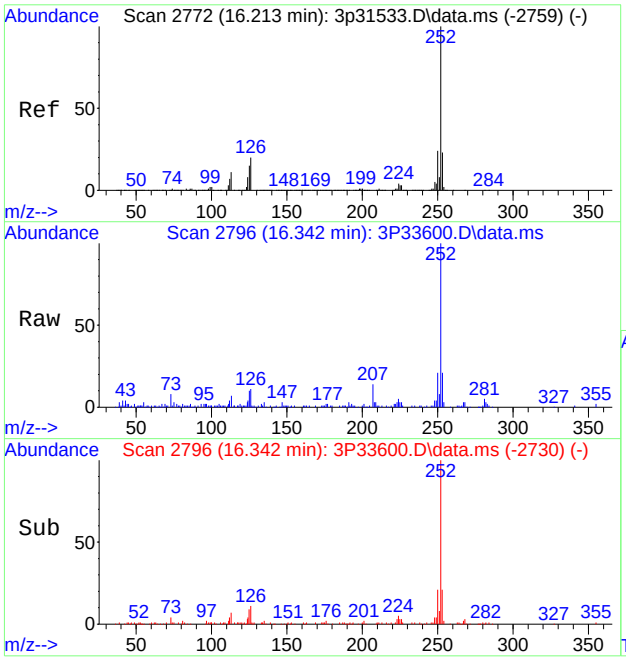


#93
Benzo[b]fluoranthene
Concen: 0.75 ppb
RT: 15.710 min Scan# 2678
Delta R.T. -0.155 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:252 Resp: 38612

Ion	Ratio	Lower	Upper
252	100		
253	22.6	0.0	53.7
125	6.4	0.0	39.6

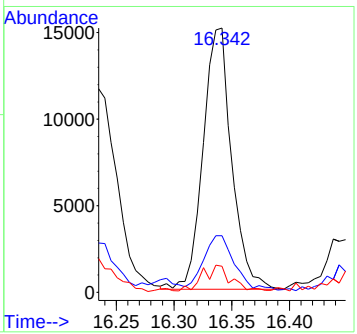


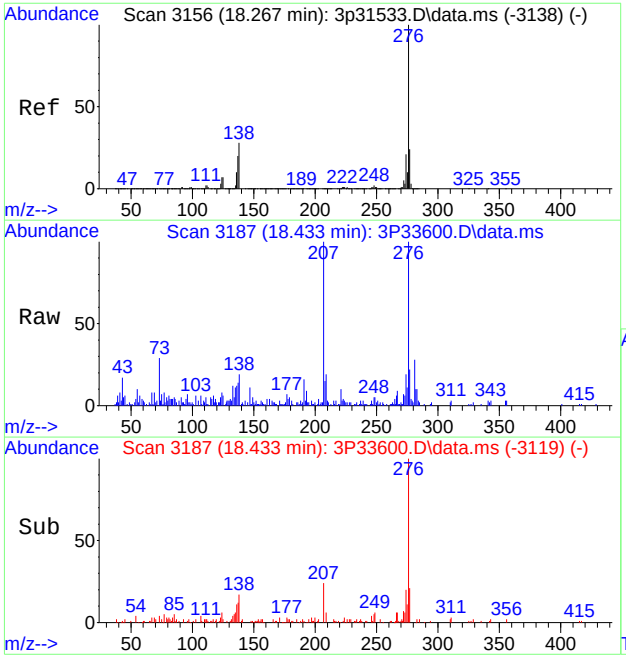


#95
Benzo[a]pyrene
Concen: 0.57 ppb
RT: 16.342 min Scan# 2796
Delta R.T. -0.145 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:252 Resp: 26078

Ion	Ratio	Lower	Upper
252	100		
253	18.8	0.0	52.2
125	8.7	0.0	40.0

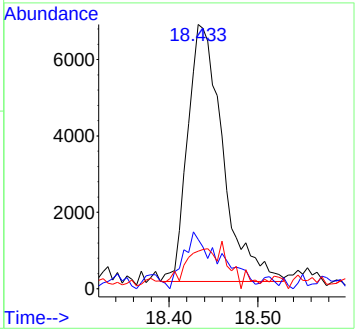


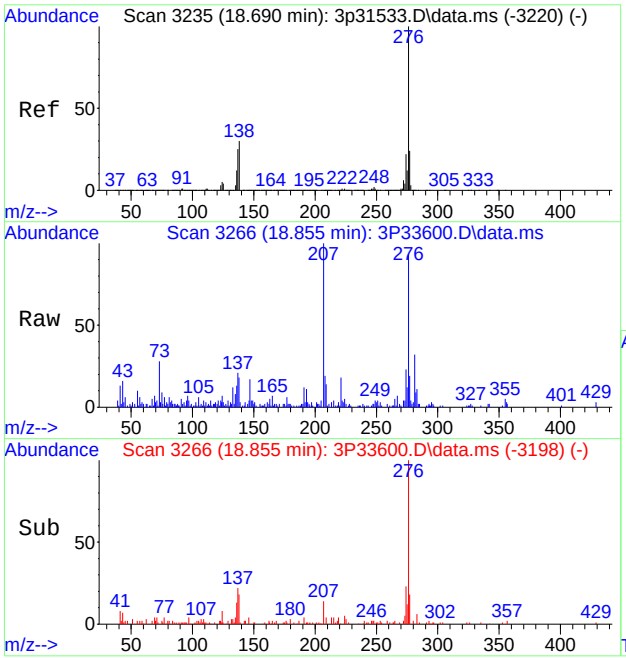


#96
Indeno[1,2,3-cd]pyrene
Concen: 0.40 ppb
RT: 18.433 min Scan# 3187
Delta R.T. -0.134 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:276 Resp: 18493

Ion	Ratio	Lower	Upper
276	100		
138	15.5	0.0	45.3
137	10.4	0.0	40.8

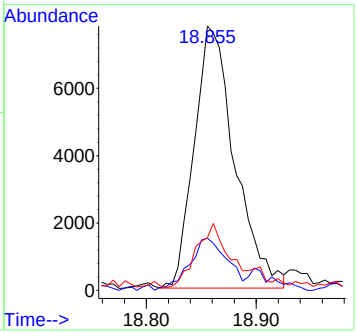




#100
Benzo[g,h,i]perylene
Concen: 0.47 ppb
RT: 18.855 min Scan# 3266
Delta R.T. -0.134 min
Lab File: 3P33600.D
Acq: 9 Jul 2014 9:30 pm

Tgt Ion:276 Resp: 19967

Ion	Ratio	Lower	Upper
276	100		
138	18.7	0.0	49.4
277	18.3	0.0	53.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33712.D
Acq On : 11 Jul 2014 8:22 pm
Operator : francism
Sample : jb69926-2
Misc : op75897,e3p1441,32.5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 11 21:39:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

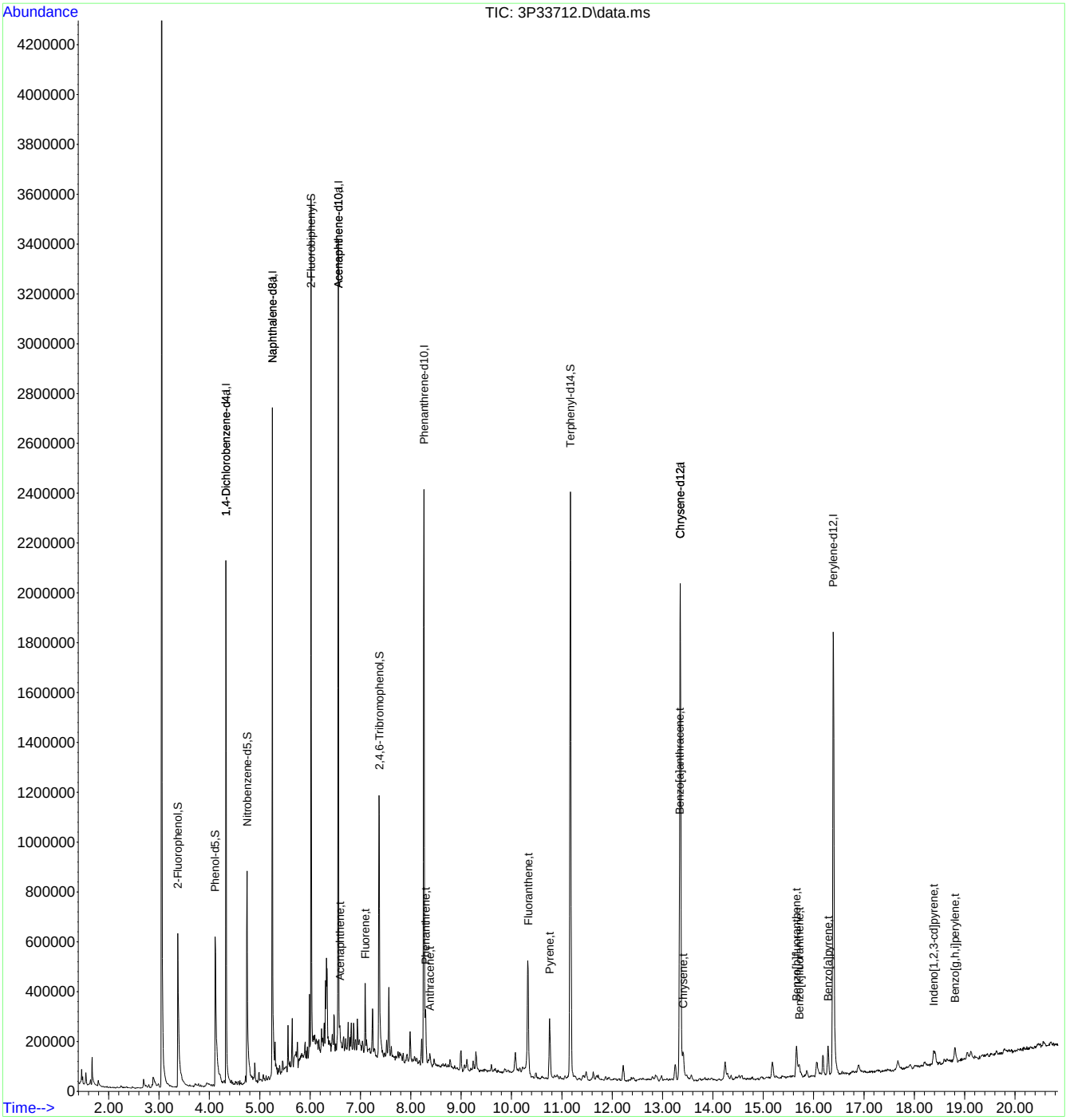
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	268015	40.00	ppb	-0.01
24) Naphthalene-d8	5.249	136	951089	40.00	ppb	-0.01
47) Acenaphthene-d10	6.559	164	582085	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	1075599	40.00	ppb	-0.03
83) Chrysene-d12	13.352	240	1332782	40.00	ppb	-0.03
91) Perylene-d12	16.390	264	1279703	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	268015	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.559	164	582085	40.00	ppb	-0.02
106) Chrysene-d12a	13.352	240	1332782	40.00	ppb	-0.03
108) Naphthalene-d8a	5.249	136	951089	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.371	112	283005	38.79	ppb	-0.01
Spiked Amount 50.000			Recovery = 77.58%			
8) Phenol-d5	4.115	99	355019	41.67	ppb	0.00
Spiked Amount 50.000			Recovery = 83.34%			
25) Nitrobenzene-d5	4.746	82	367370	44.10	ppb	0.00
Spiked Amount 50.000			Recovery = 88.20%			
51) 2-Fluorobiphenyl	6.019	172	817152	44.49	ppb	-0.02
Spiked Amount 50.000			Recovery = 88.98%			
73) 2,4,6-Tribromophenol	7.372	330	166455	52.12	ppb	-0.02
Spiked Amount 50.000			Recovery = 104.24%			
85) Terphenyl-d14	11.170	244	1282439	48.37	ppb	-0.03
Spiked Amount 50.000			Recovery = 96.74%			
Target Compounds						Qvalue
59) Acenaphthene	6.591	153	7977	0.54	ppb	95
66) Fluorene	7.099	166	10042	0.55	ppb	80
77) Phenanthrene	8.292	178	102490	3.91	ppb	96
78) Anthracene	8.383	178	23504	0.90	ppb	92
81) Fluoranthene	10.330	202	169976	5.23	ppb	96
84) Pyrene	10.758	202	164809	4.55	ppb	95
87) Benzo[a]anthracene	13.336	228	88606	2.42	ppb	98
89) Chrysene	13.411	228	89993	2.86	ppb	95
93) Benzo[b]fluoranthene	15.662	252	106698	2.78	ppb	91
94) Benzo[k]fluoranthene	15.716	252	43055	1.16	ppb	94
95) Benzo[a]pyrene	16.288	252	83003	2.44	ppb	96
96) Indeno[1,2,3-cd]pyrene	18.385	276	48429	1.40	ppb	90
100) Benzo[g,h,i]perylene	18.807	276	54368	1.73	ppb	93

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

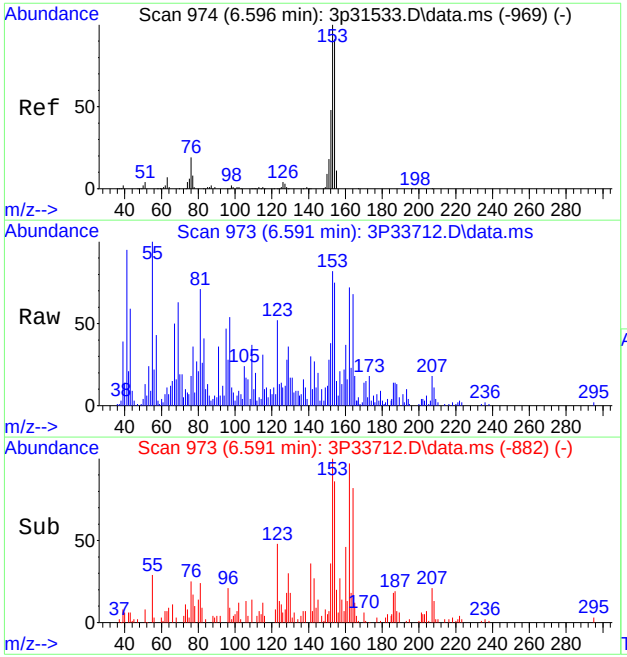
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33712.D
Acq On : 11 Jul 2014 8:22 pm
Operator : francism
Sample : jb69926-2
Misc : op75897,e3p1441,32.5
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 11 21:39:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration



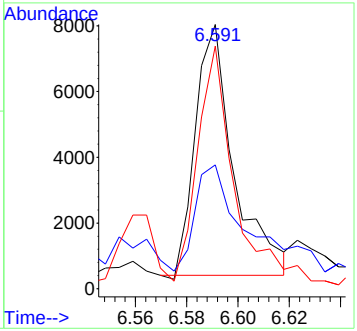
M3P1427.M Fri Jul 11 21:39:04 2014 RPT1 Page: 2

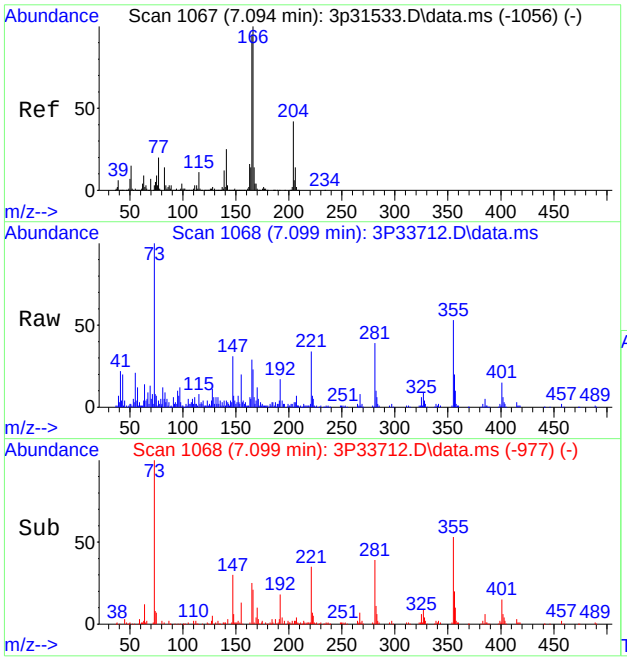


#59
Acenaphthene
Concen: 0.54 ppb
RT: 6.591 min Scan# 973
Delta R.T. -0.016 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:153 Resp: 7977

Ion	Ratio	Lower	Upper
153	100		
152	37.5	16.5	76.5
154	93.0	61.8	121.8

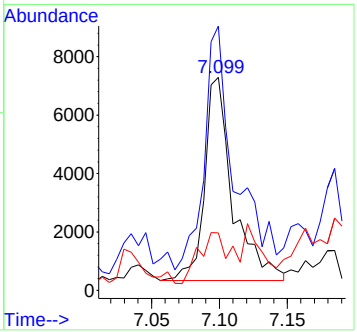


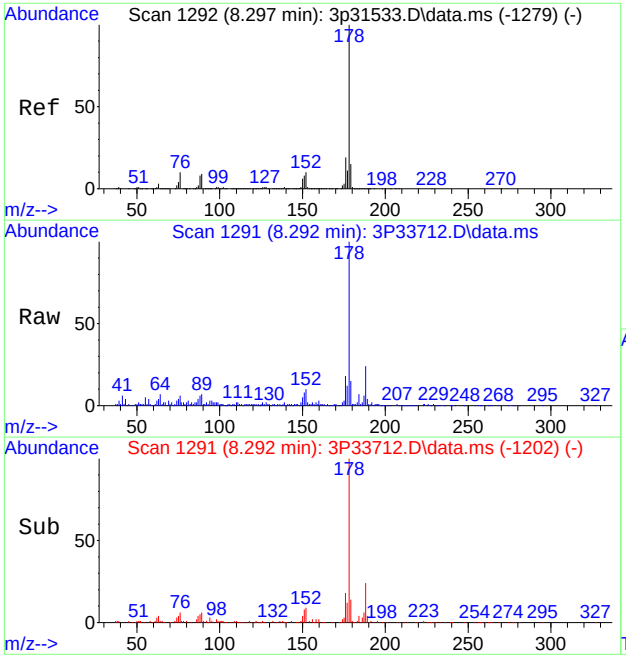


#66
Fluorene
Concen: 0.55 ppb
RT: 7.099 min Scan# 1068
Delta R.T. -0.016 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:166 Resp: 10042

Ion	Ratio	Lower	Upper
166	100		
165	114.0	63.3	123.3
167	17.7	0.0	43.2

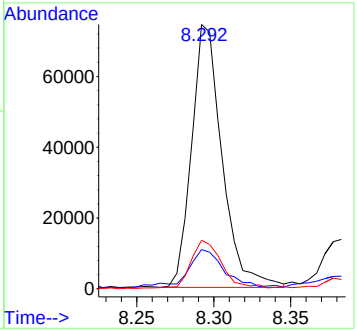


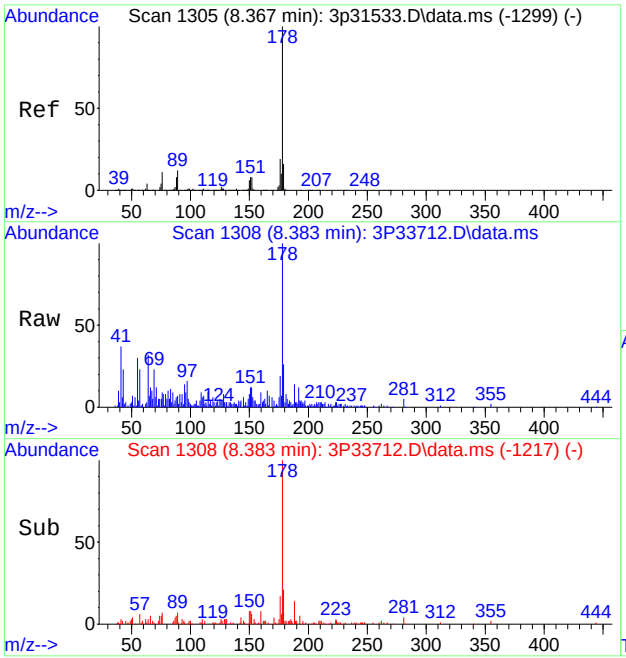


#77
Phenanthrene
Concen: 3.91 ppb
RT: 8.292 min Scan# 1291
Delta R.T. -0.027 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:178 Resp: 102490

Ion	Ratio	Lower	Upper
178	100		
179	13.6	0.0	45.8
176	17.9	0.0	49.0

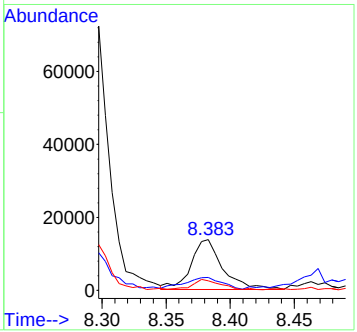


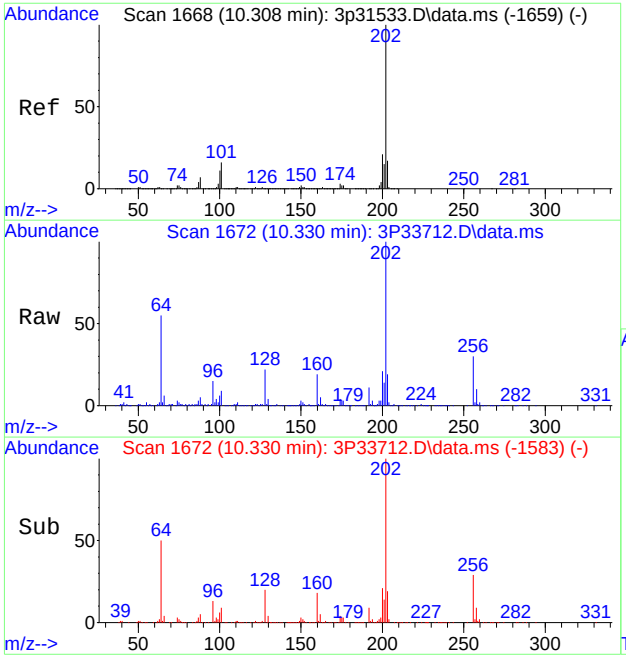


#78
Anthracene
Concen: 0.90 ppb
RT: 8.383 min Scan# 1308
Delta R.T. -0.016 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:178 Resp: 23504

Ion	Ratio	Lower	Upper
178	100		
179	18.8	0.0	44.8
176	15.7	0.0	48.8

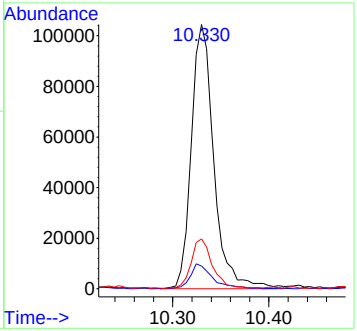


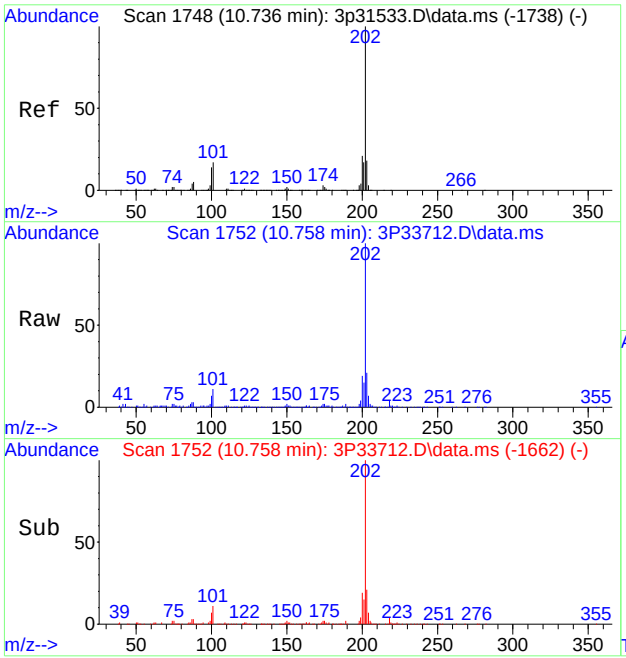


#81
Fluoranthene
Concen: 5.23 ppb
RT: 10.330 min Scan# 1672
Delta R.T. -0.027 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:202 Resp: 169976

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	40.0
203	18.7	0.0	47.2

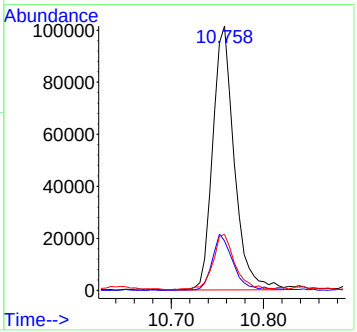


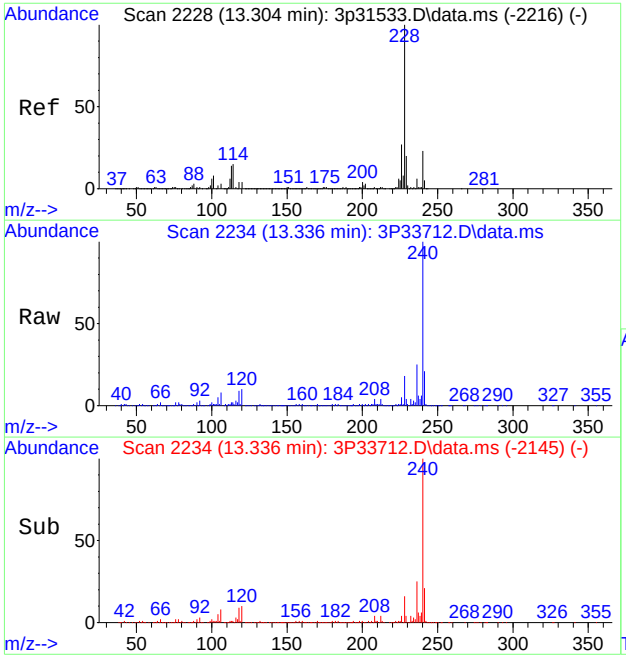


#84
Pyrene
Concen: 4.55 ppb
RT: 10.758 min Scan# 1752
Delta R.T. -0.021 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:202 Resp: 164809

Ion	Ratio	Lower	Upper
202	100		
200	18.6	0.0	50.4
203	20.5	0.0	48.1

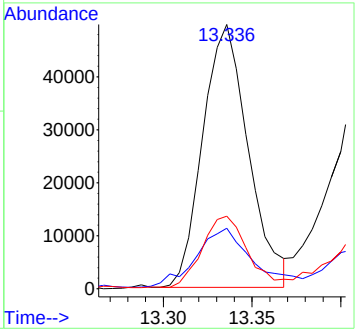


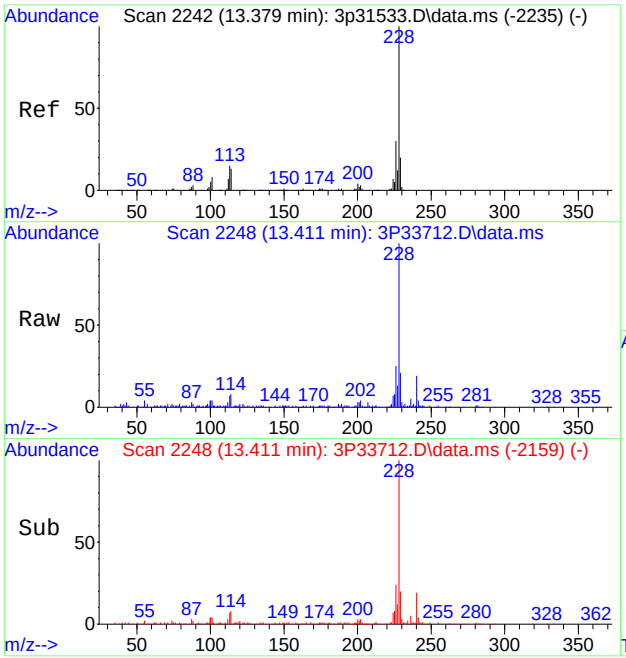


#87
Benzo[a]anthracene
Concen: 2.42 ppb
RT: 13.336 min Scan# 2234
Delta R.T. -0.027 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:228 Resp: 88606

Ion	Ratio	Lower	Upper
228	100		
229	20.4	0.0	49.5
226	27.0	0.0	56.0

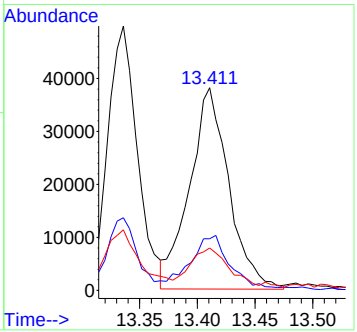


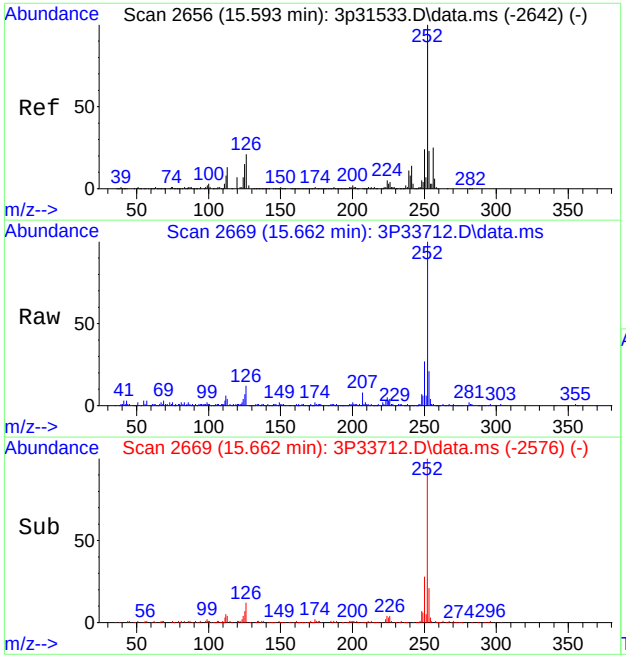


#89
Chrysene
Concen: 2.86 ppb
RT: 13.411 min Scan# 2248
Delta R.T. -0.027 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:228 Resp: 89993

Ion	Ratio	Lower	Upper
228	100		
226	24.5	0.0	58.2
229	18.3	0.0	49.3

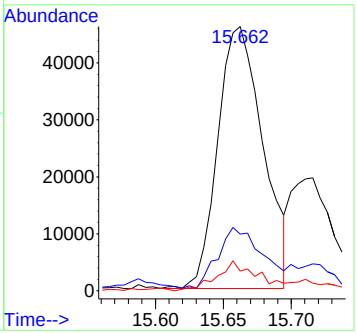


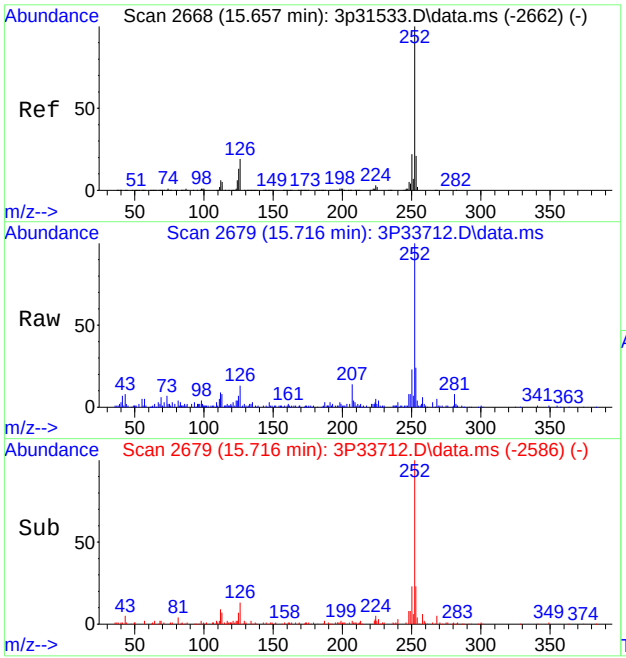


#93
Benzo[b]fluoranthene
Concen: 2.78 ppb
RT: 15.662 min Scan# 2669
Delta R.T. -0.005 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:252 Resp: 106698

Ion	Ratio	Lower	Upper
252	100		
253	19.3	0.0	53.7
125	6.4	0.0	39.6

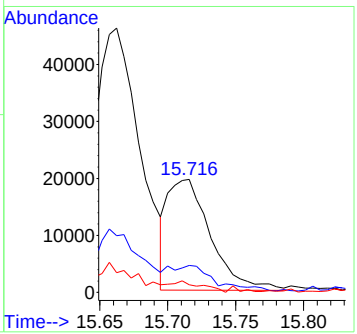


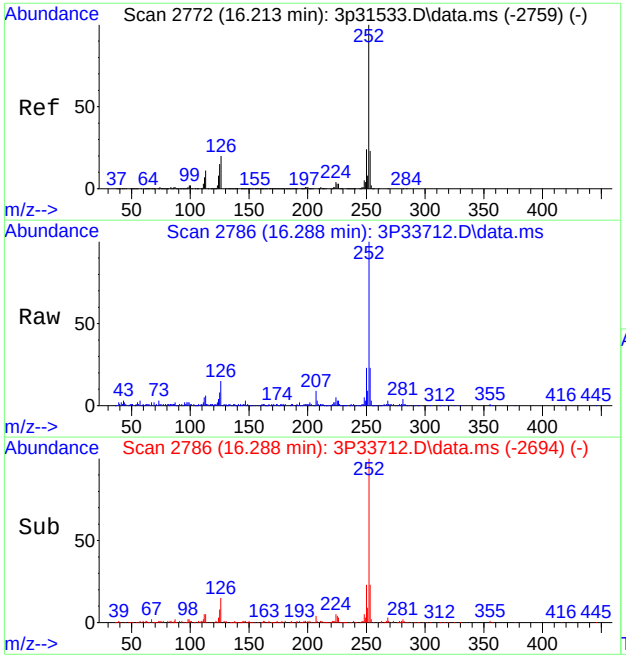


#94
Benzo[k]fluoranthene
Concen: 1.16 ppb
RT: 15.716 min Scan# 2679
Delta R.T. -0.005 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:252 Resp: 43055

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	52.4
125	4.4	0.0	38.8

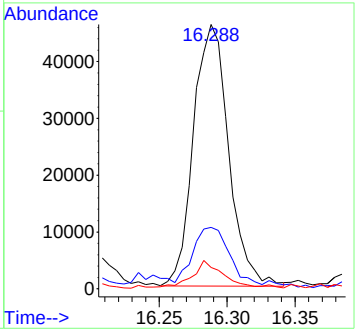


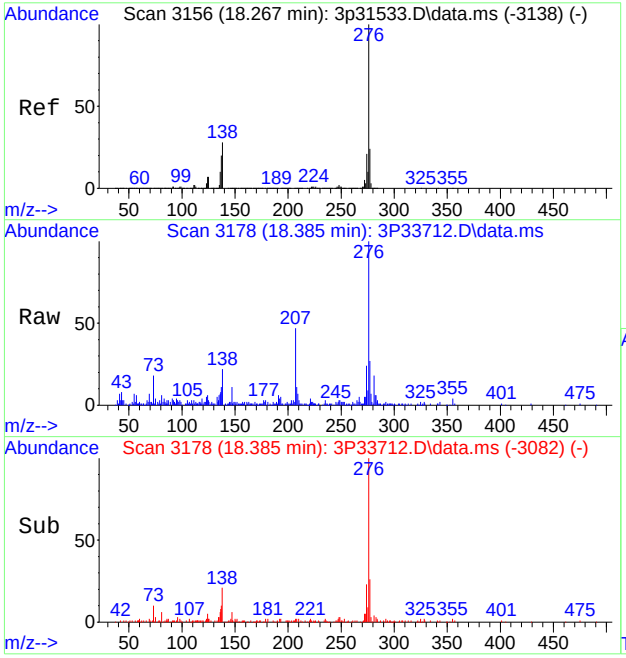


#95
Benzo[a]pyrene
Concen: 2.44 ppb
RT: 16.288 min Scan# 2786
Delta R.T. -0.011 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:252 Resp: 83003

Ion	Ratio	Lower	Upper
252	100		
253	20.9	0.0	52.2
125	7.6	0.0	40.0

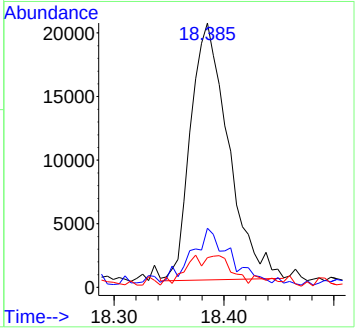


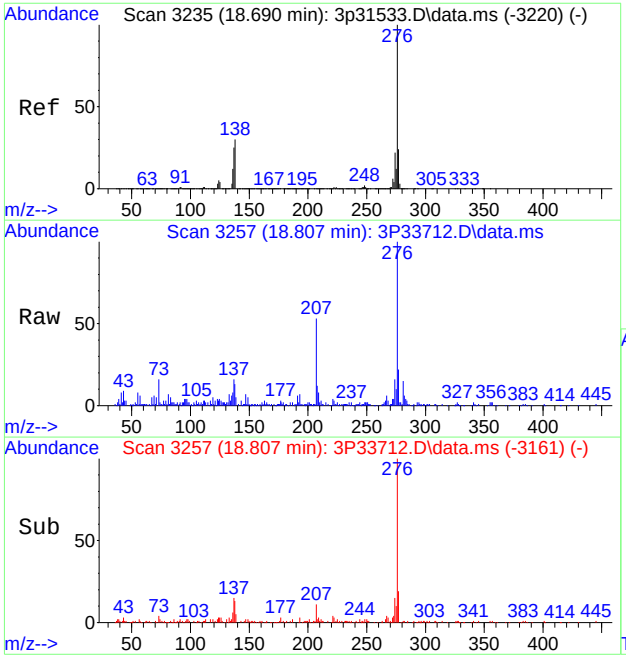


#96
Indeno[1,2,3-cd]pyrene
Concen: 1.40 ppb
RT: 18.385 min Scan# 3178
Delta R.T. 0.011 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:276 Resp: 48429

Ion	Ratio	Lower	Upper
276	100		
138	21.3	0.0	45.3
137	9.1	0.0	40.8

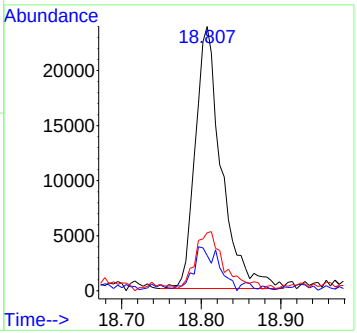




#100
Benzo[g,h,i]perylene
Concen: 1.73 ppb
RT: 18.807 min Scan# 3257
Delta R.T. 0.011 min
Lab File: 3P33712.D
Acq: 11 Jul 2014 8:22 pm

Tgt Ion:276 Resp: 54368

Ion	Ratio	Lower	Upper
276	100		
138	16.3	0.0	49.4
277	19.9	0.0	53.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33713.D
Acq On : 11 Jul 2014 8:48 pm
Operator : francism
Sample : jb69926-3
Misc : op75897,e3p1441,31.3
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 11 21:39:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

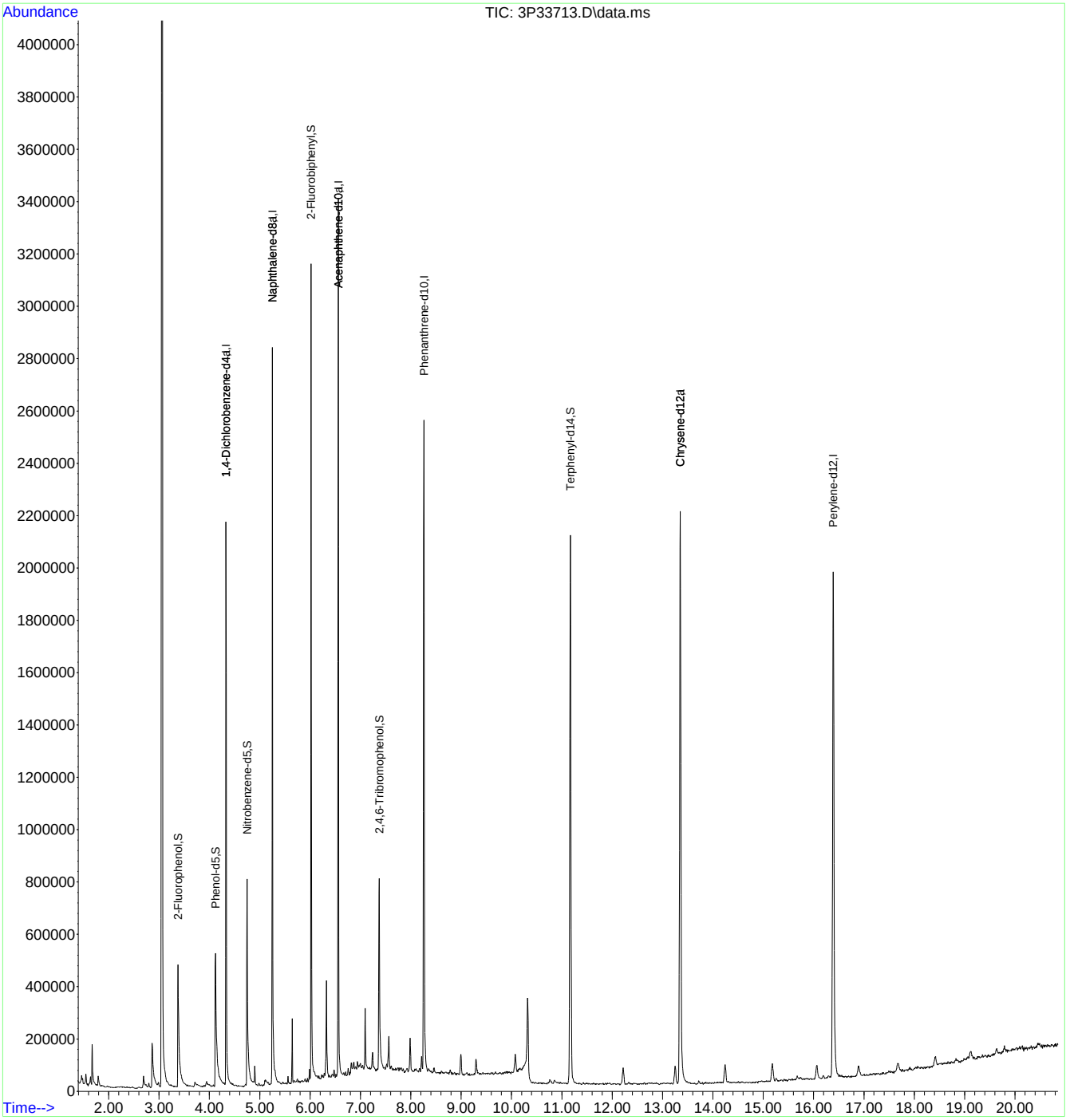
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	272142	40.00	ppb	-0.01
24) Naphthalene-d8	5.248	136	992391	40.00	ppb	-0.01
47) Acenaphthene-d10	6.559	164	618844	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	1155541	40.00	ppb	-0.03
83) Chrysene-d12	13.352	240	1480790	40.00	ppb	-0.03
91) Perylene-d12	16.390	264	1394589	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	272142	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.559	164	618844	40.00	ppb	-0.02
106) Chrysene-d12a	13.352	240	1480790	40.00	ppb	-0.03
108) Naphthalene-d8a	5.248	136	992391	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.376	112	231387	31.24	ppb	0.00
Spiked Amount 50.000			Recovery = 62.48%			
8) Phenol-d5	4.120	99	331104	38.28	ppb	0.00
Spiked Amount 50.000			Recovery = 76.56%			
25) Nitrobenzene-d5	4.746	82	340077	39.12	ppb	0.00
Spiked Amount 50.000			Recovery = 78.24%			
51) 2-Fluorobiphenyl	6.019	172	786451	40.27	ppb	-0.02
Spiked Amount 50.000			Recovery = 80.54%			
73) 2,4,6-Tribromophenol	7.372	330	122936	35.83	ppb	-0.02
Spiked Amount 50.000			Recovery = 71.66%			
85) Terphenyl-d14	11.169	244	1160062	39.38	ppb	-0.03
Spiked Amount 50.000			Recovery = 78.76%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33713.D
Acq On : 11 Jul 2014 8:48 pm
Operator : francism
Sample : jb69926-3
Misc : op75897,e3p1441,31.3
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 11 21:39:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33714.D
Acq On : 11 Jul 2014 9:13 pm
Operator : francism
Sample : jb69926-4
Misc : op75897,e3p1441,30.5
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 11 21:40:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

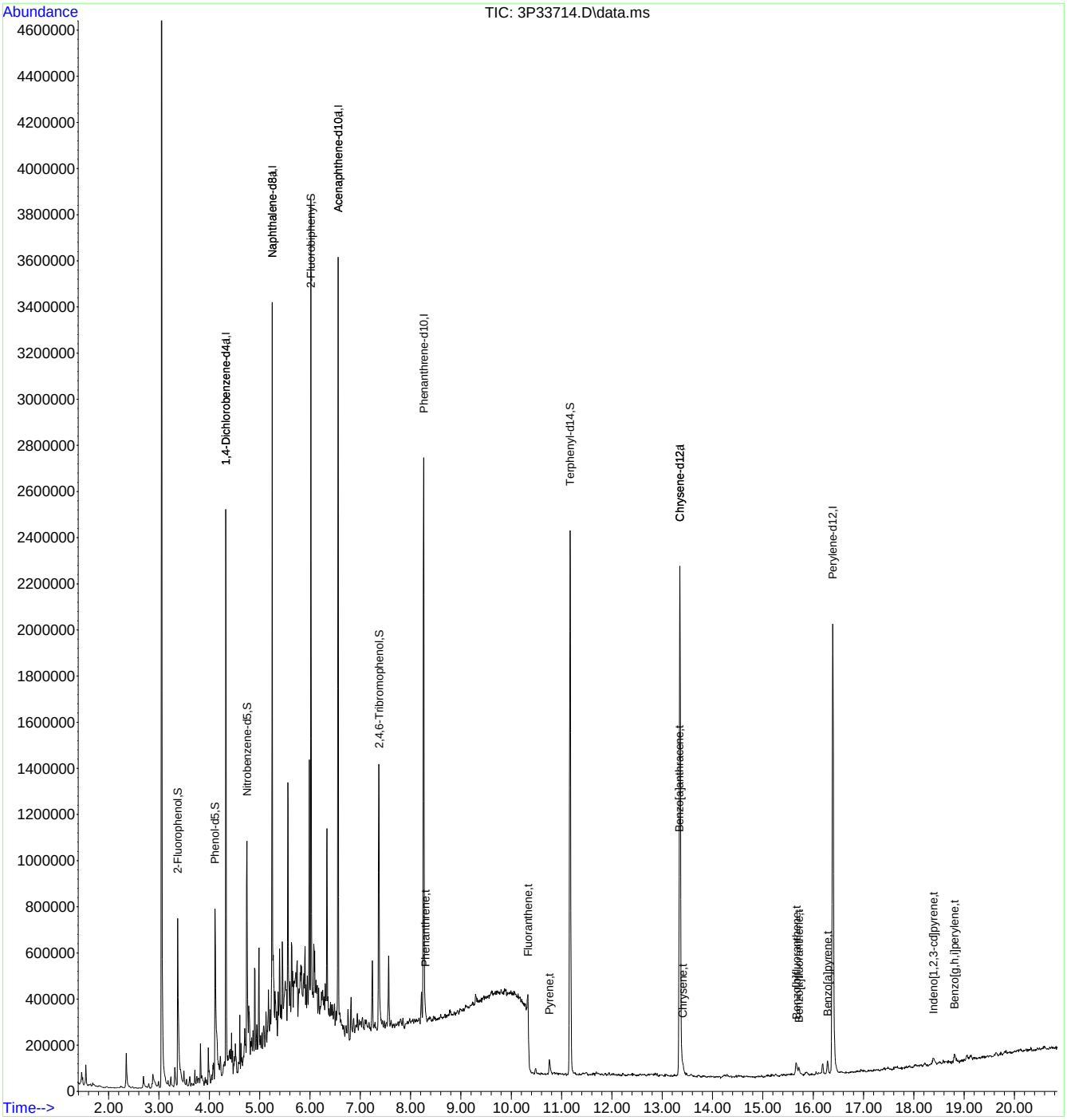
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.328	152	293780	40.00	ppb	-0.01
24) Naphthalene-d8	5.248	136	984853	40.00	ppb	-0.01
47) Acenaphthene-d10	6.559	164	602441	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	1140425	40.00	ppb	-0.03
83) Chrysene-d12	13.352	240	1476534	40.00	ppb	-0.03
91) Perylene-d12	16.390	264	1404576	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.328	152	293780	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.559	164	602441	40.00	ppb	-0.02
106) Chrysene-d12a	13.352	240	1476534	40.00	ppb	-0.03
108) Naphthalene-d8a	5.248	136	984853	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.371	112	310117	38.78	ppb	-0.01
Spiked Amount 50.000			Recovery =	77.56%		
8) Phenol-d5	4.114	99	396617	42.47	ppb	0.00
Spiked Amount 50.000			Recovery =	84.94%		
25) Nitrobenzene-d5	4.746	82	381773	44.25	ppb	0.00
Spiked Amount 50.000			Recovery =	88.50%		
51) 2-Fluorobiphenyl	6.019	172	805244	42.36	ppb	-0.02
Spiked Amount 50.000			Recovery =	84.72%		
73) 2,4,6-Tribromophenol	7.372	330	173756	51.31	ppb	-0.02
Spiked Amount 50.000			Recovery =	102.62%		
85) Terphenyl-d14	11.169	244	1308329	44.54	ppb	-0.03
Spiked Amount 50.000			Recovery =	89.08%		
Target Compounds						Qvalue
77) Phenanthrene	8.297	178	13046	0.47	ppb	95
81) Fluoranthene	10.335	202	44723	1.30	ppb	97
84) Pyrene	10.757	202	46450	1.16	ppb	95
87) Benzo[a]anthracene	13.335	228	38043	0.94	ppb	93
89) Chrysene	13.410	228	30636	0.88	ppb	94
93) Benzo[b]fluoranthene	15.668	252	52536	1.25	ppb	96
94) Benzo[k]fluoranthene	15.716	252	18125	0.44	ppb	94
95) Benzo[a]pyrene	16.288	252	37686	1.01	ppb	92
96) Indeno[1,2,3-cd]pyrene	18.390	276	29285	0.77	ppb	84
100) Benzo[g,h,i]perylene	18.807	276	27924	0.81	ppb	100

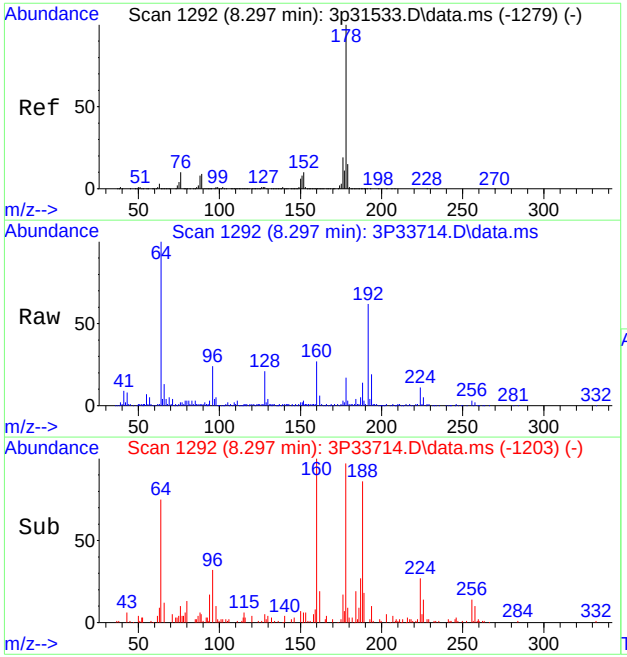
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33714.D
Acq On : 11 Jul 2014 9:13 pm
Operator : francism
Sample : jb69926-4
Misc : op75897,e3p1441,30.5
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 11 21:40:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

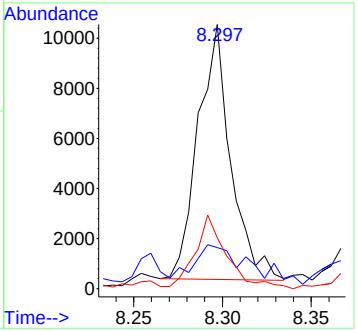


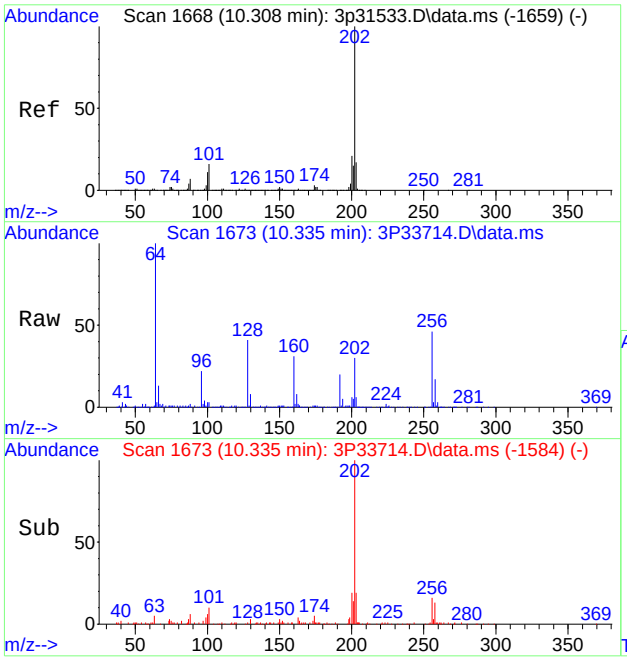


#77
Phenanthrene
Concen: 0.47 ppb
RT: 8.297 min Scan# 1292
Delta R.T. -0.022 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:178 Resp: 13046

Ion	Ratio	Lower	Upper
178	100		
179	11.0	0.0	45.8
176	19.0	0.0	49.0

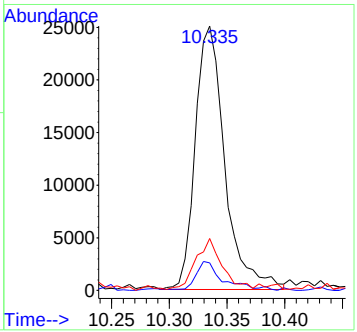


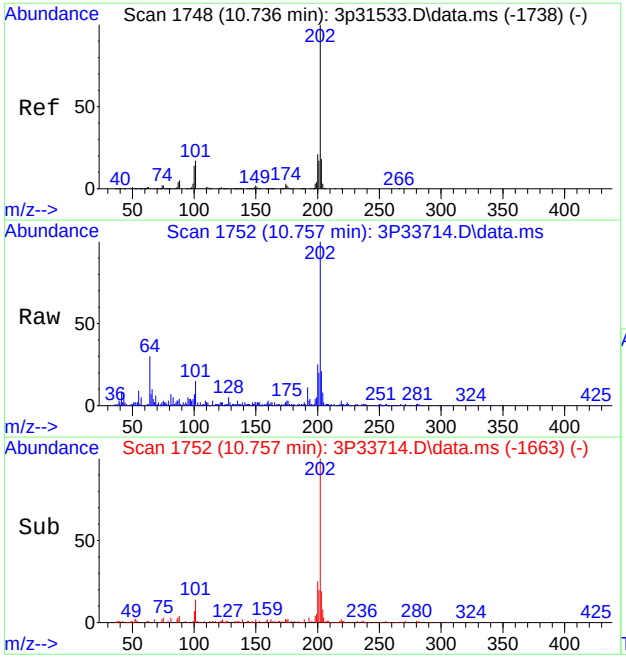


#81
Fluoranthene
Concen: 1.30 ppb
RT: 10.335 min Scan# 1673
Delta R.T. -0.022 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:202 Resp: 44723

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	40.0
203	19.3	0.0	47.2

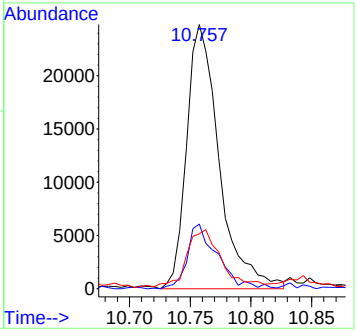


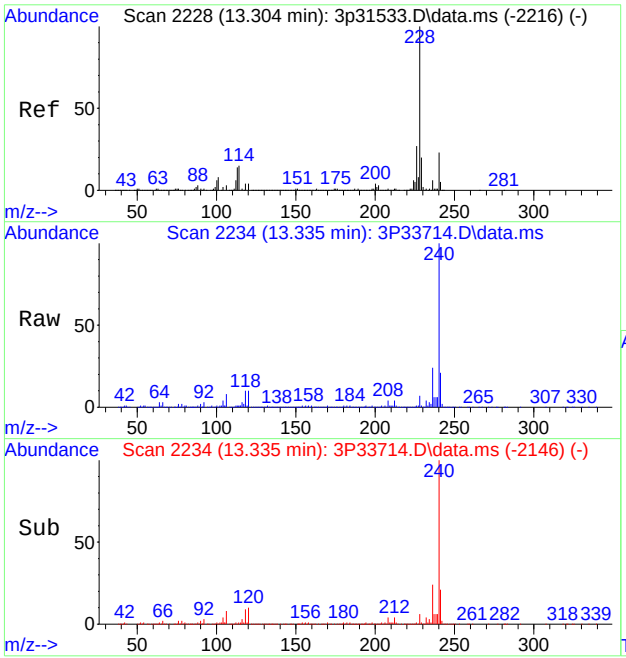


#84
Pyrene
Concen: 1.16 ppb
RT: 10.757 min Scan# 1752
Delta R.T. -0.021 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:202 Resp: 46450

Ion	Ratio	Lower	Upper
202	100		
200	24.3	0.0	50.4
203	18.8	0.0	48.1

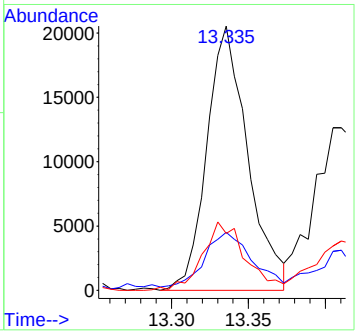


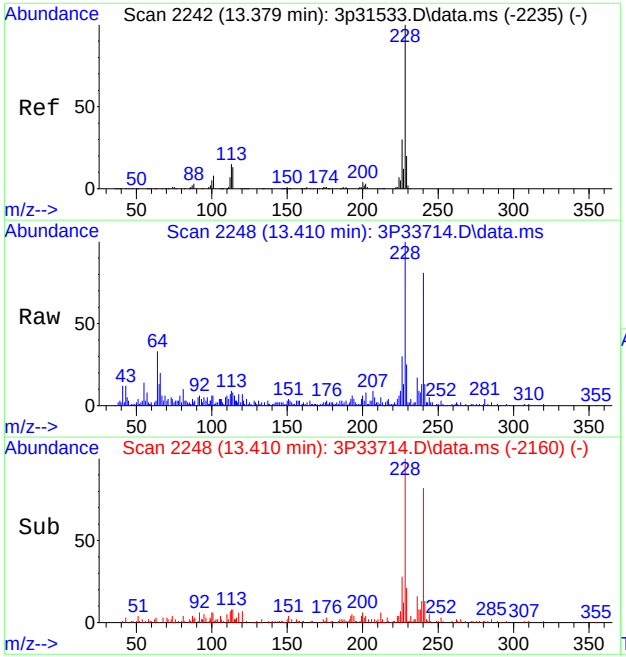


#87
Benzo[a]anthracene
Concen: 0.94 ppb
RT: 13.335 min Scan# 2234
Delta R.T. -0.027 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:228 Resp: 38043

Ion	Ratio	Lower	Upper
228	100		
229	21.0	0.0	49.5
226	20.8	0.0	56.0

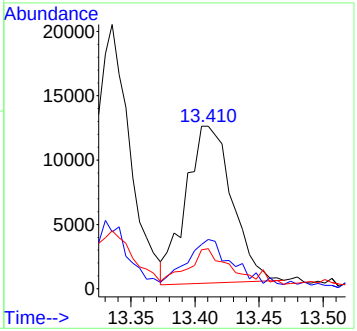


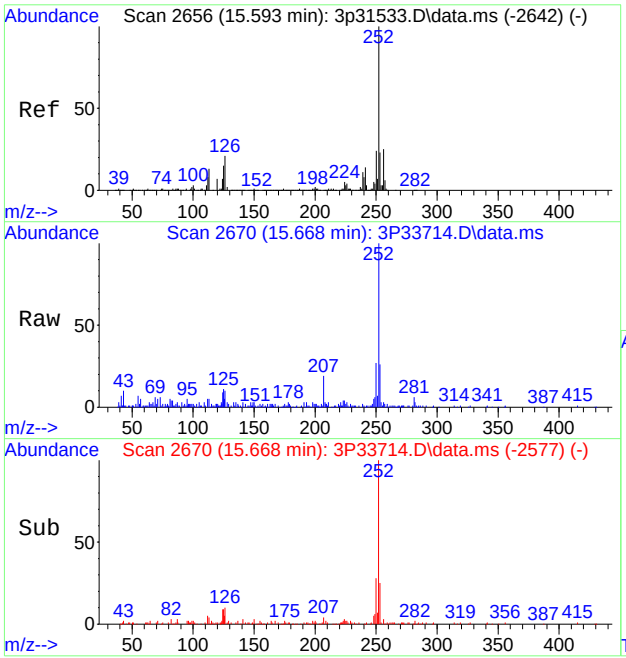


#89
Chrysene
Concen: 0.88 ppb
RT: 13.410 min Scan# 2248
Delta R.T. -0.027 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:228 Resp: 30636

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	58.2
229	23.7	0.0	49.3

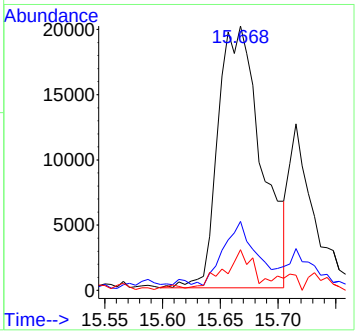


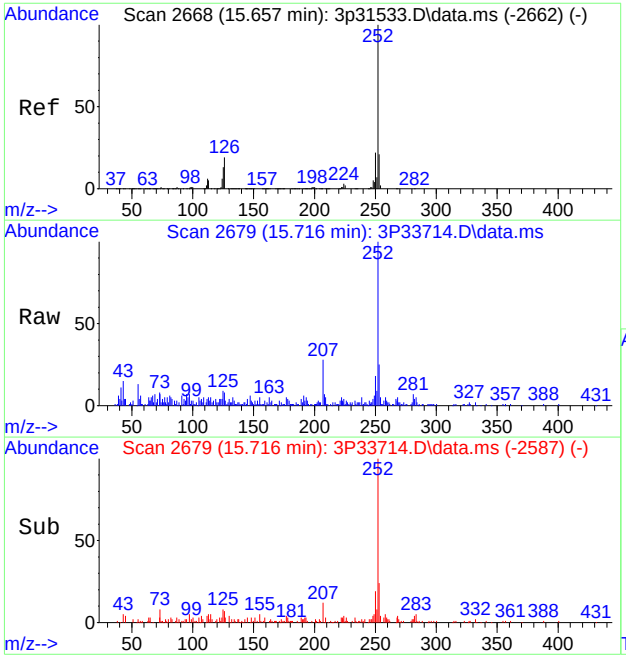


#93
Benzo[b]fluoranthene
Concen: 1.25 ppb
RT: 15.668 min Scan# 2670
Delta R.T. -0.000 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:252 Resp: 52536

Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	53.7
125	13.0	0.0	39.6

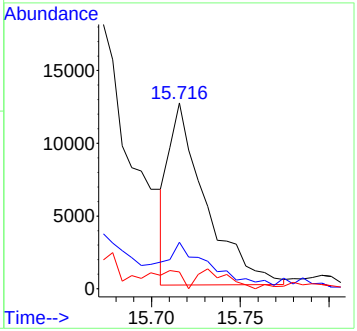


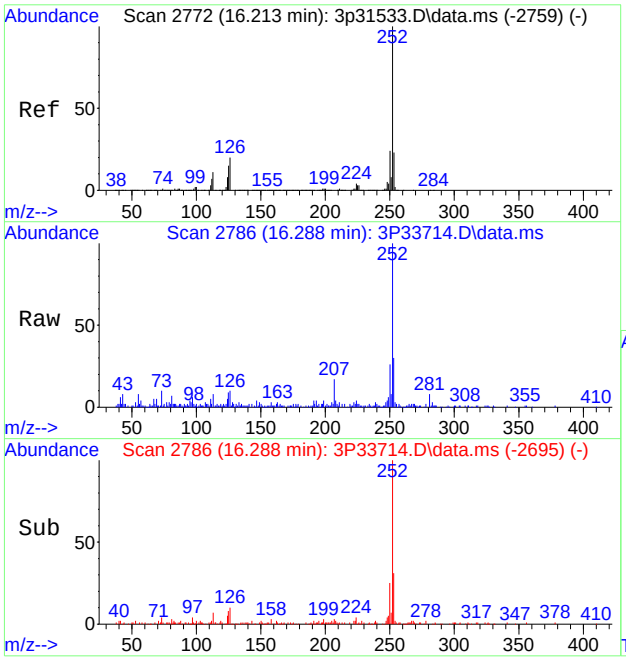


#94
Benzo[k]fluoranthene
Concen: 0.44 ppb
RT: 15.716 min Scan# 2679
Delta R.T. -0.005 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:252 Resp: 18125

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	52.4
125	2.8	0.0	38.8

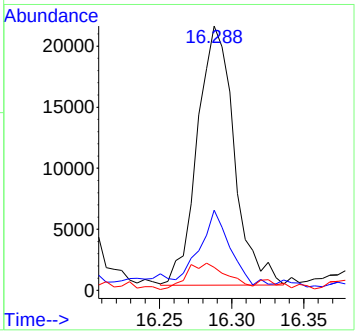


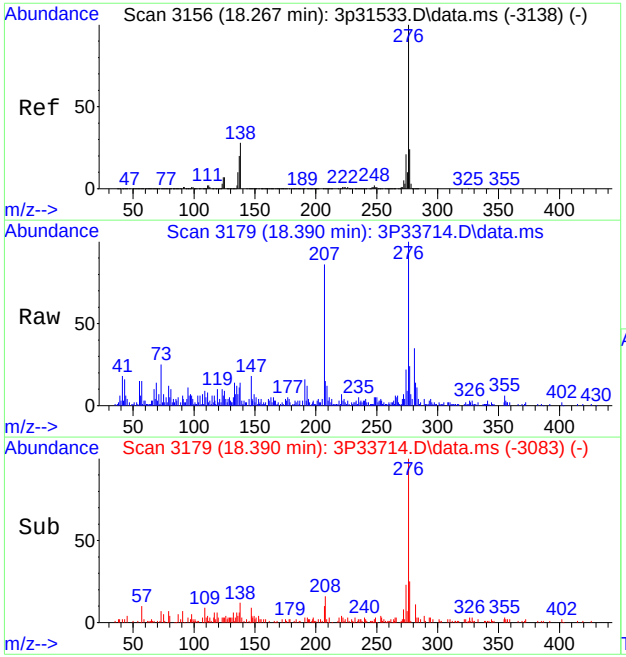


#95
Benzo[a]pyrene
Concen: 1.01 ppb
RT: 16.288 min Scan# 2786
Delta R.T. -0.011 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:252 Resp: 37686

Ion	Ratio	Lower	Upper
252	100		
253	25.8	0.0	52.2
125	7.3	0.0	40.0

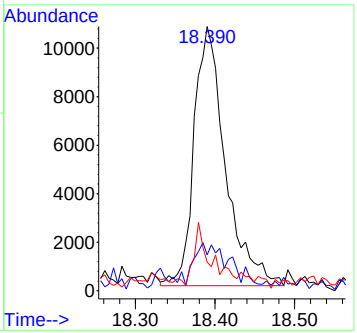


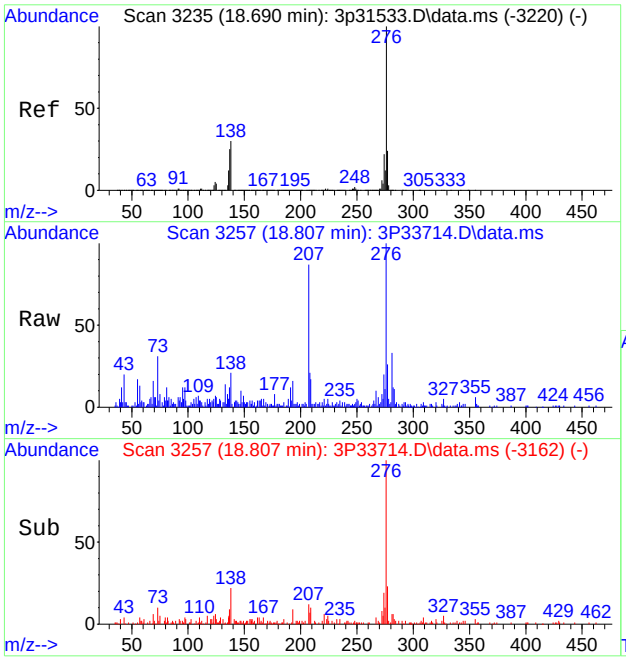


#96
Indeno[1,2,3-cd]pyrene
Concen: 0.77 ppb
RT: 18.390 min Scan# 3179
Delta R.T. 0.016 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:276 Resp: 29285

Ion	Ratio	Lower	Upper
276	100		
138	6.9	0.0	45.3
137	6.9	0.0	40.8

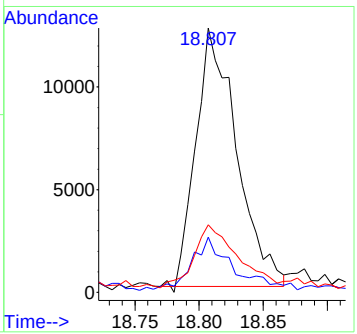




#100
Benzo[g,h,i]perylene
Concen: 0.81 ppb
RT: 18.807 min Scan# 3257
Delta R.T. 0.011 min
Lab File: 3P33714.D
Acq: 11 Jul 2014 9:13 pm

Tgt Ion:276 Resp: 27924

Ion	Ratio	Lower	Upper
276	100		
138	19.3	0.0	49.4
277	23.6	0.0	53.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33715.D
Acq On : 11 Jul 2014 9:38 pm
Operator : francism
Sample : jb69926-5
Misc : op75897,e3p1441,30.7
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 12 11:00:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

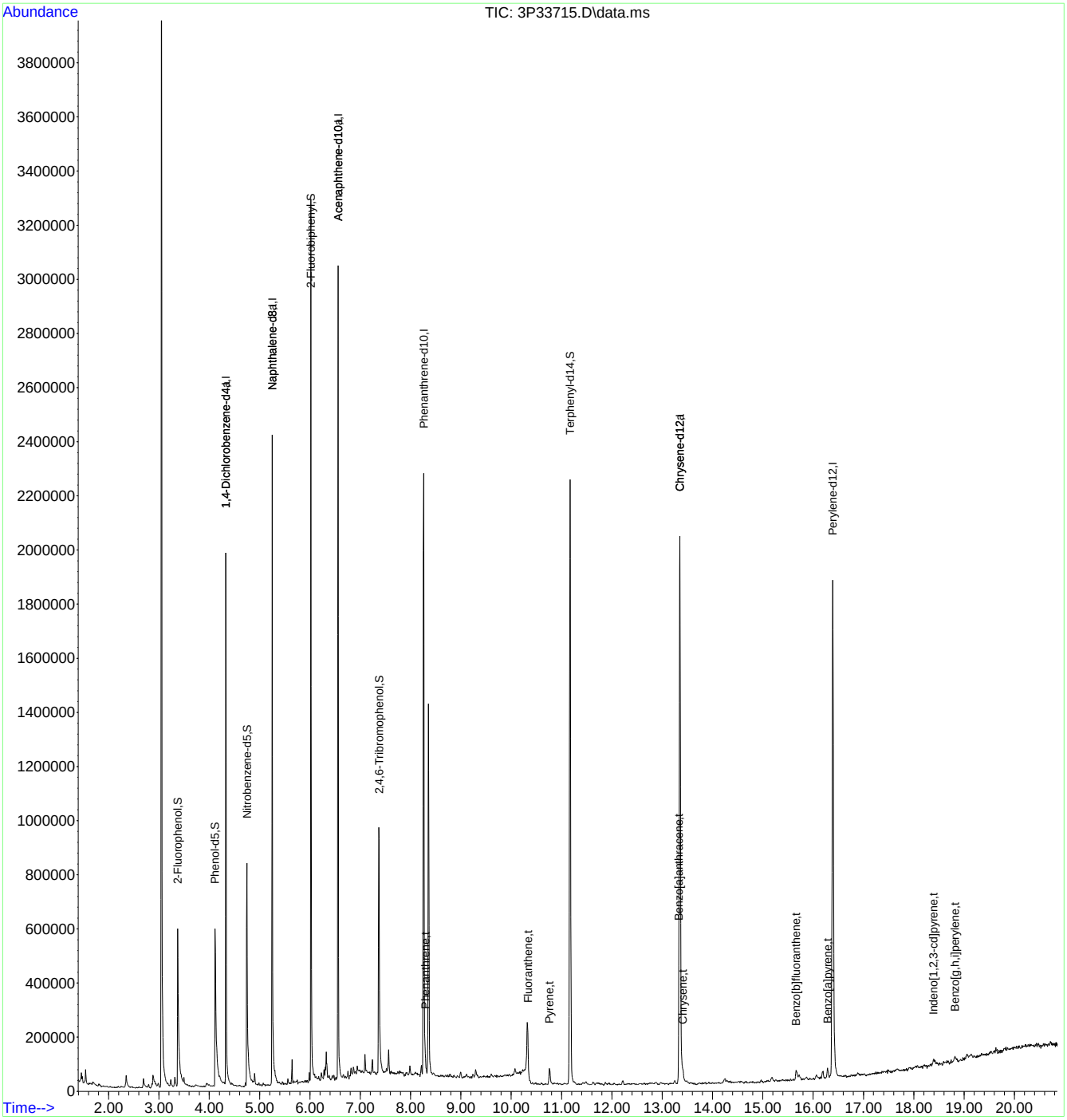
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	249060	40.00	ppb	-0.01
24) Naphthalene-d8	5.249	136	877067	40.00	ppb	-0.01
47) Acenaphthene-d10	6.559	164	570852	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	1083042	40.00	ppb	-0.03
83) Chrysene-d12	13.352	240	1338780	40.00	ppb	-0.03
91) Perylene-d12	16.390	264	1315299	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	249060	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.559	164	570852	40.00	ppb	-0.02
106) Chrysene-d12a	13.352	240	1338780	40.00	ppb	-0.03
108) Naphthalene-d8a	5.249	136	877067	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.371	112	252328	37.22	ppb	-0.01
Spiked Amount 50.000			Recovery = 74.44%			
8) Phenol-d5	4.115	99	326664	41.26	ppb	0.00
Spiked Amount 50.000			Recovery = 82.52%			
25) Nitrobenzene-d5	4.746	82	335035	43.61	ppb	0.00
Spiked Amount 50.000			Recovery = 87.22%			
51) 2-Fluorobiphenyl	6.019	172	797084	44.25	ppb	-0.02
Spiked Amount 50.000			Recovery = 88.50%			
73) 2,4,6-Tribromophenol	7.372	330	152403	47.39	ppb	-0.02
Spiked Amount 50.000			Recovery = 94.78%			
85) Terphenyl-d14	11.169	244	1221139	45.85	ppb	-0.03
Spiked Amount 50.000			Recovery = 91.70%			
Target Compounds						Qvalue
77) Phenanthrene	8.292	178	18229	0.69	ppb	93
81) Fluoranthene	10.335	202	43623	1.33	ppb	93
84) Pyrene	10.758	202	41582	1.14	ppb	90
87) Benzo[a]anthracene	13.330	228	30401	0.83	ppb	95
89) Chrysene	13.411	228	26939	0.85	ppb	93
93) Benzo[b]fluoranthene	15.662	252	31110	0.79	ppb	80
95) Benzo[a]pyrene	16.288	252	26190	0.75	ppb	93
96) Indeno[1,2,3-cd]pyrene	18.390	276	15882	0.45	ppb	100
100) Benzo[g,h,i]perylene	18.818	276	16840	0.52	ppb	94

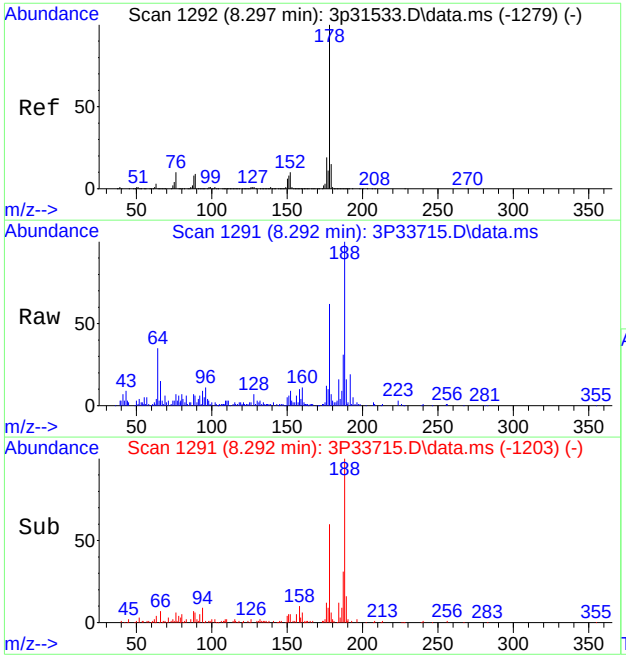
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33715.D
Acq On : 11 Jul 2014 9:38 pm
Operator : francism
Sample : jb69926-5
Misc : op75897,e3p1441,30.7
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 12 11:00:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

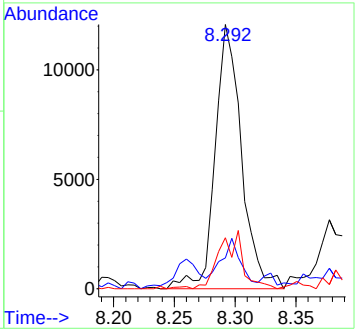


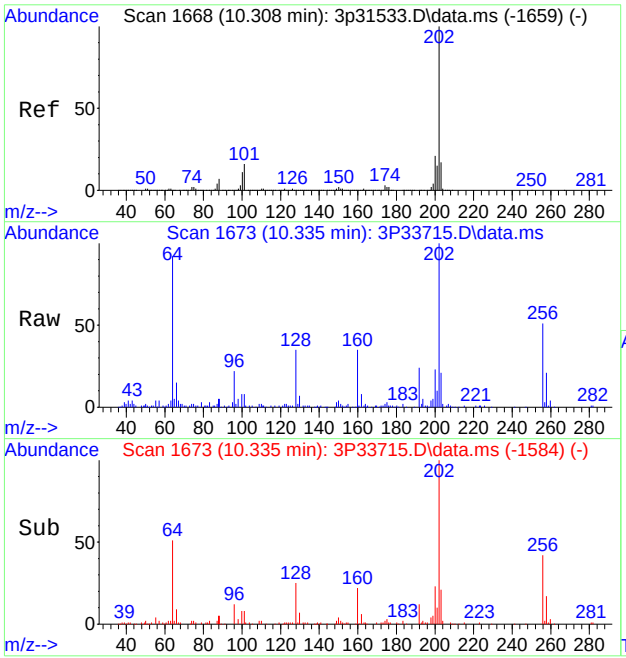


#77
Phenanthrene
Concen: 0.69 ppb
RT: 8.292 min Scan# 1291
Delta R.T. -0.027 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:178 Resp: 18229

Ion	Ratio	Lower	Upper
178	100		
179	10.0	0.0	45.8
176	18.5	0.0	49.0

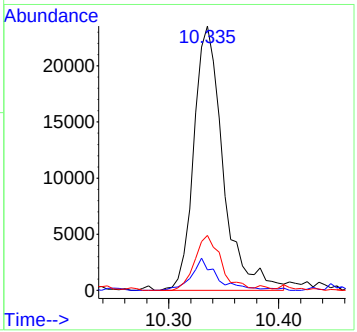


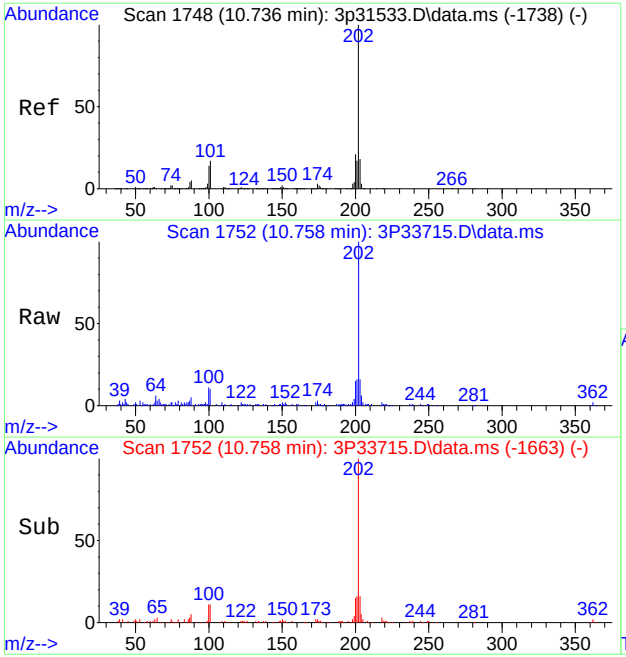


#81
Fluoranthene
Concen: 1.33 ppb
RT: 10.335 min Scan# 1673
Delta R.T. -0.021 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:202 Resp: 43623

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	40.0
203	19.9	0.0	47.2

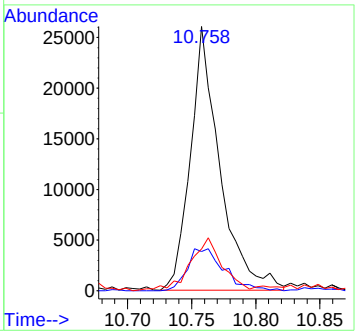


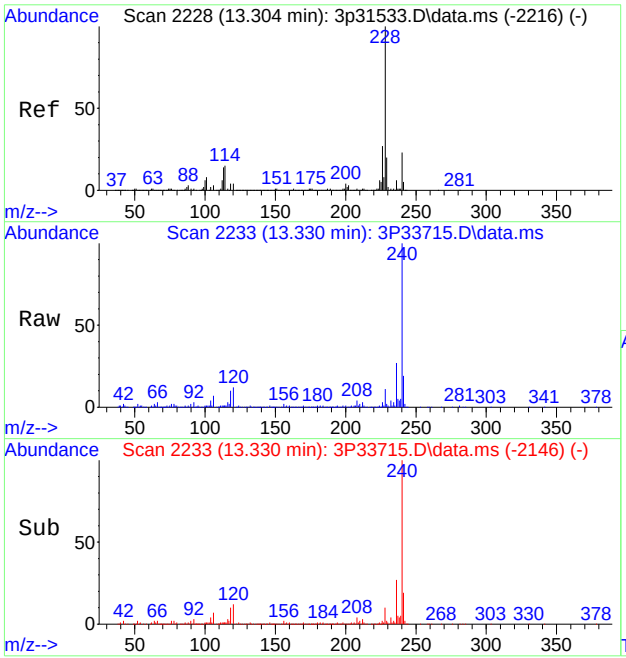


#84
Pyrene
Concen: 1.14 ppb
RT: 10.758 min Scan# 1752
Delta R.T. -0.021 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:202 Resp: 41582

Ion	Ratio	Lower	Upper
202	100		
200	14.8	0.0	50.4
203	14.4	0.0	48.1

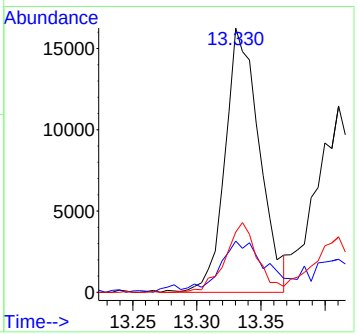


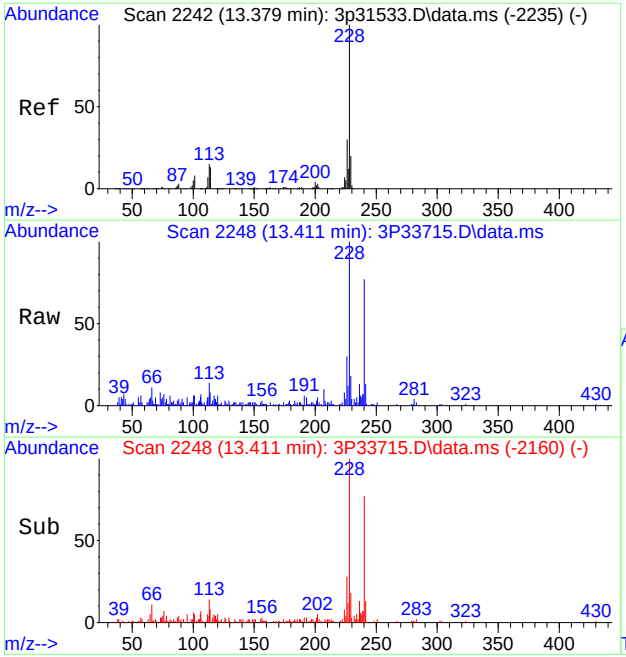


#87
Benzo[a]anthracene
Concen: 0.83 ppb
RT: 13.330 min Scan# 2233
Delta R.T. -0.032 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:228 Resp: 30401

Ion	Ratio	Lower	Upper
228	100		
229	17.3	0.0	49.5
226	23.3	0.0	56.0

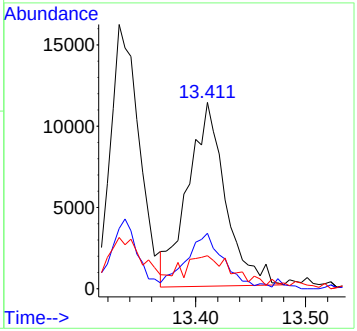


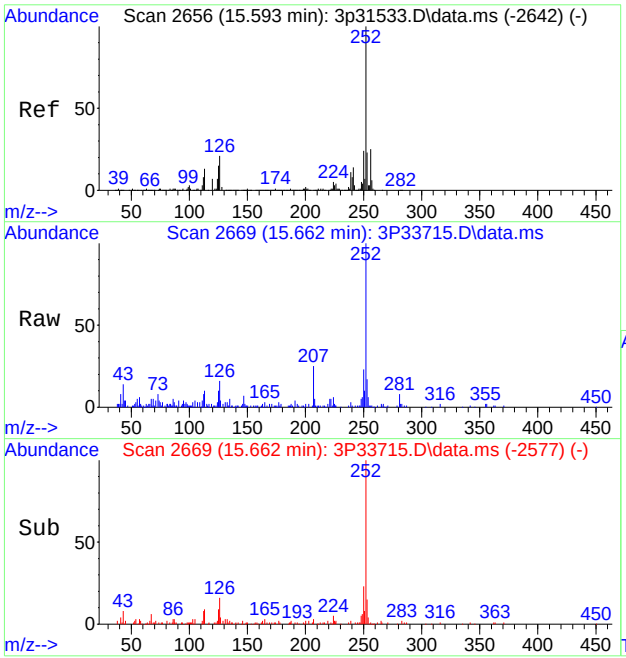


#89
Chrysene
Concen: 0.85 ppb
RT: 13.411 min Scan# 2248
Delta R.T. -0.027 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:228 Resp: 26939

Ion	Ratio	Lower	Upper
228	100		
226	30.5	0.0	58.2
229	14.0	0.0	49.3

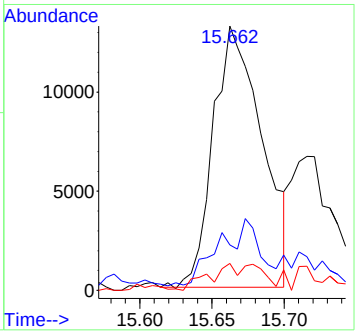


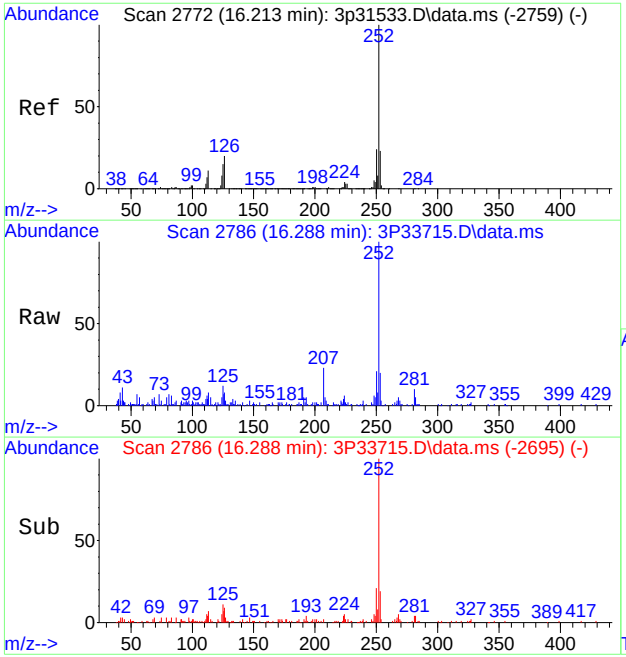


#93
Benzo[b]fluoranthene
Concen: 0.79 ppb
RT: 15.662 min Scan# 2669
Delta R.T. -0.005 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:252 Resp: 31110

Ion	Ratio	Lower	Upper
252	100		
253	11.6	0.0	53.7
125	7.0	0.0	39.6

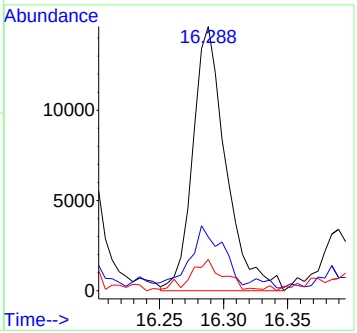


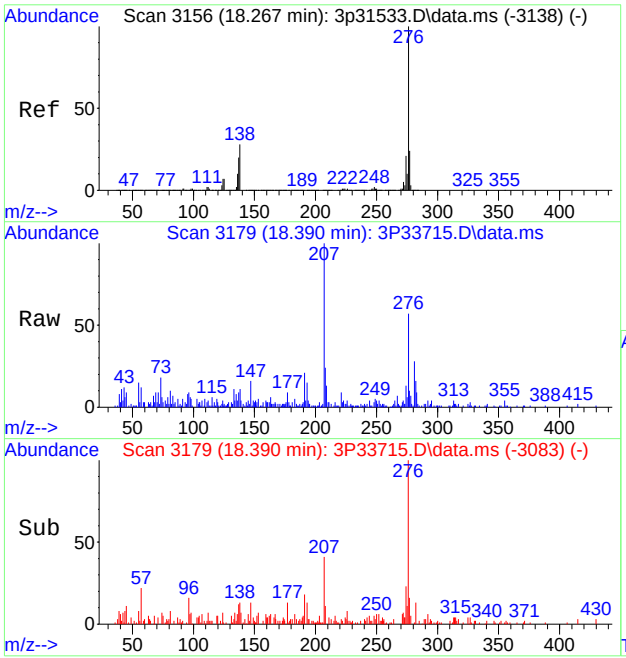


#95
Benzo[a]pyrene
Concen: 0.75 ppb
RT: 16.288 min Scan# 2786
Delta R.T. -0.011 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:252 Resp: 26190

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	52.2
125	17.7	0.0	40.0

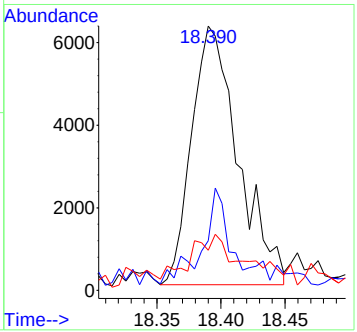


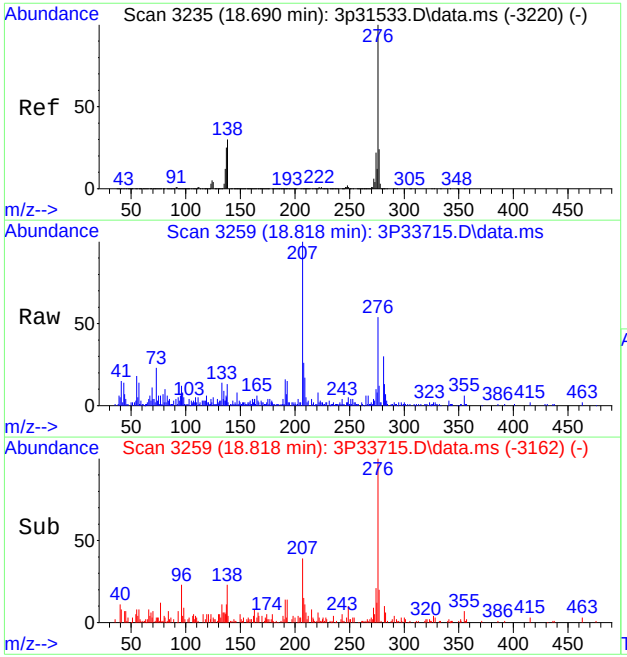


#96
Indeno[1,2,3-cd]pyrene
Concen: 0.45 ppb
RT: 18.390 min Scan# 3179
Delta R.T. 0.016 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:276 Resp: 15882

Ion	Ratio	Lower	Upper
276	100		
138	15.1	0.0	45.3
137	10.7	0.0	40.8

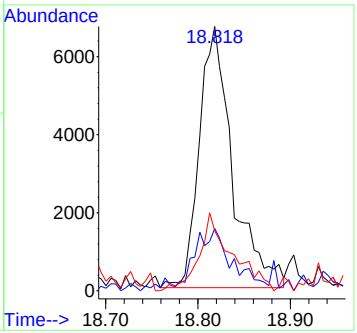




#100
Benzo[g,h,i]perylene
Concen: 0.52 ppb
RT: 18.818 min Scan# 3259
Delta R.T. 0.021 min
Lab File: 3P33715.D
Acq: 11 Jul 2014 9:38 pm

Tgt Ion:276 Resp: 16840

Ion	Ratio	Lower	Upper
276	100		
138	22.6	0.0	49.4
277	20.7	0.0	53.3



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/13/14 14:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33716.D
Acq On : 11 Jul 2014 10:03 pm
Operator : francism
Sample : jb69926-6
Misc : op75897,e3p1441,33.6
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 12 11:02:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

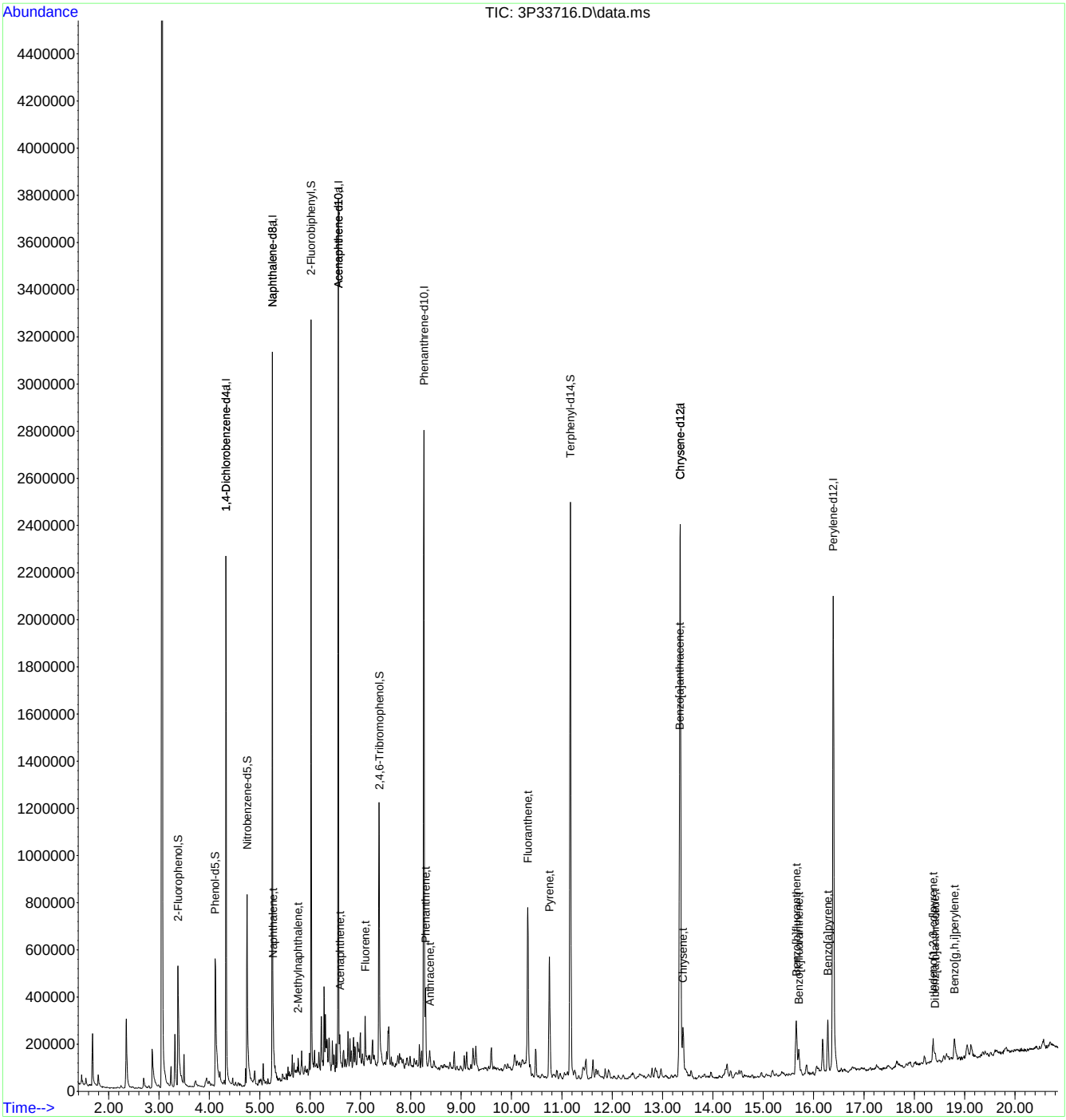
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	280272	40.00	ppb	-0.01
24) Naphthalene-d8	5.249	136	1033320	40.00	ppb	-0.01
47) Acenaphthene-d10	6.559	164	653816	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	1194685	40.00	ppb	-0.03
83) Chrysene-d12	13.352	240	1491731	40.00	ppb	-0.03
91) Perylene-d12	16.390	264	1388354	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	280272	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.559	164	653816	40.00	ppb	-0.02
106) Chrysene-d12a	13.352	240	1491731	40.00	ppb	-0.03
108) Naphthalene-d8a	5.249	136	1033320	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.377	112	253105	33.18	ppb	0.00
Spiked Amount 50.000			Recovery = 66.36%			
8) Phenol-d5	4.115	99	325947	36.59	ppb	0.00
Spiked Amount 50.000			Recovery = 73.18%			
25) Nitrobenzene-d5	4.746	82	332874	36.78	ppb	0.00
Spiked Amount 50.000			Recovery = 73.56%			
51) 2-Fluorobiphenyl	6.019	172	741653	35.95	ppb	-0.02
Spiked Amount 50.000			Recovery = 71.90%			
73) 2,4,6-Tribromophenol	7.372	330	169289	47.72	ppb	-0.02
Spiked Amount 50.000			Recovery = 95.44%			
85) Terphenyl-d14	11.170	244	1297925	43.74	ppb	-0.03
Spiked Amount 50.000			Recovery = 87.48%			
Target Compounds						Qvalue
38) Naphthalene	5.265	128	41967	1.71	ppb	96
44) 2-Methylnaphthalene	5.762	141	24434	1.61	ppb	94
59) Acenaphthene	6.591	153	23285m	1.41	ppb	
66) Fluorene	7.094	166	35459	1.74	ppb	98
77) Phenanthrene	8.292	178	159995	5.50	ppb	99
78) Anthracene	8.378	178	43775	1.51	ppb	95
81) Fluoranthene	10.325	202	353618	9.79	ppb	98
84) Pyrene	10.752	202	325210	8.02	ppb	96
87) Benzo[a]anthracene	13.336	228	182437	4.45	ppb	95
89) Chrysene	13.405	228	176555	5.01	ppb	98
93) Benzo[b]fluoranthene	15.657	252	203884	4.90	ppb	98
94) Benzo[k]fluoranthene	15.705	252	84287	2.09	ppb	97
95) Benzo[a]pyrene	16.283	252	160105	4.33	ppb	93
96) Indeno[1,2,3-cd]pyrene	18.374	276	91640	2.44	ppb	89
98) Dibenz[a,h]anthracene	18.412	278	25612	0.72	ppb	87
100) Benzo[g,h,i]perylene	18.797	276	84313	2.47	ppb	92

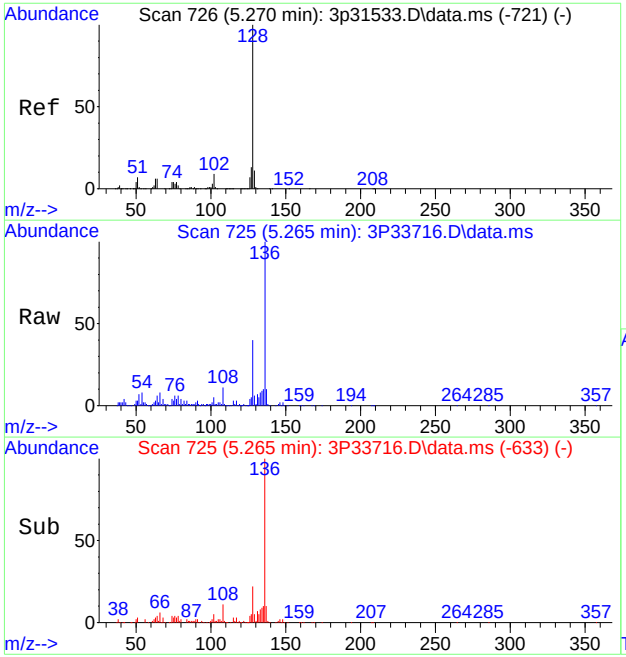
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33716.D
Acq On : 11 Jul 2014 10:03 pm
Operator : francism
Sample : jb69926-6
Misc : op75897,e3p1441,33.6
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 12 11:02:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

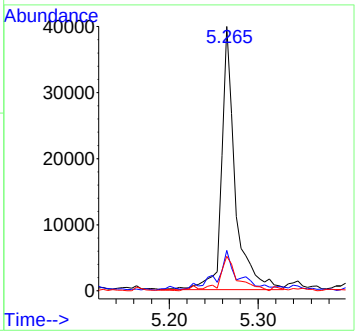


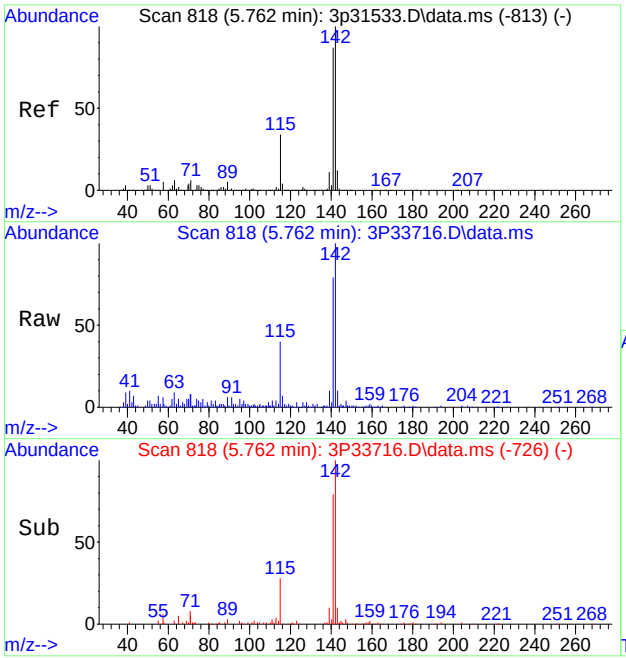


#38
Naphthalene
Concen: 1.71 ppb
RT: 5.265 min Scan# 725
Delta R.T. -0.010 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:128 Resp: 41967

Ion	Ratio	Lower	Upper
128	100		
129	14.3	0.0	40.9
127	12.7	0.0	42.9

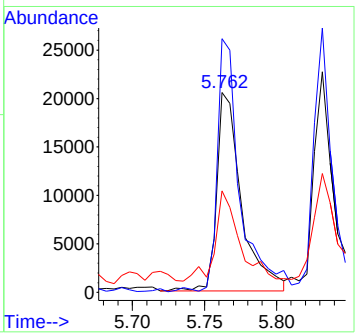


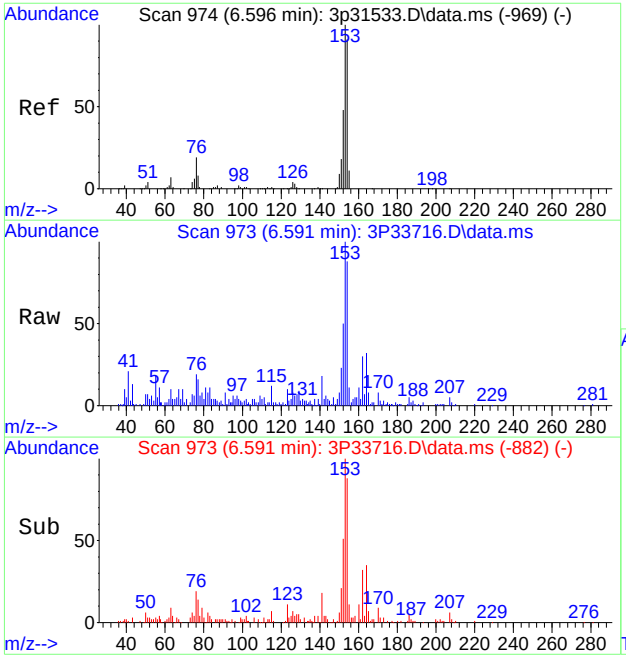


#44
2-Methylnaphthalene
Concen: 1.61 ppb
RT: 5.762 min Scan# 818
Delta R.T. -0.010 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:141 Resp: 24434

Ion	Ratio	Lower	Upper
141	100		
142	124.6	86.7	146.7
115	43.5	14.3	74.3

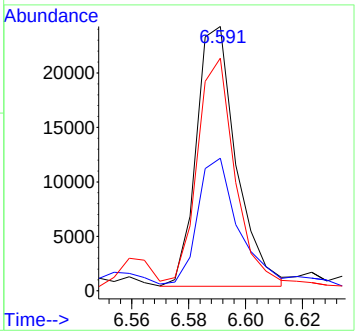


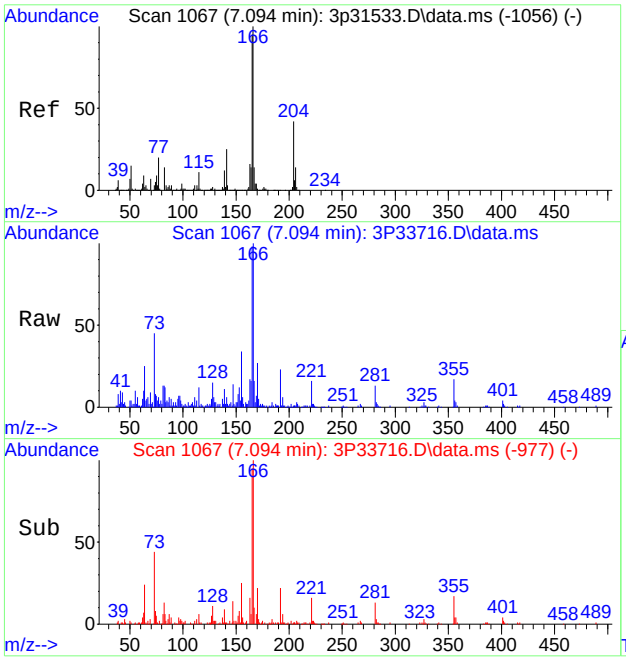


#59
Acenaphthene
Concen: 1.41 ppb m
RT: 6.591 min Scan# 973
Delta R.T. -0.016 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:153 Resp: 23285

Ion	Ratio	Lower	Upper
153	100		
152	50.1	16.5	76.5
154	88.0	61.8	121.8

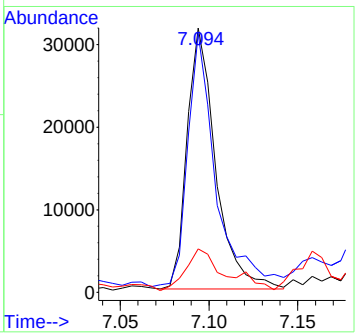


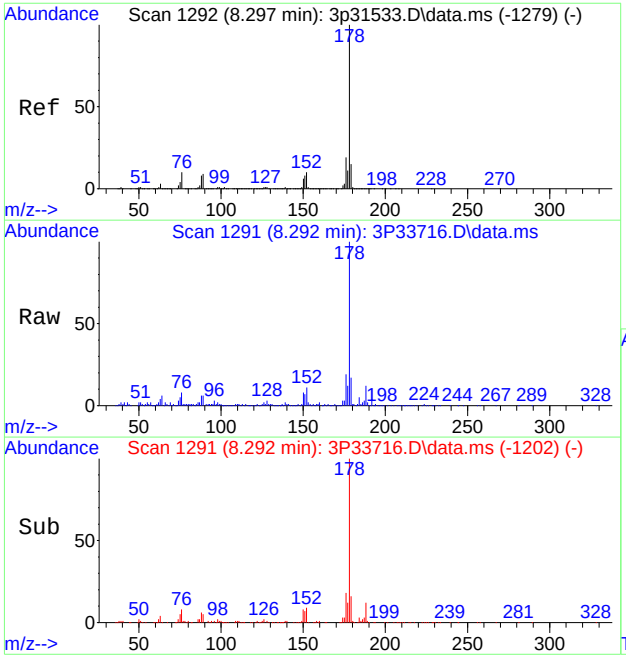


#66
Fluorene
Concen: 1.74 ppb
RT: 7.094 min Scan# 1067
Delta R.T. -0.021 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:166 Resp: 35459

Ion	Ratio	Lower	Upper
166	100		
165	95.2	63.3	123.3
167	14.4	0.0	43.2

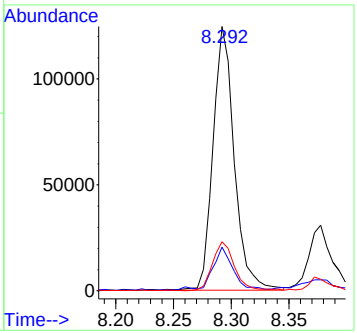


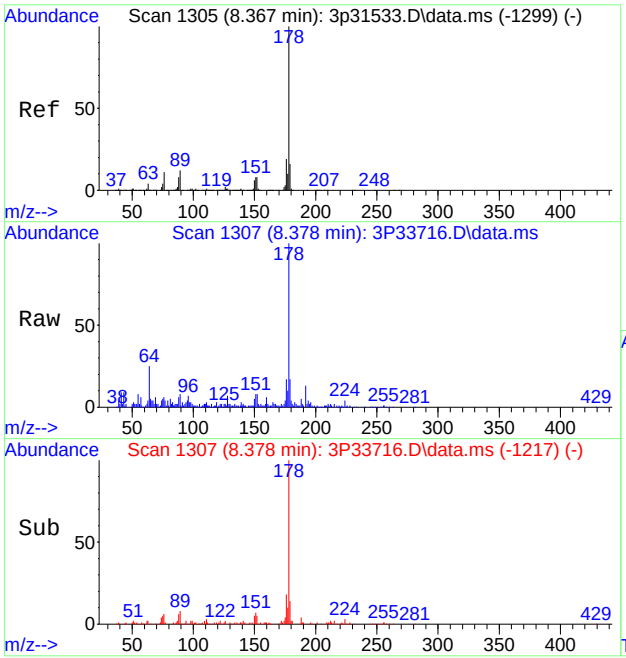


#77
Phenanthrene
Concen: 5.50 ppb
RT: 8.292 min Scan# 1291
Delta R.T. -0.027 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:178 Resp: 159995

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.8
176	18.5	0.0	49.0

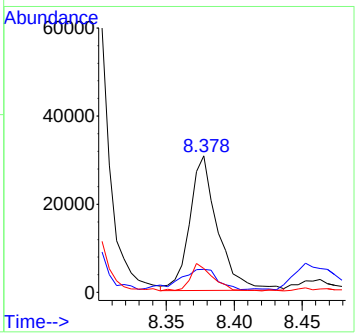


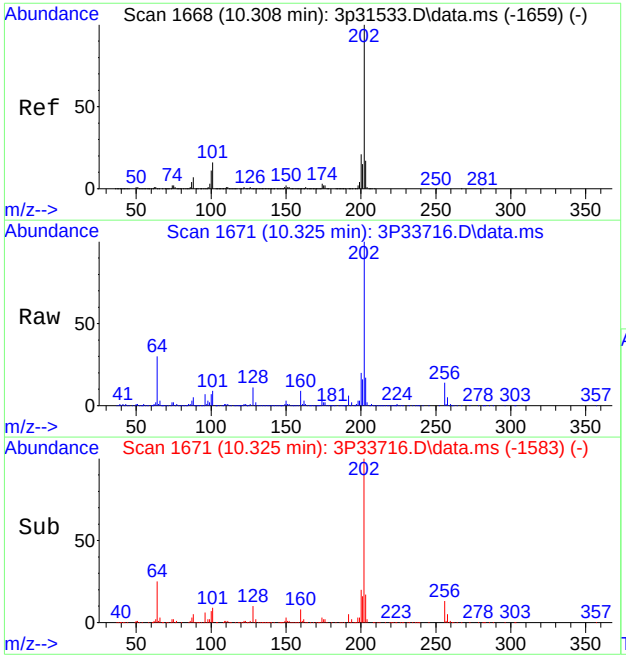


#78
Anthracene
Concen: 1.51 ppb
RT: 8.378 min Scan# 1307
Delta R.T. -0.021 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:178 Resp: 43775

Ion	Ratio	Lower	Upper
178	100		
179	11.9	0.0	44.8
176	16.9	0.0	48.8

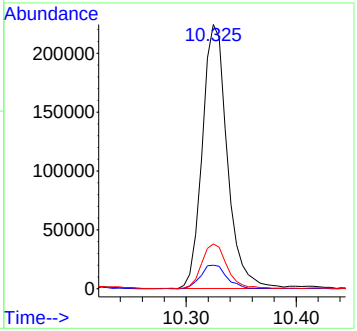


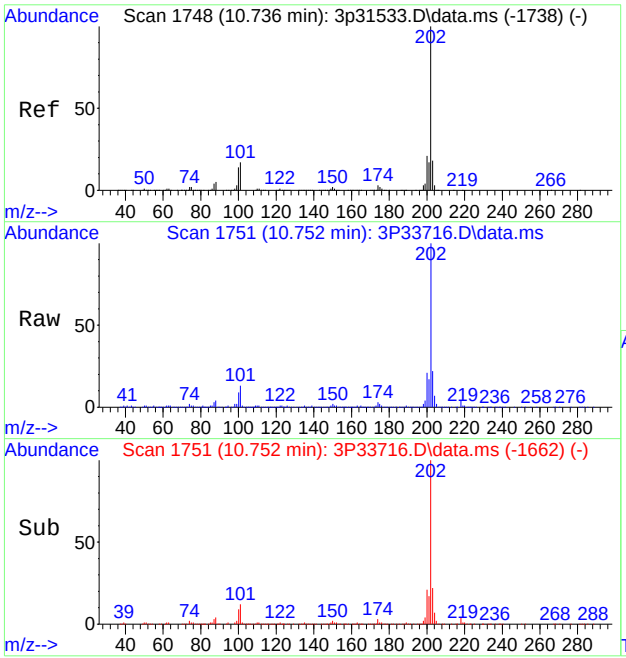


#81
Fluoranthene
Concen: 9.79 ppb
RT: 10.325 min Scan# 1671
Delta R.T. -0.032 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:202 Resp: 353618

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	40.0
203	16.9	0.0	47.2

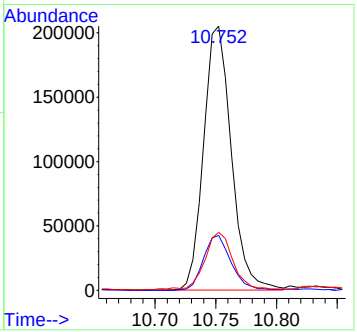


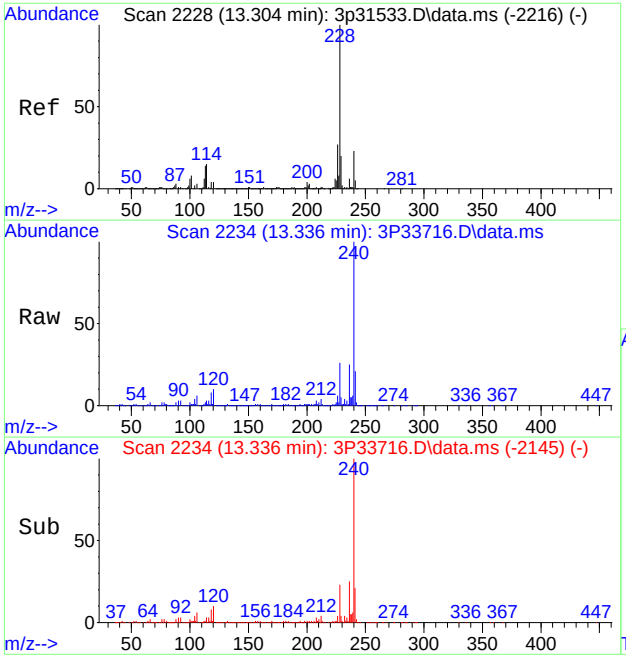


#84
Pyrene
Concen: 8.02 ppb
RT: 10.752 min Scan# 1751
Delta R.T. -0.027 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:202 Resp: 325210

Ion	Ratio	Lower	Upper
202	100		
200	20.7	0.0	50.4
203	21.6	0.0	48.1

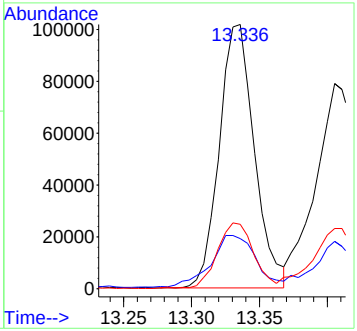


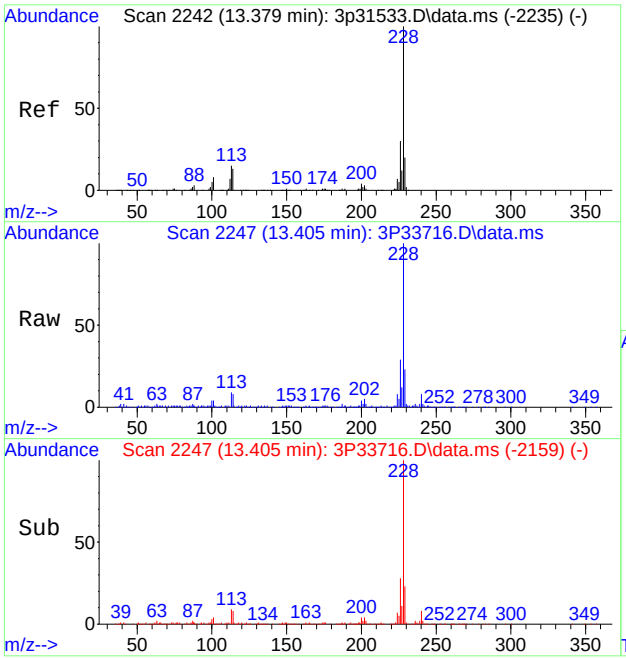


#87
Benzo[a]anthracene
Concen: 4.45 ppb
RT: 13.336 min Scan# 2234
Delta R.T. -0.027 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:228 Resp: 182437

Ion	Ratio	Lower	Upper
228	100		
229	17.9	0.0	49.5
226	23.0	0.0	56.0

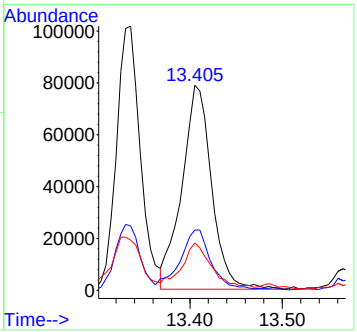


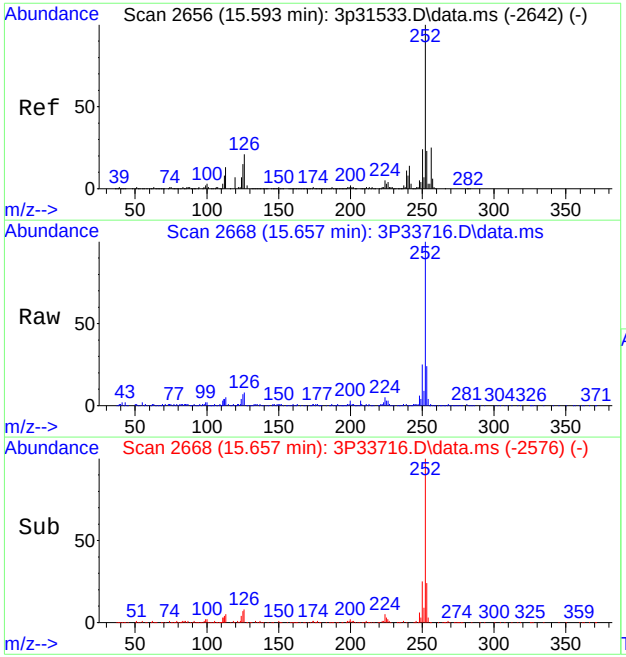


#89
Chrysene
Concen: 5.01 ppb
RT: 13.405 min Scan# 2247
Delta R.T. -0.032 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:228 Resp: 176555

Ion	Ratio	Lower	Upper
228	100		
226	27.9	0.0	58.2
229	21.5	0.0	49.3

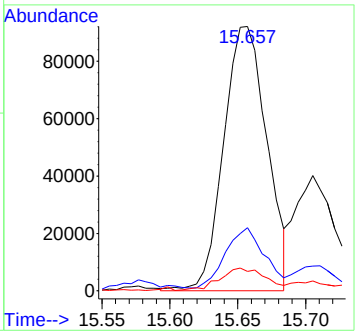


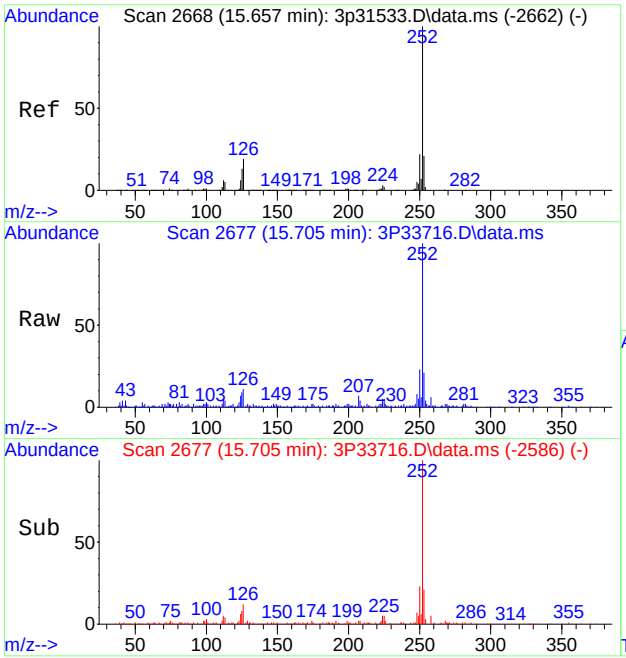


#93
Benzo[b]fluoranthene
Concen: 4.90 ppb
RT: 15.657 min Scan# 2668
Delta R.T. -0.010 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:252 Resp: 203884

Ion	Ratio	Lower	Upper
252	100		
253	23.6	0.0	53.7
125	6.9	0.0	39.6

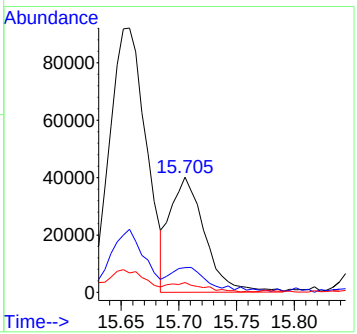


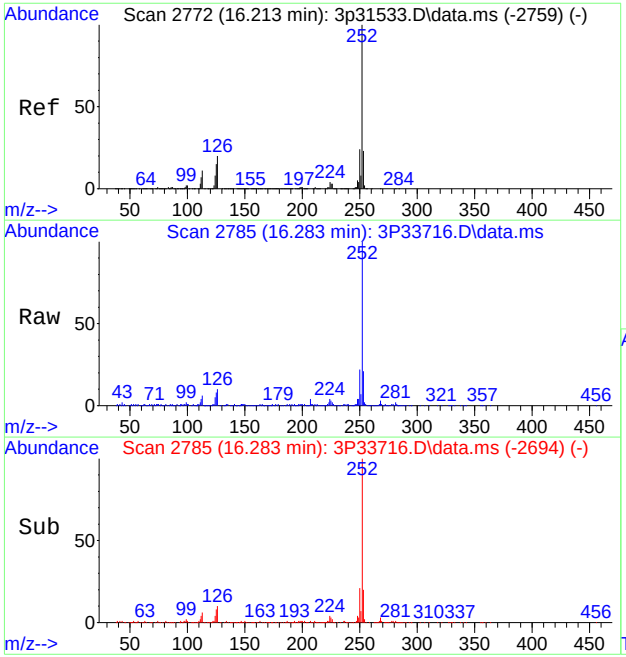


#94
Benzo[k]fluoranthene
Concen: 2.09 ppb
RT: 15.705 min Scan# 2677
Delta R.T. -0.016 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:252 Resp: 84287

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	52.4
125	8.0	0.0	38.8

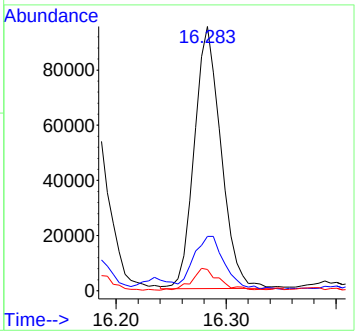


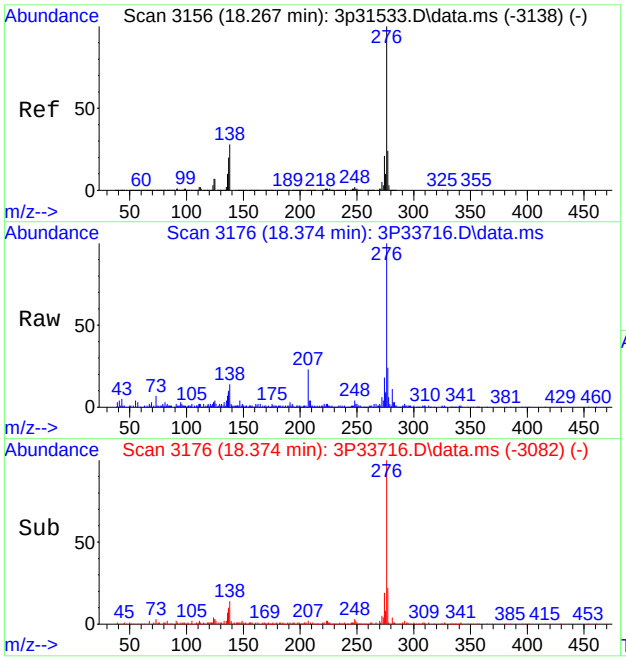


#95
Benzo[a]pyrene
Concen: 4.33 ppb
RT: 16.283 min Scan# 2785
Delta R.T. -0.016 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:252 Resp: 160105

Ion	Ratio	Lower	Upper
252	100		
253	18.6	0.0	52.2
125	7.9	0.0	40.0

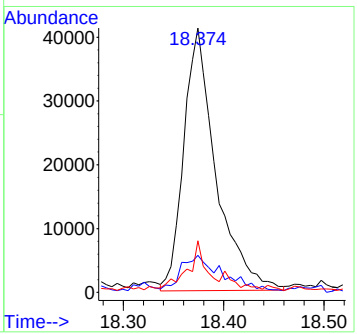


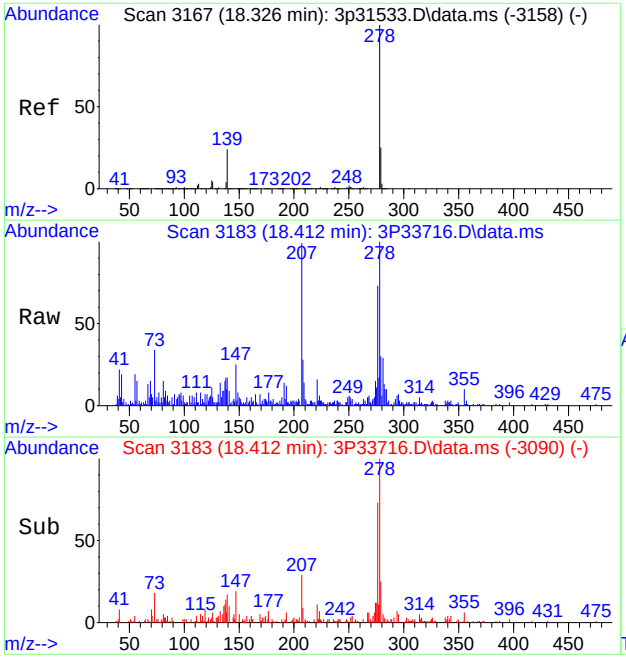


#96
Indeno[1,2,3-cd]pyrene
Concen: 2.44 ppb
RT: 18.374 min Scan# 3176
Delta R.T. 0.000 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:276 Resp: 91640

Ion	Ratio	Lower	Upper
276	100		
138	13.4	0.0	45.3
137	18.7	0.0	40.8

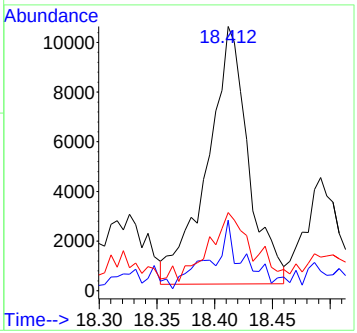


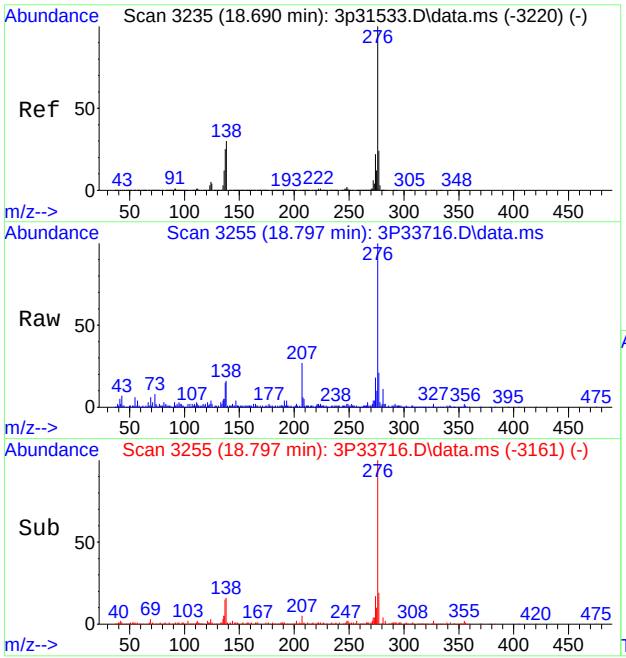


#98
Dibenz[a,h]anthracene
Concen: 0.72 ppb
RT: 18.412 min Scan# 3183
Delta R.T. -0.005 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:278 Resp: 25612

Ion	Ratio	Lower	Upper
278	100		
139	24.8	0.0	43.7
279	25.9	0.0	53.6

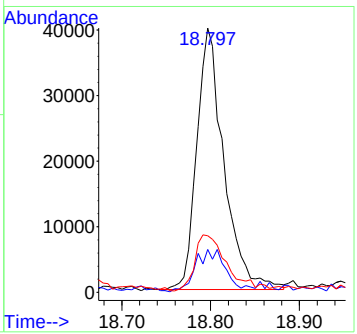




#100
Benzo[g,h,i]perylene
Concen: 2.47 ppb
RT: 18.797 min Scan# 3255
Delta R.T. 0.000 min
Lab File: 3P33716.D
Acq: 11 Jul 2014 10:03 pm

Tgt Ion:276 Resp: 84313

Ion	Ratio	Lower	Upper
276	100		
138	14.6	0.0	49.4
277	20.3	0.0	53.3



Manual Integration Approval Summary

Sample Number:	JB69926-6	**Method:**	SW846 8270D
Lab FileID:	3P33716.D	**Analyst approved:**	07/12/14 11:20 Andrew Lee Smith
Injection Time:	07/11/14 22:03	**Supervisor approved:**	07/13/14 14:46 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Acenaphthene	83-32-9		6.59	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33717.D
Acq On : 11 Jul 2014 10:28 pm
Operator : francism
Sample : jb69926-7
Misc : op75897,e3p1441,32.2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 12 11:02:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

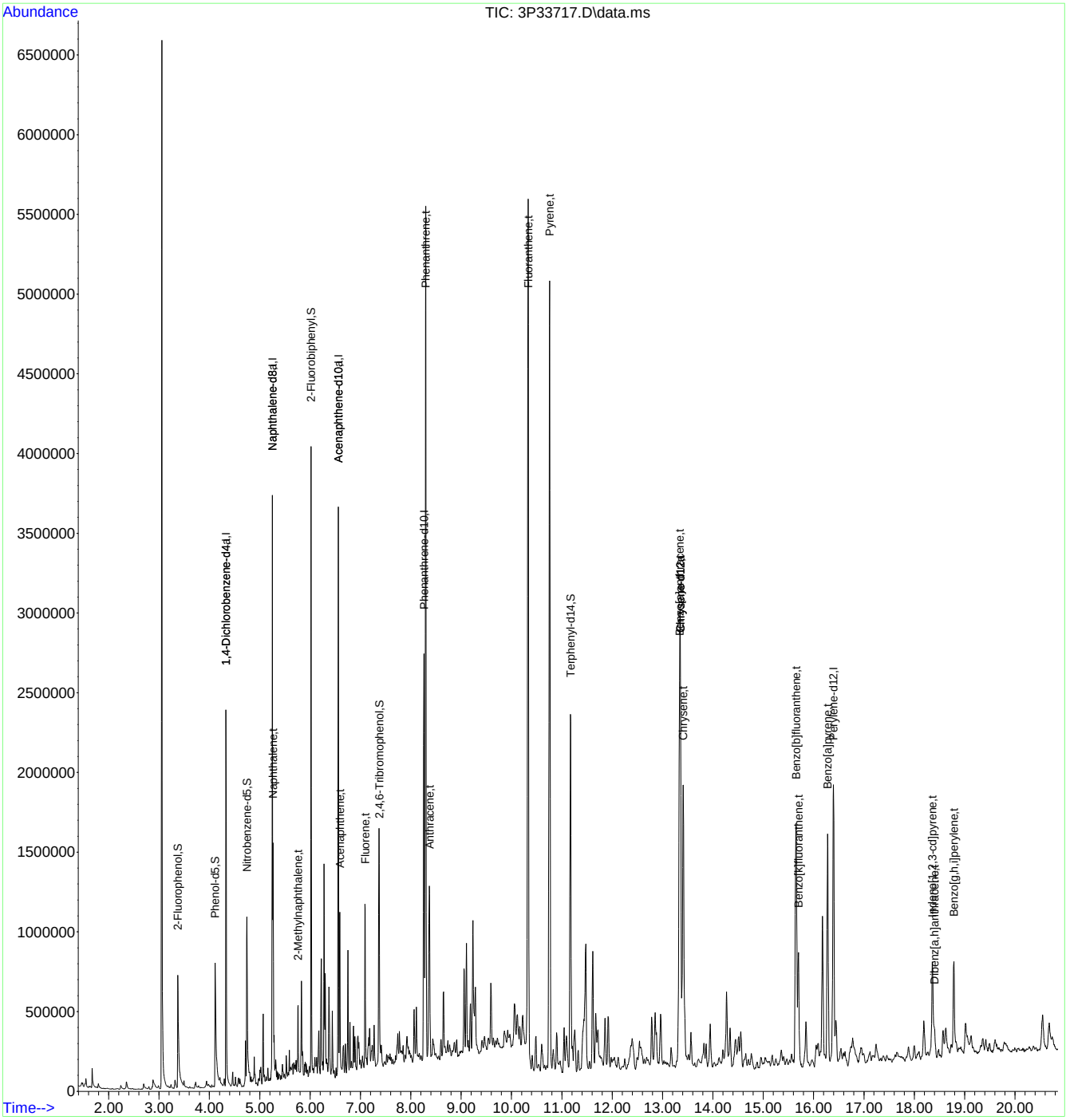
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	299582	40.00	ppb	-0.01
24) Naphthalene-d8	5.249	136	1031048	40.00	ppb	-0.01
47) Acenaphthene-d10	6.559	164	630387	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	1161158	40.00	ppb	-0.03
83) Chrysene-d12	13.357	240	1333619	40.00	ppb	-0.03
91) Perylene-d12	16.395	264	1186444	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	299582	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.559	164	630387	40.00	ppb	-0.02
106) Chrysene-d12a	13.357	240	1333619	40.00	ppb	-0.03
108) Naphthalene-d8a	5.249	136	1031048	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.371	112	306234	37.55	ppb	-0.01
Spiked Amount 50.000			Recovery =	75.10%		
8) Phenol-d5	4.115	99	367473	38.59	ppb	0.00
Spiked Amount 50.000			Recovery =	77.18%		
25) Nitrobenzene-d5	4.746	82	376964	41.74	ppb	0.00
Spiked Amount 50.000			Recovery =	83.48%		
51) 2-Fluorobiphenyl	6.019	172	871489	43.81	ppb	-0.02
Spiked Amount 50.000			Recovery =	87.62%		
73) 2,4,6-Tribromophenol	7.372	330	180506	52.35	ppb	-0.02
Spiked Amount 50.000			Recovery =	104.70%		
85) Terphenyl-d14	11.175	244	1211334	45.66	ppb	-0.03
Spiked Amount 50.000			Recovery =	91.32%		
Target Compounds						Qvalue
38) Naphthalene	5.265	128	423804	17.33	ppb	97
44) 2-Methylnaphthalene	5.762	141	102842	6.79	ppb	96
59) Acenaphthene	6.591	153	229792	14.42	ppb	99
66) Fluorene	7.094	166	262217	13.36	ppb	99
77) Phenanthrene	8.297	178	2474169	87.54	ppb	99
78) Anthracene	8.372	178	520190	18.41	ppb	98
81) Fluoranthene	10.330	202	3234790	92.16	ppb	99
84) Pyrene	10.758	202	2839147	78.27	ppb	96
87) Benzo[a]anthracene	13.336	228	1433744	39.14	ppb	99
89) Chrysene	13.411	228	1351633	42.93	ppb	99
93) Benzo[b]fluoranthene	15.652	252	1403047	39.47	ppb	95
94) Benzo[k]fluoranthene	15.700	252	491256	14.26	ppb	97
95) Benzo[a]pyrene	16.277	252	1055721	33.41	ppb	96
96) Indeno[1,2,3-cd]pyrene	18.358	276	540837	16.85	ppb	97
98) Dibenz[a,h]anthracene	18.401	278	157844	5.21	ppb	90
100) Benzo[g,h,i]perylene	18.786	276	496782	17.03	ppb	94

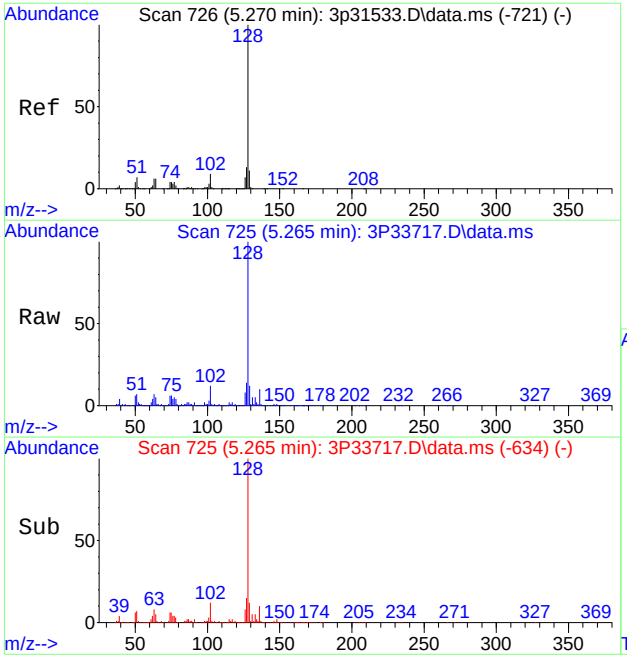
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33717.D
Acq On : 11 Jul 2014 10:28 pm
Operator : francism
Sample : jb69926-7
Misc : op75897,e3p1441,32.2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 12 11:02:52 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

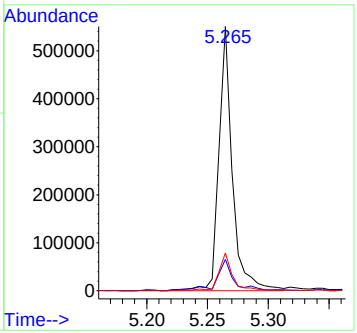


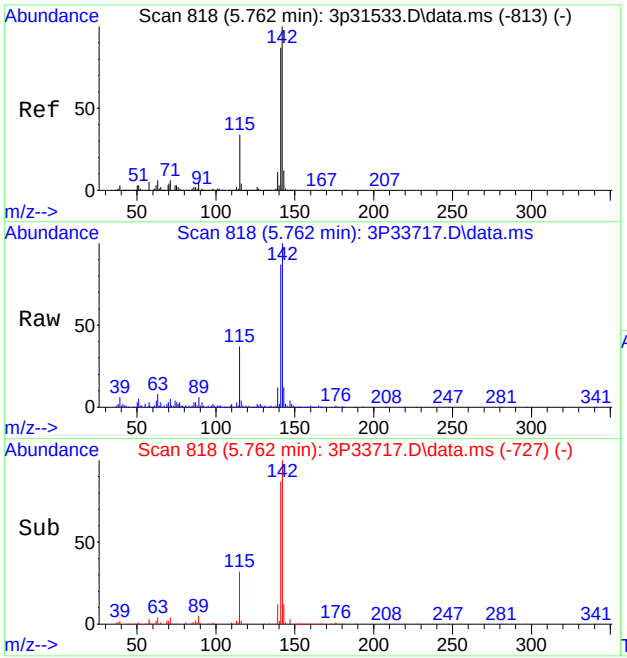


#38
Naphthalene
Concen: 17.33 ppb
RT: 5.265 min Scan# 725
Delta R.T. -0.011 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:128 Resp: 423804

Ion	Ratio	Lower	Upper
128	100		
129	11.7	0.0	40.9
127	14.3	0.0	42.9

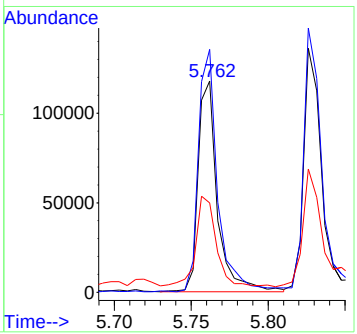


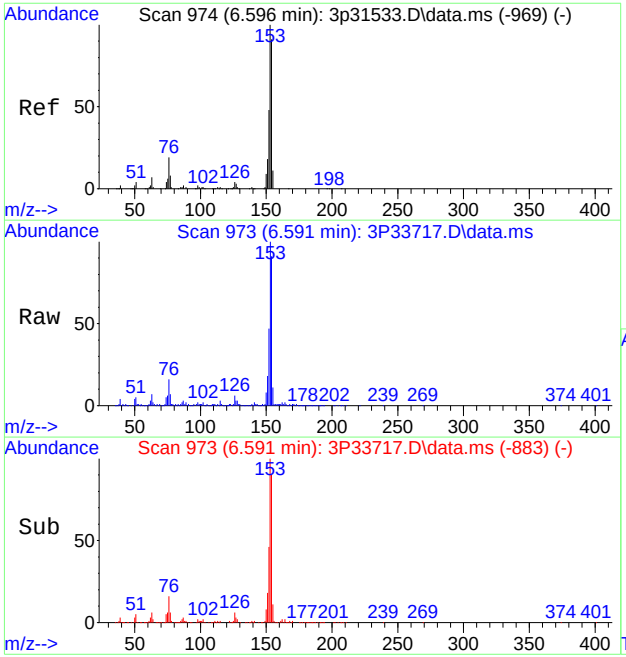


#44
2-Methylnaphthalene
Concen: 6.79 ppb
RT: 5.762 min Scan# 818
Delta R.T. -0.011 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:141 Resp: 102842

Ion	Ratio	Lower	Upper
141	100		
142	114.4	86.7	146.7
115	39.2	14.3	74.3

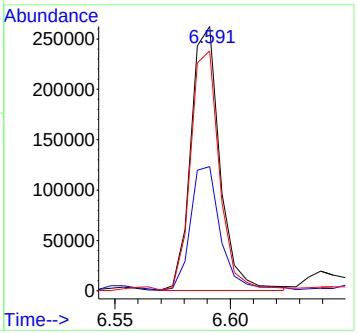


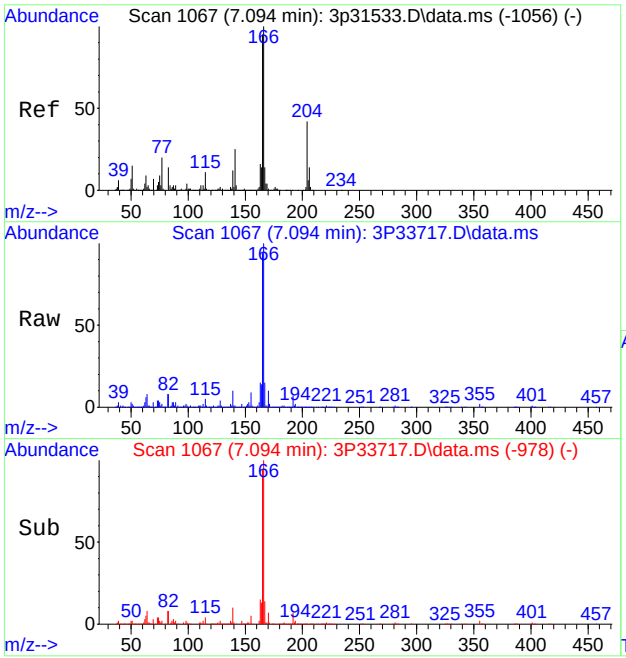


#59
Acenaphthene
Concen: 14.42 ppb
RT: 6.591 min Scan# 973
Delta R.T. -0.016 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:153 Resp: 229792

Ion	Ratio	Lower	Upper
153	100		
152	46.6	16.5	76.5
154	90.9	61.8	121.8

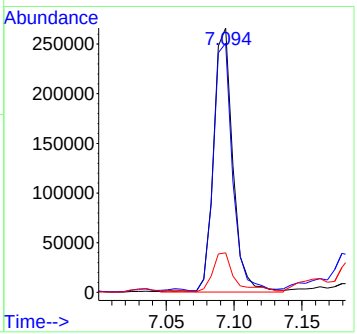


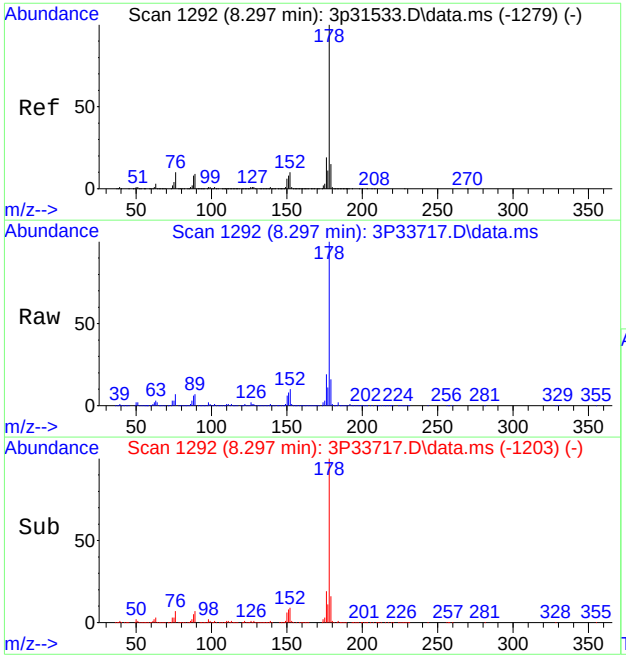


#66
Fluorene
Concen: 13.36 ppb
RT: 7.094 min Scan# 1067
Delta R.T. -0.021 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:166 Resp: 262217

Ion	Ratio	Lower	Upper
166	100		
165	93.6	63.3	123.3
167	14.5	0.0	43.2

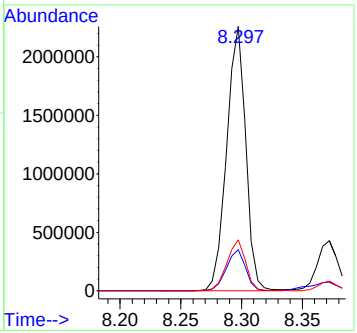


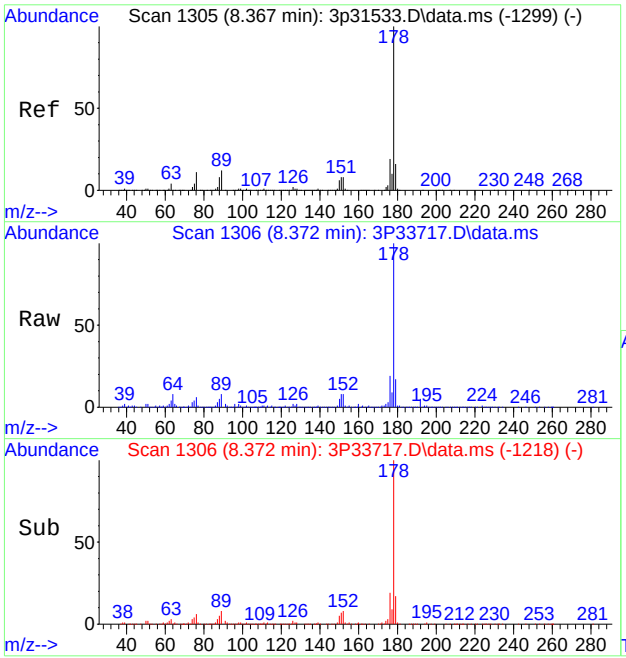


#77
Phenanthrene
Concen: 87.54 ppb
RT: 8.297 min Scan# 1292
Delta R.T. -0.021 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:178 Resp: 2474169

Ion	Ratio	Lower	Upper
178	100		
179	15.5	0.0	45.8
176	19.3	0.0	49.0

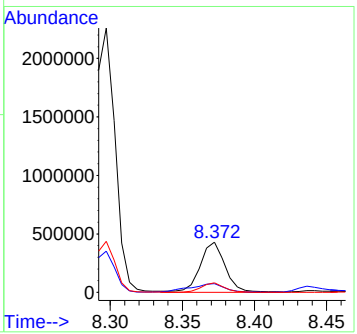


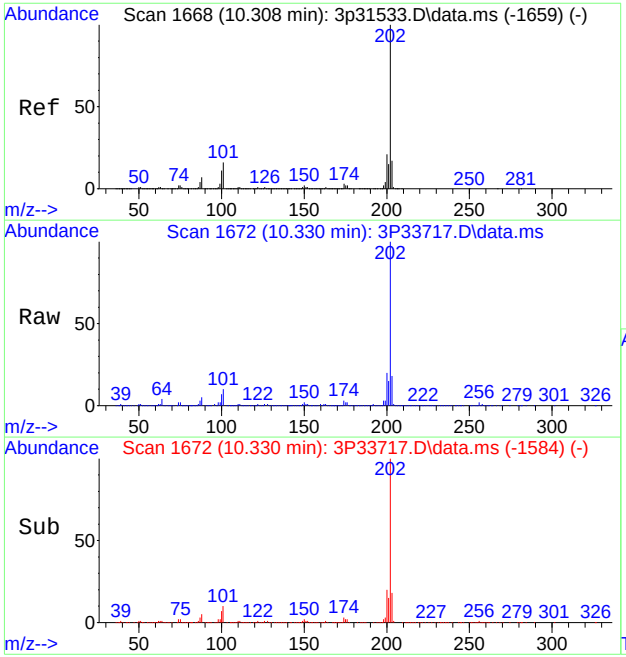


#78
Anthracene
Concen: 18.41 ppb
RT: 8.372 min Scan# 1306
Delta R.T. -0.027 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:178 Resp: 520190

Ion	Ratio	Lower	Upper
178	100		
179	16.6	0.0	44.8
176	19.2	0.0	48.8

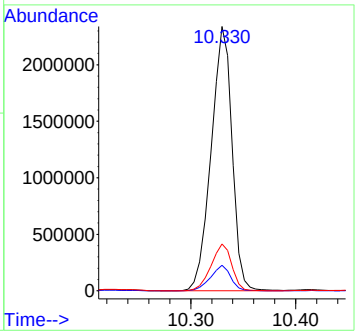


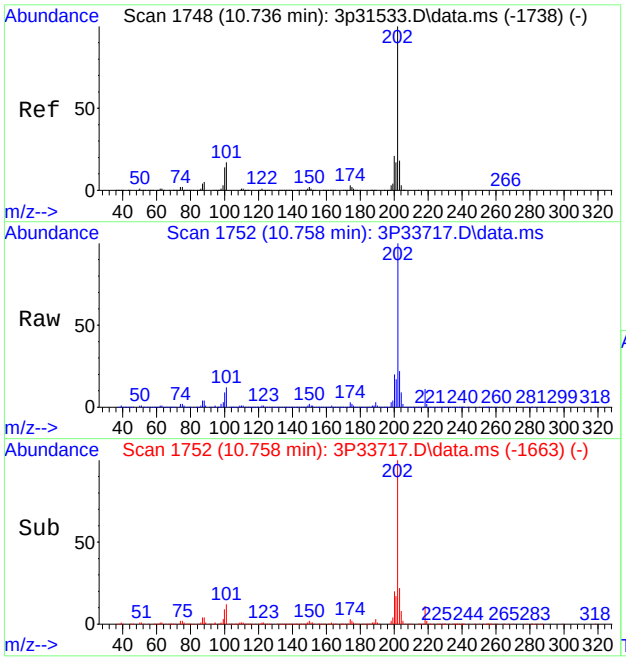


#81
Fluoranthene
Concen: 92.16 ppb
RT: 10.330 min Scan# 1672
Delta R.T. -0.027 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:202 Resp: 3234790

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	40.0
203	17.7	0.0	47.2

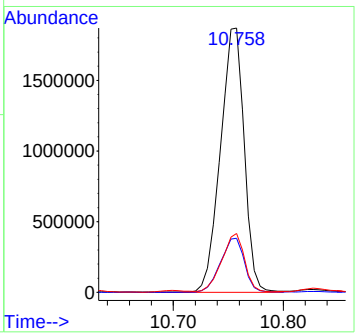


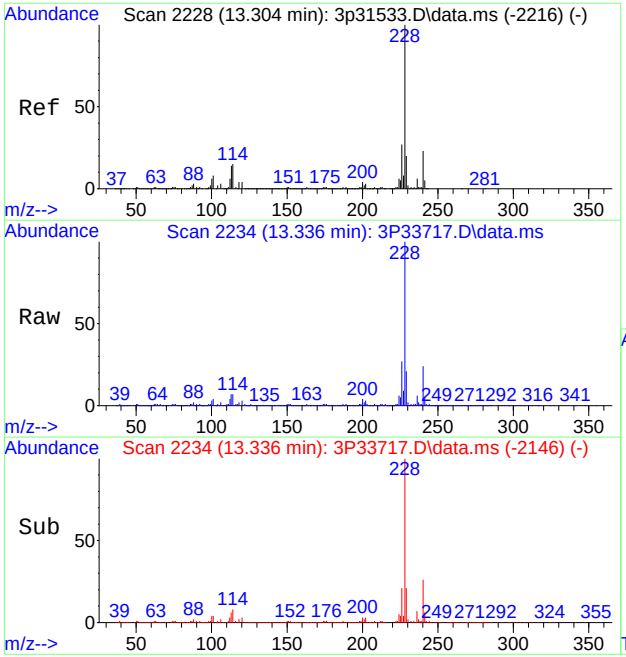


#84
Pyrene
Concen: 78.27 ppb
RT: 10.758 min Scan# 1752
Delta R.T. -0.021 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:202 Resp: 2839147

Ion	Ratio	Lower	Upper
202	100		
200	20.4	0.0	50.4
203	21.9	0.0	48.1

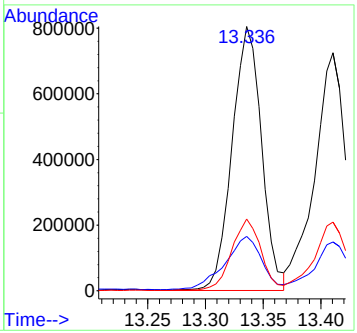


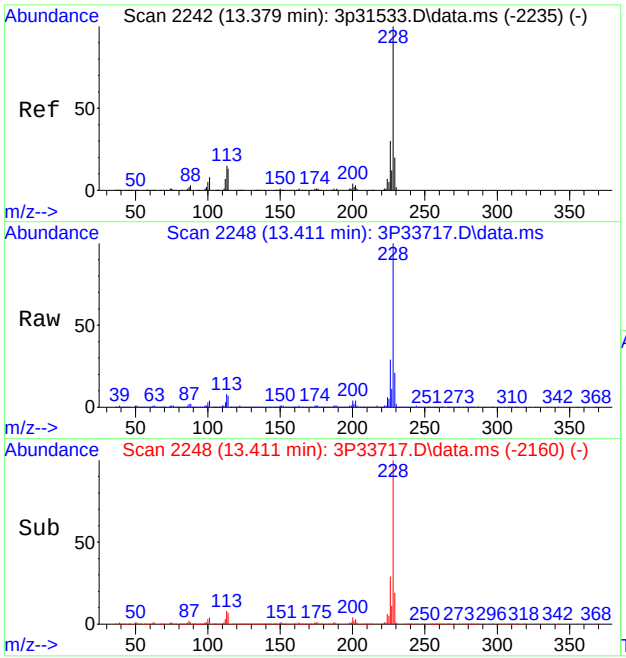


#87
Benzo[a]anthracene
Concen: 39.14 ppb
RT: 13.336 min Scan# 2234
Delta R.T. -0.027 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:228 Resp: 1433744

Ion	Ratio	Lower	Upper
228	100		
229	19.9	0.0	49.5
226	27.0	0.0	56.0

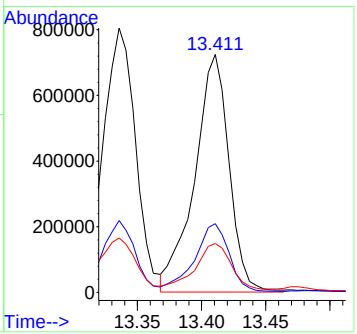


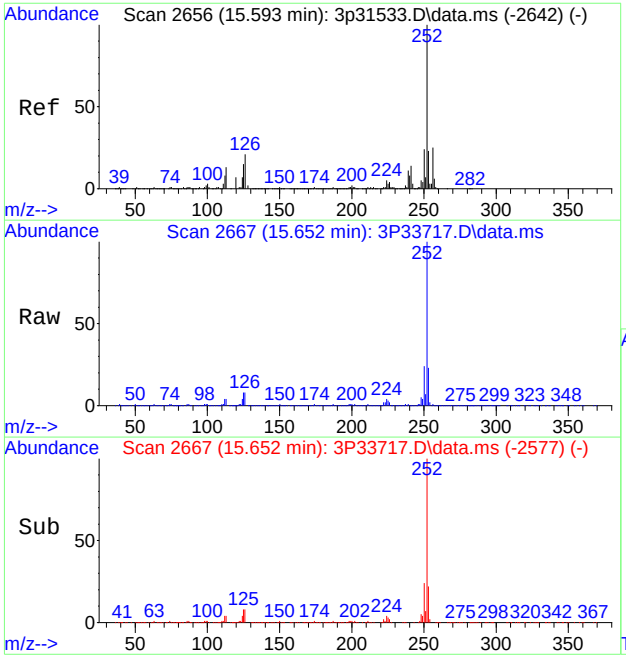


#89
Chrysene
Concen: 42.93 ppb
RT: 13.411 min Scan# 2248
Delta R.T. -0.027 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:228 Resp: 1351633

Ion	Ratio	Lower	Upper
228	100		
226	28.8	0.0	58.2
229	19.2	0.0	49.3

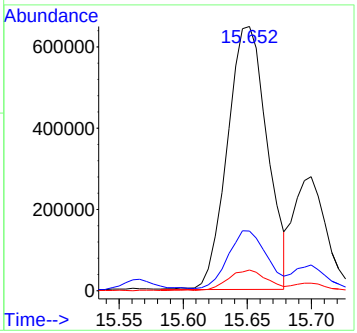


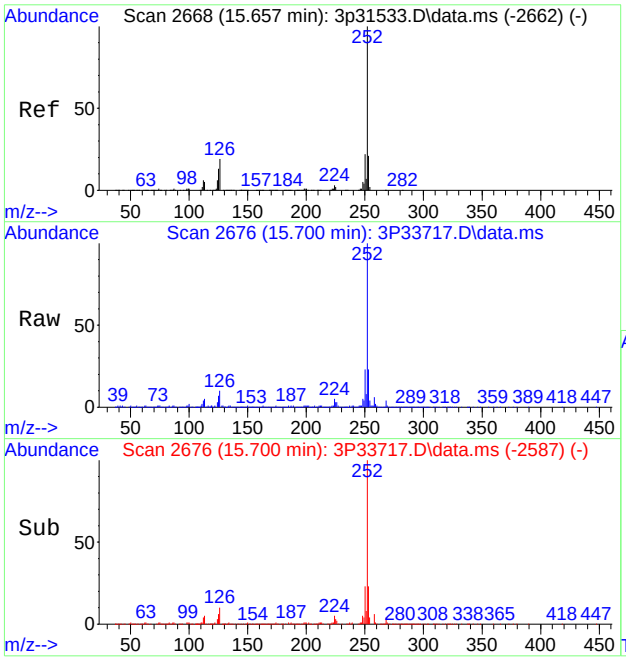


#93
Benzo[b]fluoranthene
Concen: 39.47 ppb
RT: 15.652 min Scan# 2667
Delta R.T. -0.016 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:252 Resp: 1403047

Ion	Ratio	Lower	Upper
252	100		
253	21.4	0.0	53.7
125	7.9	0.0	39.6

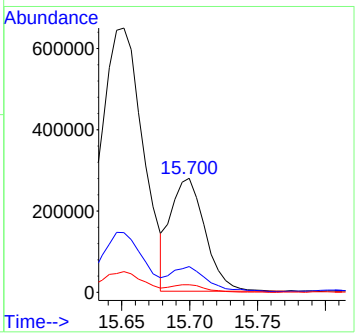


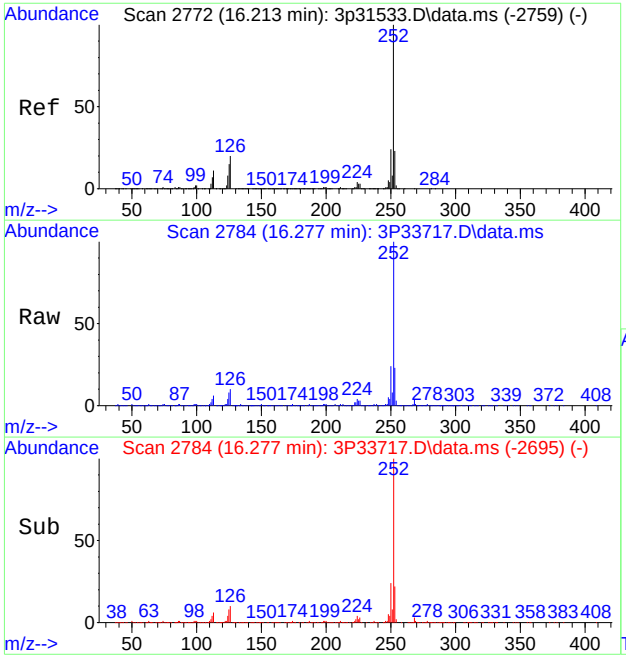


#94
Benzo[k]fluoranthene
Concen: 14.26 ppb
RT: 15.700 min Scan# 2676
Delta R.T. -0.021 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:252 Resp: 491256

Ion	Ratio	Lower	Upper
252	100		
253	21.7	0.0	52.4
125	6.0	0.0	38.8

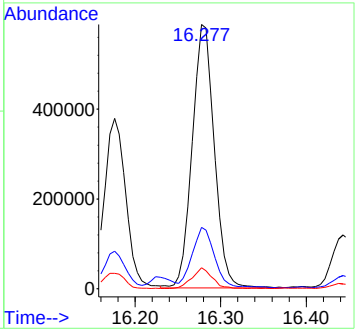


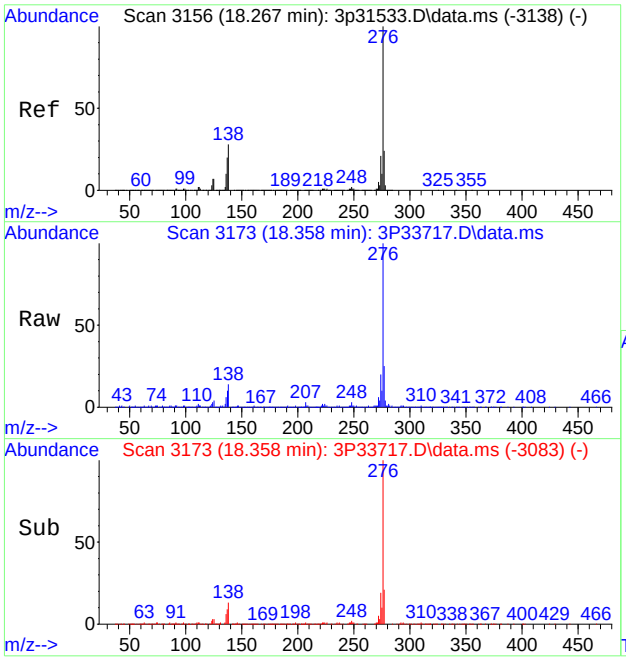


#95
Benzo[a]pyrene
Concen: 33.41 ppb
RT: 16.277 min Scan# 2784
Delta R.T. -0.021 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:252 Resp: 1055721

Ion	Ratio	Lower	Upper
252	100		
253	21.0	0.0	52.2
125	7.8	0.0	40.0

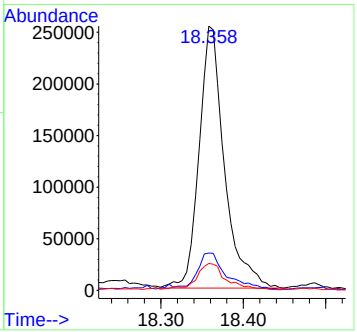


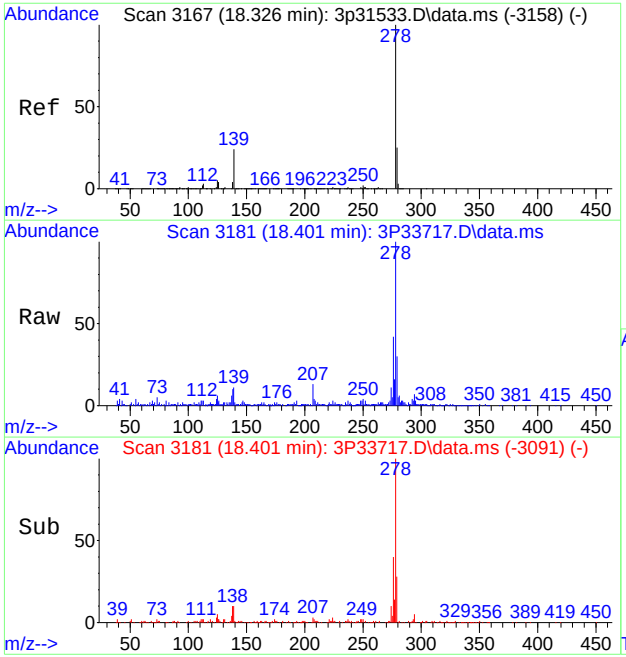


#96
Indeno[1,2,3-cd]pyrene
Concen: 16.85 ppb
RT: 18.358 min Scan# 3173
Delta R.T. -0.016 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:276 Resp: 540837

Ion	Ratio	Lower	Upper
276	100		
138	13.6	0.0	45.3
137	10.0	0.0	40.8

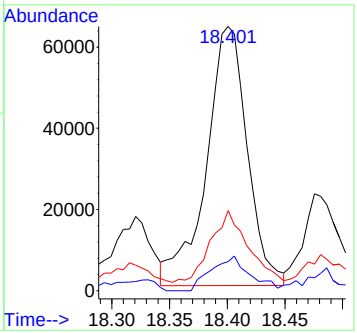


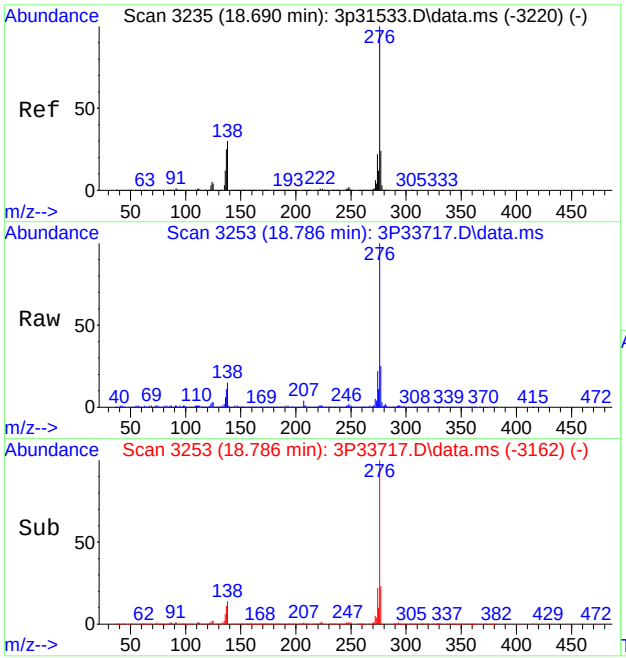


#98
Dibenz[a,h]anthracene
Concen: 5.21 ppb
RT: 18.401 min Scan# 3181
Delta R.T. -0.016 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:278 Resp: 157844

Ion	Ratio	Lower	Upper
278	100		
139	9.9	0.0	43.7
279	28.6	0.0	53.6

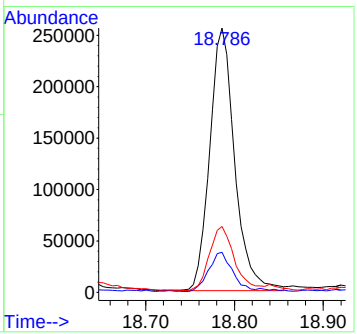




#100
Benzo[g,h,i]perylene
Concen: 17.03 ppb
RT: 18.786 min Scan# 3253
Delta R.T. -0.011 min
Lab File: 3P33717.D
Acq: 11 Jul 2014 10:28 pm

Tgt Ion:276 Resp: 496782

Ion	Ratio	Lower	Upper
276	100		
138	14.6	0.0	49.4
277	24.1	0.0	53.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33718.D
Acq On : 11 Jul 2014 10:53 pm
Operator : francism
Sample : jb69926-8
Misc : op75897,e3p1441,31.3
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 12 11:03:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

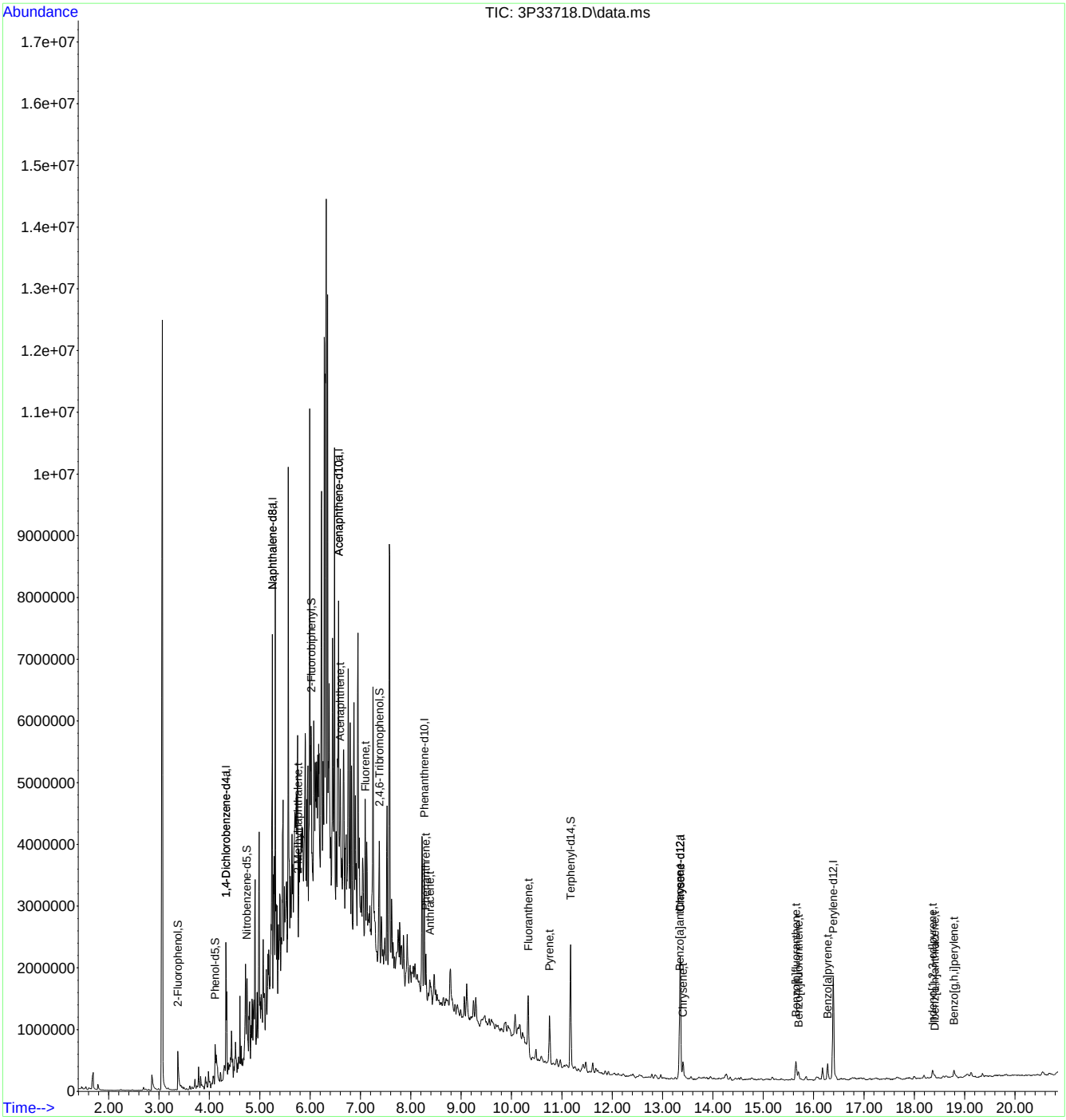
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	262312	40.00	ppb	-0.01
24) Naphthalene-d8	5.248	136	844943	40.00	ppb	-0.01
47) Acenaphthene-d10	6.564	164	490764	40.00	ppb	-0.02
69) Phenanthrene-d10	8.265	188	924320	40.00	ppb	-0.02
83) Chrysene-d12	13.352	240	1199896	40.00	ppb	-0.03
91) Perylene-d12	16.390	264	1151803	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	262312	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.564	164	491220	40.00	ppb	-0.02
106) Chrysene-d12a	13.352	240	1199896	40.00	ppb	-0.03
108) Naphthalene-d8a	5.248	136	844943	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.371	112	251077	35.17	ppb	-0.01
Spiked Amount 50.000			Recovery = 70.34%			
8) Phenol-d5	4.115	99	325736	39.07	ppb	0.00
Spiked Amount 50.000			Recovery = 78.14%			
25) Nitrobenzene-d5	4.740	82	281404	38.02	ppb	-0.01
Spiked Amount 50.000			Recovery = 76.04%			
51) 2-Fluorobiphenyl	6.024	172	644846	41.64	ppb	-0.01
Spiked Amount 50.000			Recovery = 83.28%			
73) 2,4,6-Tribromophenol	7.377	330	118631	43.22	ppb	-0.01
Spiked Amount 50.000			Recovery = 86.44%			
85) Terphenyl-d14	11.175	244	1067061	44.70	ppb	-0.03
Spiked Amount 50.000			Recovery = 89.40%			
Target Compounds						Qvalue
44) 2-Methylnaphthalene	5.762	141	37958	3.06	ppb	87
59) Acenaphthene	6.596	153	80513	6.49	ppb	91
66) Fluorene	7.099	166	144359	9.45	ppb	92
77) Phenanthrene	8.297	178	319437	14.20	ppb	97
78) Anthracene	8.377	178	92851	4.13	ppb	86
81) Fluoranthene	10.330	202	495639	17.74	ppb	97
84) Pyrene	10.752	202	460608	14.11	ppb	96
87) Benzo[a]anthracene	13.336	228	245529	7.45	ppb	99
89) Chrysene	13.405	228	243771	8.60	ppb	99
93) Benzo[b]fluoranthene	15.646	252	262068	7.59	ppb	93
94) Benzo[k]fluoranthene	15.700	252	98336	2.94	ppb	91
95) Benzo[a]pyrene	16.277	252	195888	6.39	ppb	94
96) Indeno[1,2,3-cd]pyrene	18.363	276	113475	3.64	ppb	94
98) Dibenz[a,h]anthracene	18.406	278	31735	1.08	ppb	99
100) Benzo[g,h,i]perylene	18.786	276	111302	3.93	ppb	97

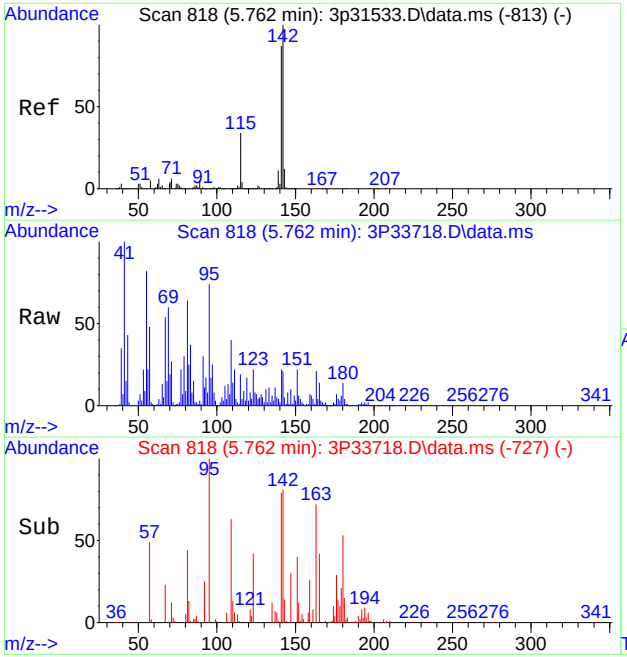
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33718.D
Acq On : 11 Jul 2014 10:53 pm
Operator : francism
Sample : jb69926-8
Misc : op75897,e3p1441,31.3
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 12 11:03:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

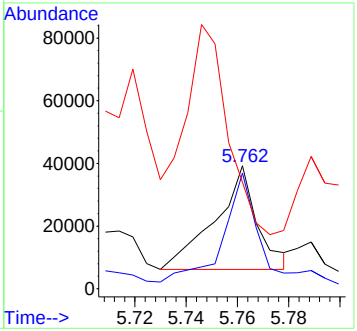


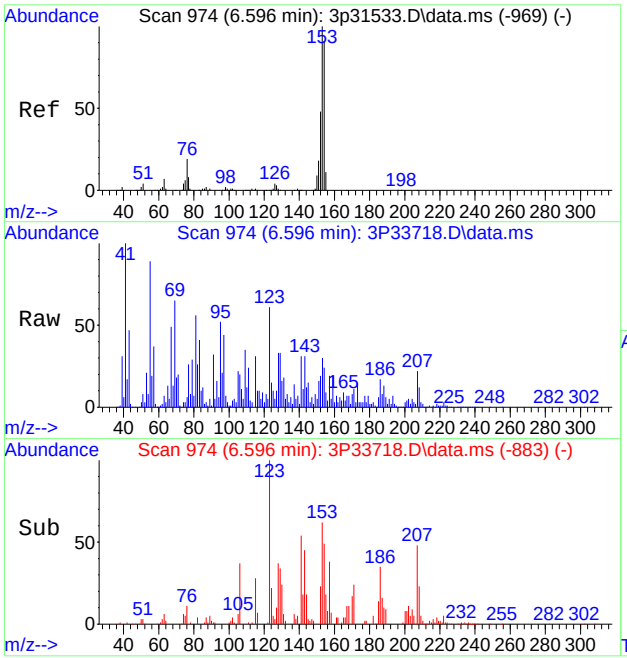


#44
2-Methylnaphthalene
Concen: 3.06 ppb
RT: 5.762 min Scan# 818
Delta R.T. -0.011 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:141 Resp: 37958

Ion	Ratio	Lower	Upper
141	100		
142	109.5	86.7	146.7
115	23.9	14.3	74.3

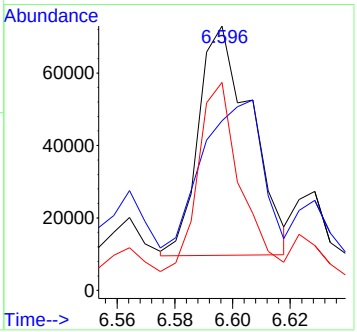


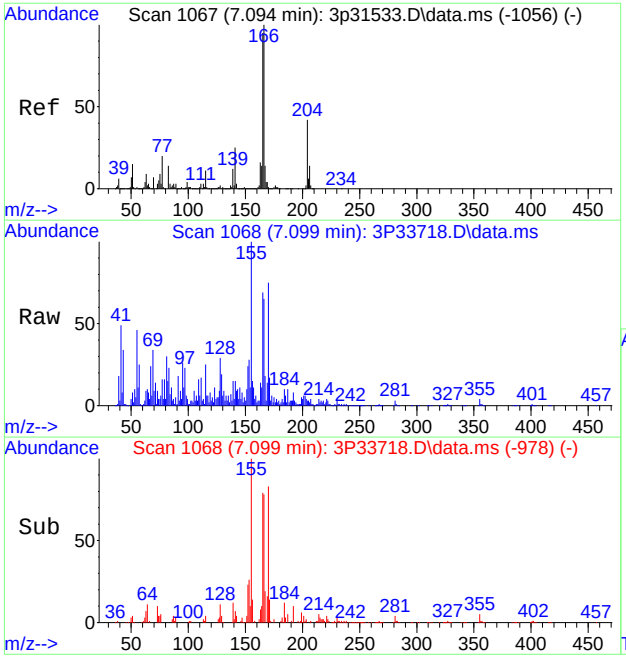


#59
Acenaphthene
Concen: 6.49 ppb
RT: 6.596 min Scan# 974
Delta R.T. -0.011 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:153 Resp: 80513

Ion	Ratio	Lower	Upper
153	100		
152	57.5	16.5	76.5
154	86.5	61.8	121.8

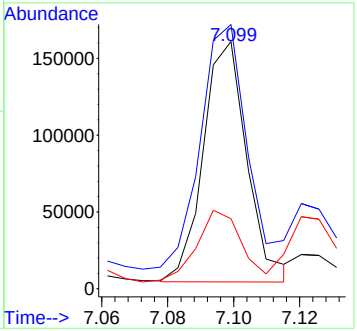


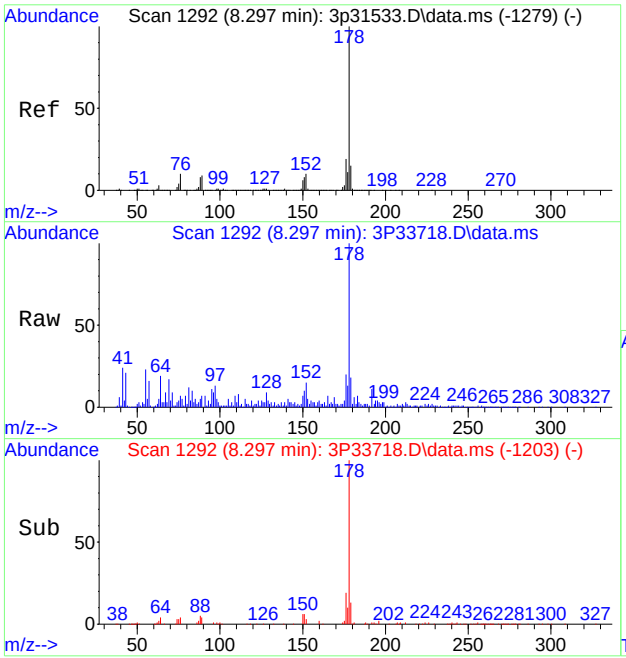


#66
Fluorene
Concen: 9.45 ppb
RT: 7.099 min Scan# 1068
Delta R.T. -0.016 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:166 Resp: 144359

Ion	Ratio	Lower	Upper
166	100		
165	99.4	63.3	123.3
167	21.1	0.0	43.2

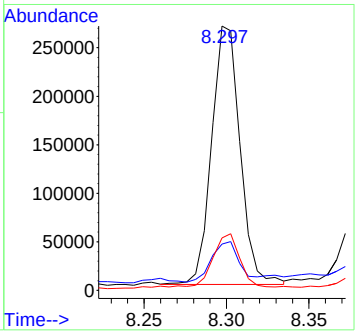


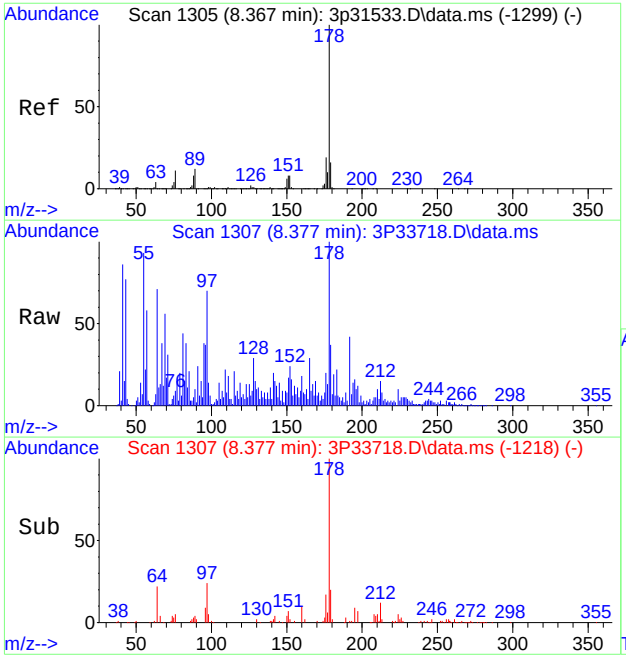


#77
Phenanthrene
Concen: 14.20 ppb
RT: 8.297 min Scan# 1292
Delta R.T. -0.021 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:178 Resp: 319437

Ion	Ratio	Lower	Upper
178	100		
179	13.1	0.0	45.8
176	18.9	0.0	49.0

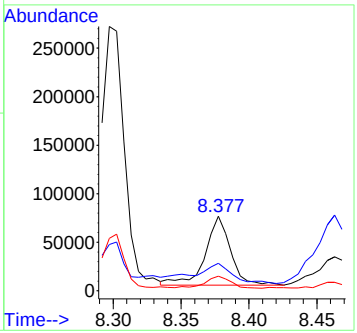


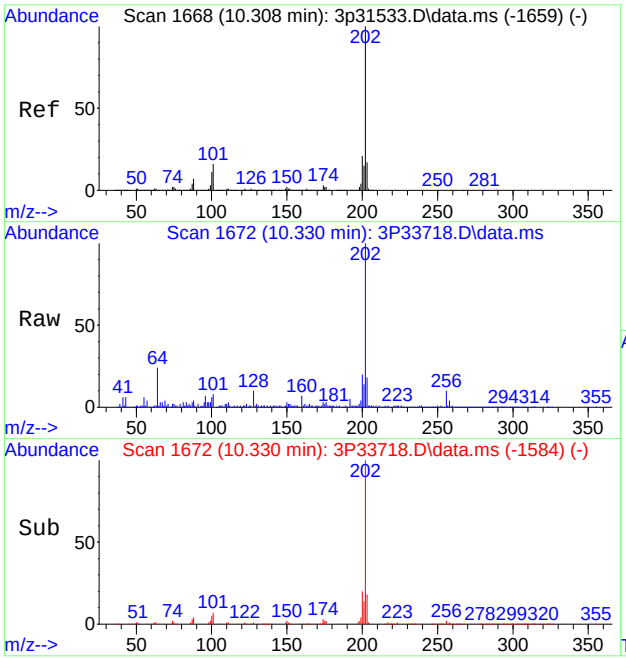


#78
Anthracene
Concen: 4.13 ppb
RT: 8.377 min Scan# 1307
Delta R.T. -0.021 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:178 Resp: 92851

Ion	Ratio	Lower	Upper
178	100		
179	24.9	0.0	44.8
176	16.4	0.0	48.8

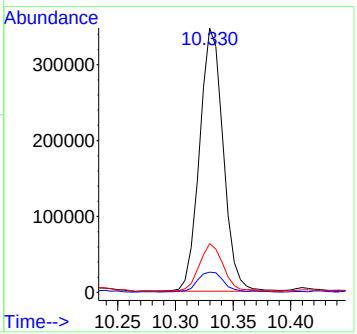


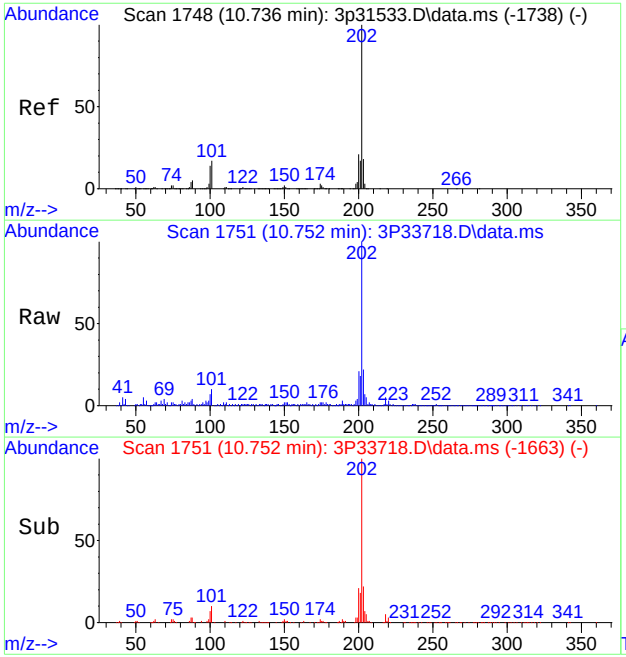


#81
Fluoranthene
Concen: 17.74 ppb
RT: 10.330 min Scan# 1672
Delta R.T. -0.027 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:202 Resp: 495639

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	40.0
203	17.9	0.0	47.2

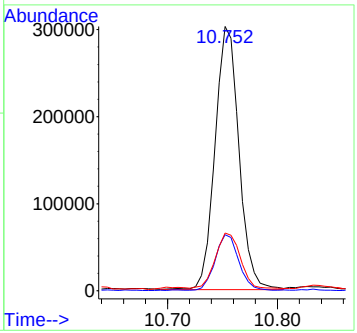


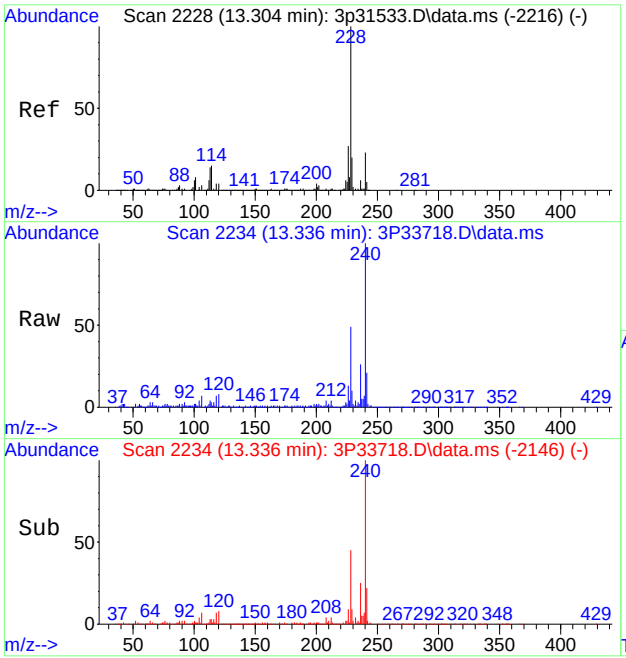


#84
Pyrene
Concen: 14.11 ppb
RT: 10.752 min Scan# 1751
Delta R.T. -0.027 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:202 Resp: 460608

Ion	Ratio	Lower	Upper
202	100		
200	21.1	0.0	50.4
203	21.0	0.0	48.1

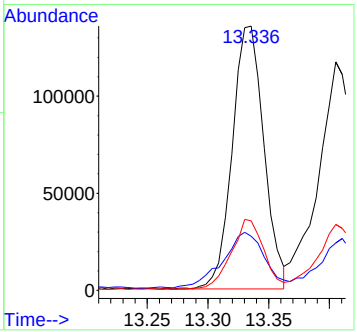


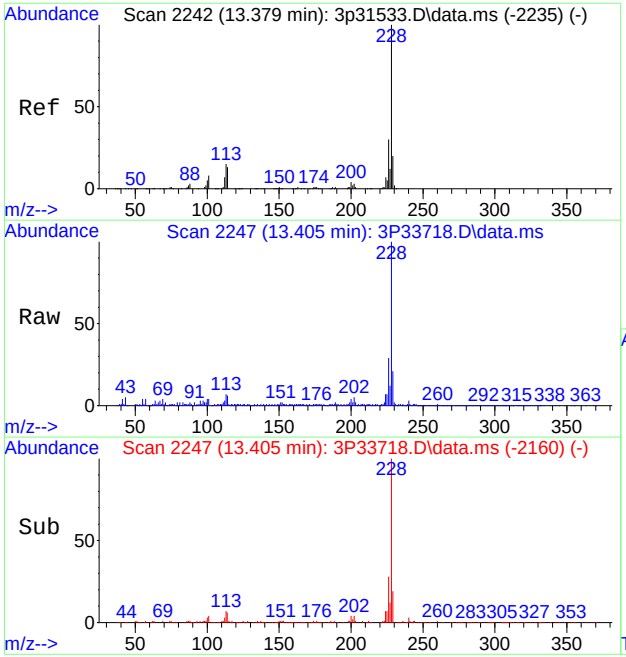


#87
Benzo[a]anthracene
Concen: 7.45 ppb
RT: 13.336 min Scan# 2234
Delta R.T. -0.027 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:228 Resp: 245529

Ion	Ratio	Lower	Upper
228	100		
229	18.8	0.0	49.5
226	25.9	0.0	56.0

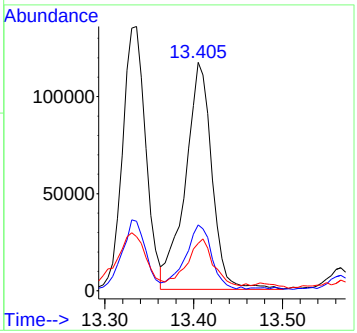


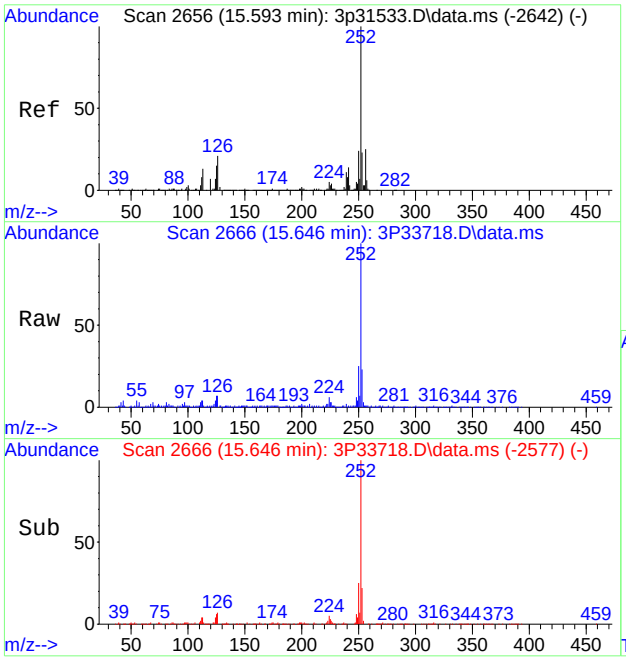


#89
Chrysene
Concen: 8.60 ppb
RT: 13.405 min Scan# 2247
Delta R.T. -0.032 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:228 Resp: 243771

Ion	Ratio	Lower	Upper
228	100		
226	28.3	0.0	58.2
229	18.5	0.0	49.3

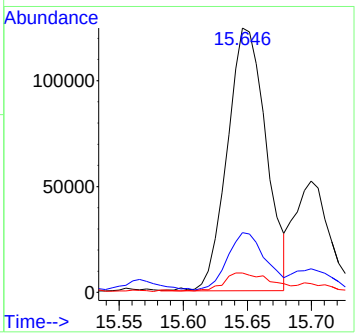


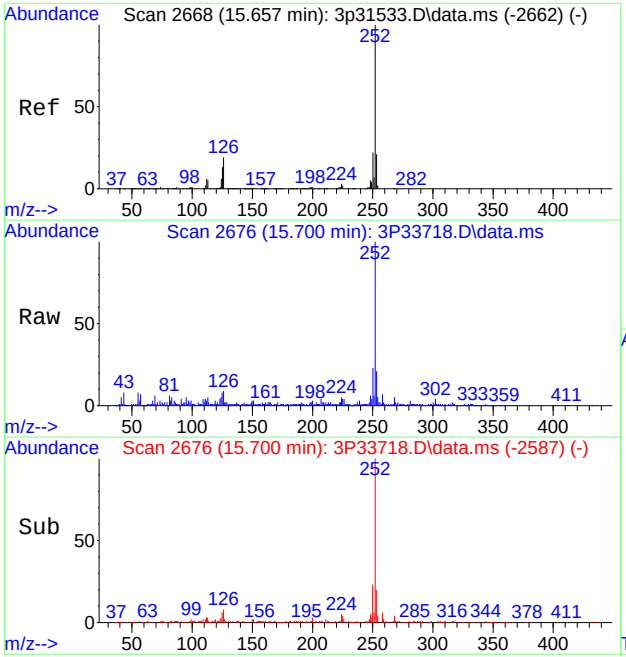


#93
Benzo[b]fluoranthene
Concen: 7.59 ppb
RT: 15.646 min Scan# 2666
Delta R.T. -0.021 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:252 Resp: 262068

Ion	Ratio	Lower	Upper
252	100		
253	20.8	0.0	53.7
125	6.0	0.0	39.6

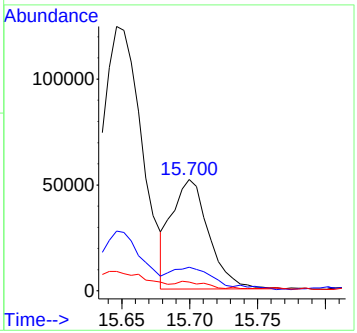


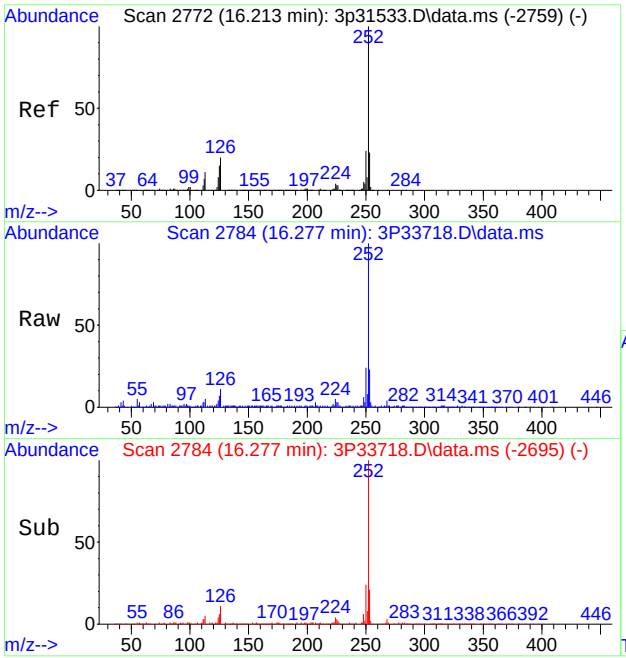


#94
Benzo[k]fluoranthene
Concen: 2.94 ppb
RT: 15.700 min Scan# 2676
Delta R.T. -0.021 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:252 Resp: 98336

Ion	Ratio	Lower	Upper
252	100		
253	18.8	0.0	52.4
125	4.1	0.0	38.8

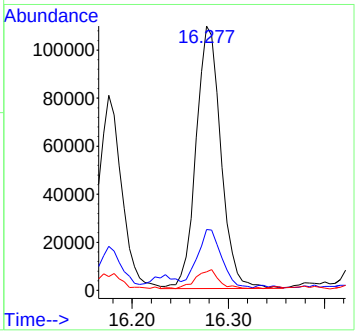


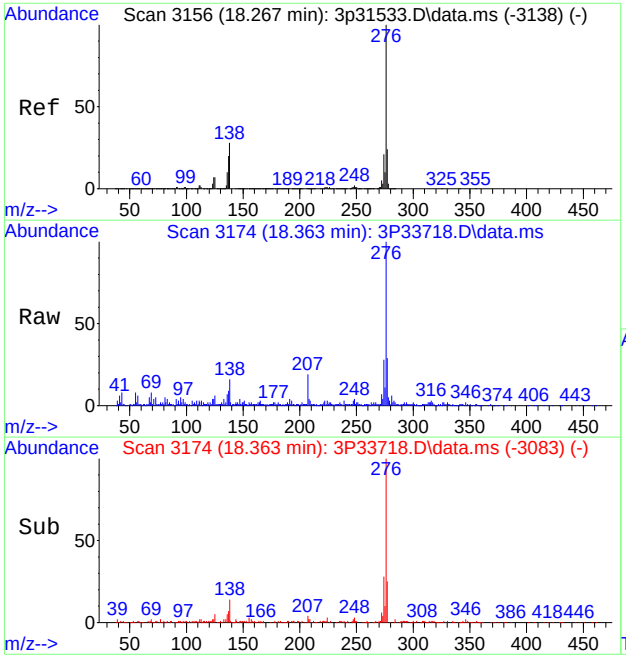


#95
Benzo[a]pyrene
Concen: 6.39 ppb
RT: 16.277 min Scan# 2784
Delta R.T. -0.021 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:252 Resp: 195888

Ion	Ratio	Lower	Upper
252	100		
253	20.4	0.0	52.2
125	6.3	0.0	40.0

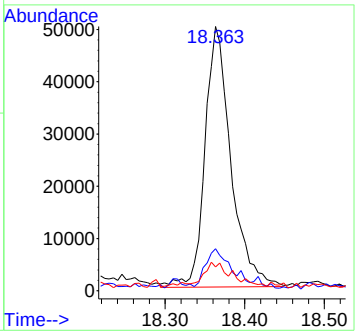


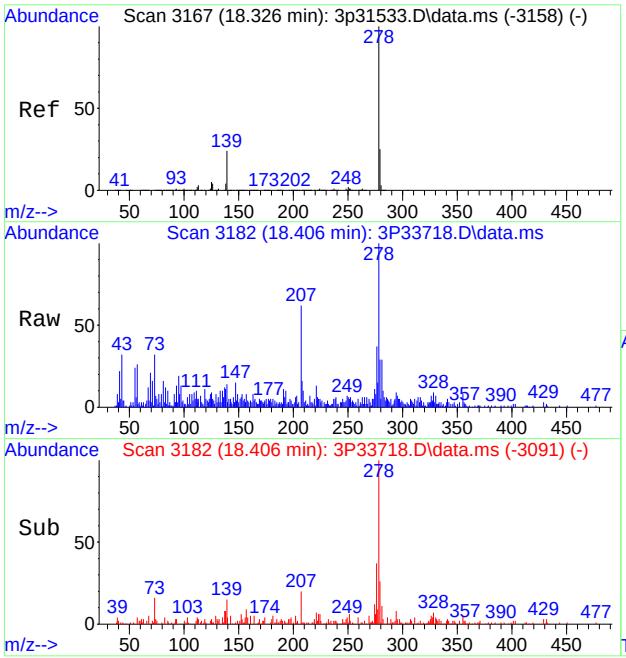


#96
Indeno[1,2,3-cd]pyrene
Concen: 3.64 ppb
RT: 18.363 min Scan# 3174
Delta R.T. -0.011 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:276 Resp: 113475

Ion	Ratio	Lower	Upper
276	100		
138	14.4	0.0	45.3
137	6.2	0.0	40.8

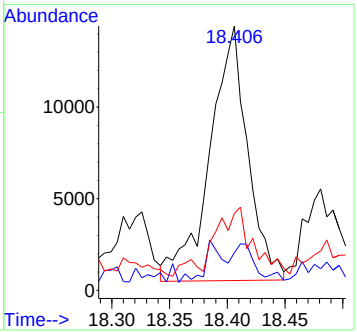


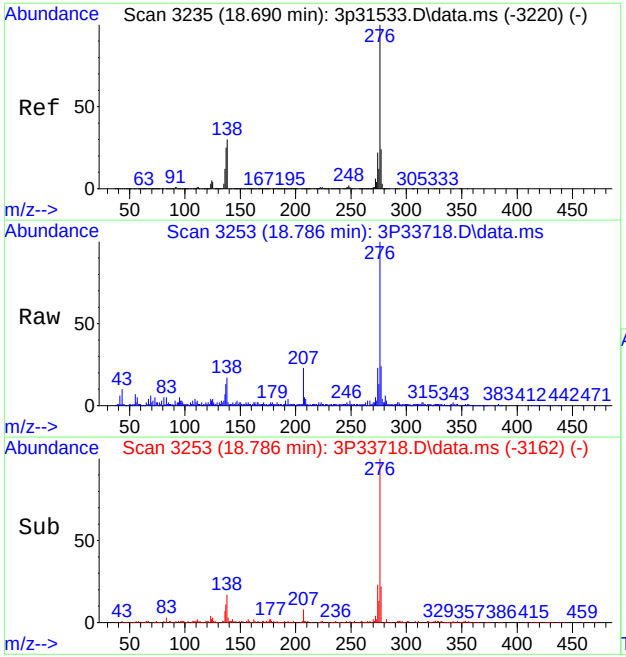


#98
Dibenz[a,h]anthracene
Concen: 1.08 ppb
RT: 18.406 min Scan# 3182
Delta R.T. -0.011 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:278 Resp: 31735

Ion	Ratio	Lower	Upper
278	100		
139	13.4	0.0	43.7
279	22.7	0.0	53.6

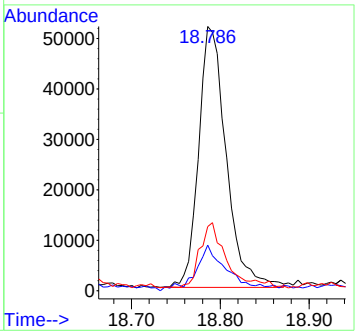




#100
Benzo[g,h,i]perylene
Concen: 3.93 ppb
RT: 18.786 min Scan# 3253
Delta R.T. -0.011 min
Lab File: 3P33718.D
Acq: 11 Jul 2014 10:53 pm

Tgt Ion:276 Resp: 111302

Ion	Ratio	Lower	Upper
276	100		
138	16.5	0.0	49.4
277	23.2	0.0	53.3



Manual Integrations APPROVED (compounds with "m" flag)
Cheng-Hwan Ao
07/13/14 14:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33719.D
Acq On : 11 Jul 2014 11:18 pm
Operator : francism
Sample : jb69926-9
Misc : op75897,e3p1441,30.6
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 12 11:05:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

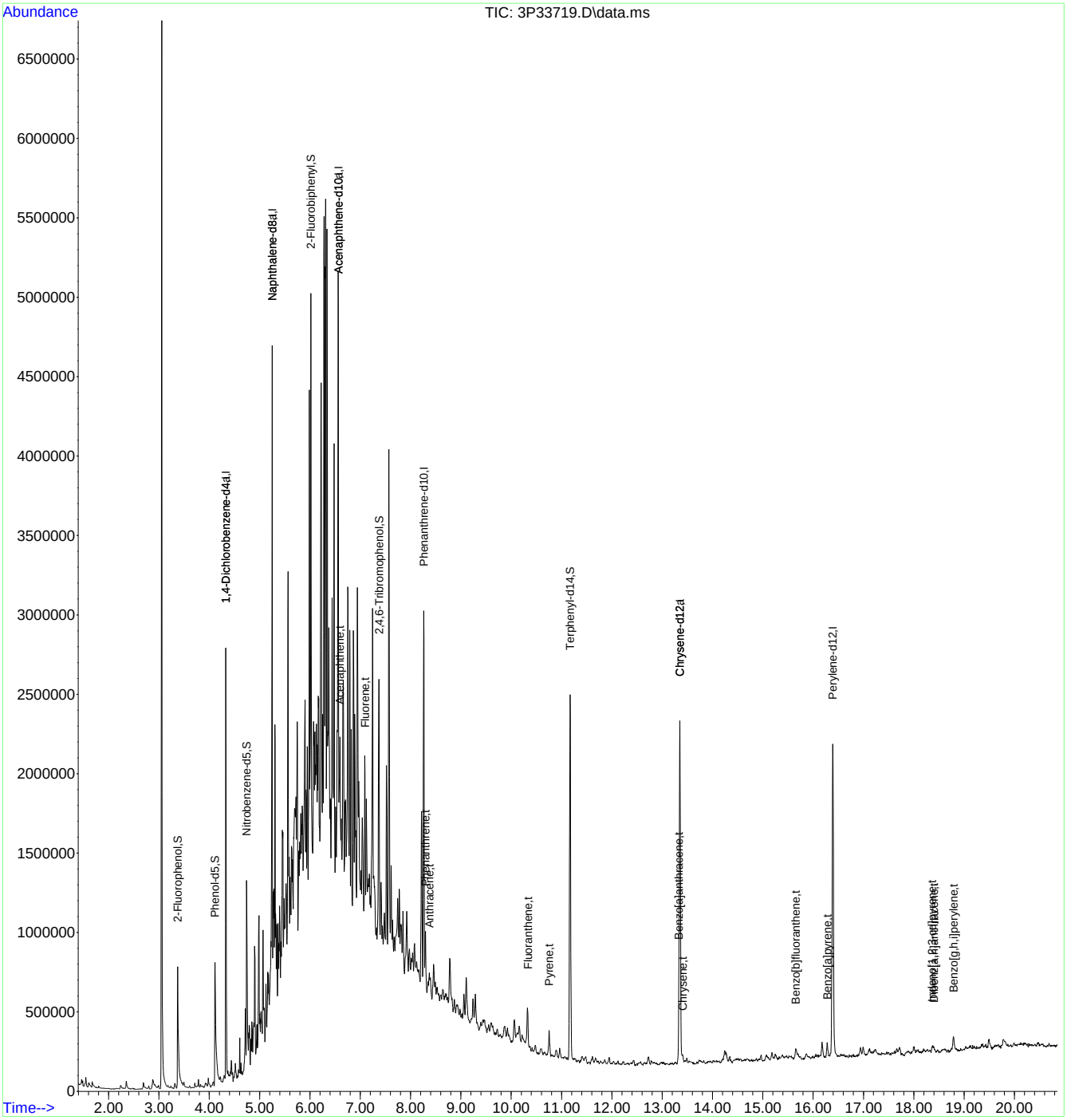
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	326334	40.00	ppb	-0.01
24) Naphthalene-d8	5.249	136	1032544	40.00	ppb	-0.01
47) Acenaphthene-d10	6.564	164	597045	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	1059137	40.00	ppb	-0.03
83) Chrysene-d12	13.352	240	1397786	40.00	ppb	-0.03
91) Perylene-d12	16.390	264	1352431	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	326334	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.564	164	597045	40.00	ppb	-0.02
106) Chrysene-d12a	13.352	240	1397786	40.00	ppb	-0.03
108) Naphthalene-d8a	5.249	136	1032544	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.371	112	321919	36.24	ppb	-0.01
Spiked Amount 50.000			Recovery =	72.48%		
8) Phenol-d5	4.115	99	403374	38.89	ppb	0.00
Spiked Amount 50.000			Recovery =	77.78%		
25) Nitrobenzene-d5	4.741	82	399571	44.18	ppb	-0.01
Spiked Amount 50.000			Recovery =	88.36%		
51) 2-Fluorobiphenyl	6.019	172	795351	42.21	ppb	-0.02
Spiked Amount 50.000			Recovery =	84.42%		
73) 2,4,6-Tribromophenol	7.372	330	159549	50.73	ppb	-0.02
Spiked Amount 50.000			Recovery =	101.46%		
85) Terphenyl-d14	11.170	244	1265505	45.51	ppb	-0.03
Spiked Amount 50.000			Recovery =	91.02%		
Target Compounds						Qvalue
59) Acenaphthene	6.591	153	40838	2.71	ppb	93
66) Fluorene	7.094	166	78532	4.22	ppb	96
77) Phenanthrene	8.297	178	180422	7.00	ppb	95
78) Anthracene	8.372	178	29770	1.15	ppb	77
81) Fluoranthene	10.330	202	80352	2.51	ppb	95
84) Pyrene	10.752	202	82892	2.18	ppb	96
87) Benzo[a]anthracene	13.330	228	51643	1.35	ppb	91
89) Chrysene	13.411	228	50153	1.52	ppb	83
93) Benzo[b]fluoranthene	15.652	252	44357	1.09	ppb	91
95) Benzo[a]pyrene	16.283	252	62888m	1.75	ppb	
96) Indeno[1,2,3-cd]pyrene	18.364	276	32651	0.89	ppb	96
98) Dibenz[a,h]anthracene	18.401	278	14766	0.43	ppb	79
100) Benzo[g,h,i]perylene	18.791	276	79530	2.39	ppb	89

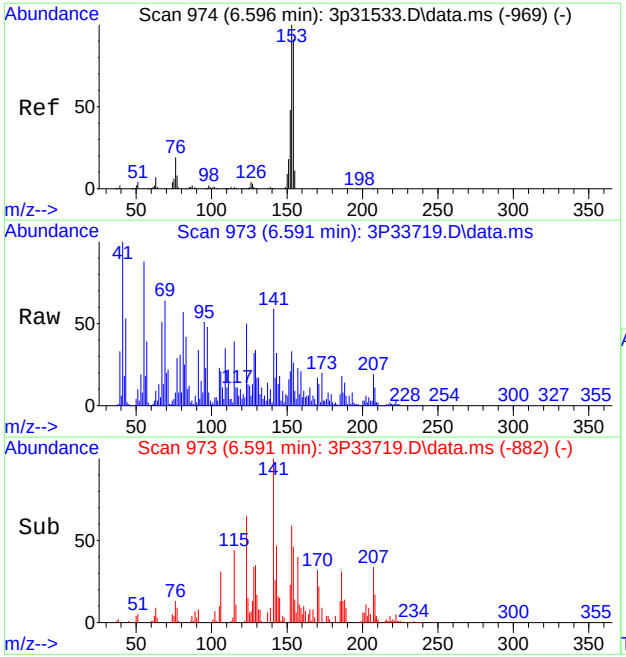
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33719.D
Acq On : 11 Jul 2014 11:18 pm
Operator : francism
Sample : jb69926-9
Misc : op75897,e3p1441,30.6
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 12 11:05:21 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

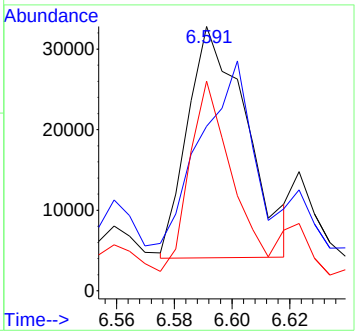


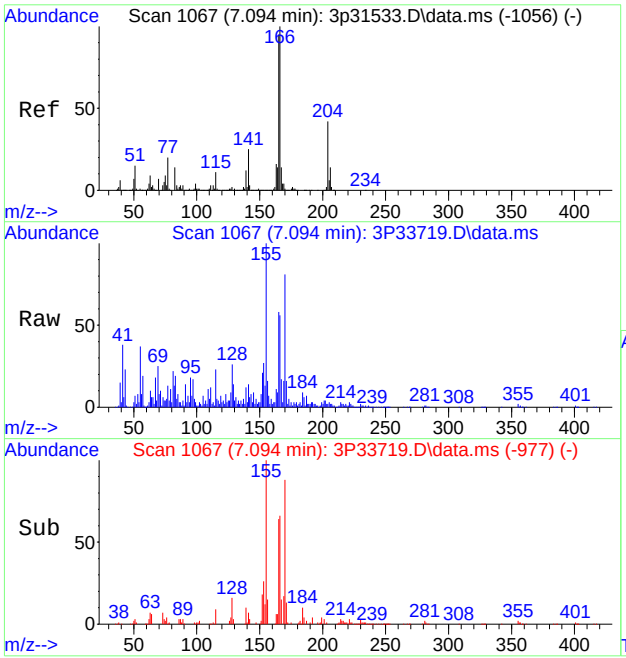


#59
Acenaphthene
Concen: 2.71 ppb
RT: 6.591 min Scan# 973
Delta R.T. -0.016 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:153 Resp: 40838

Ion	Ratio	Lower	Upper
153	100		
152	49.4	16.5	76.5
154	83.9	61.8	121.8

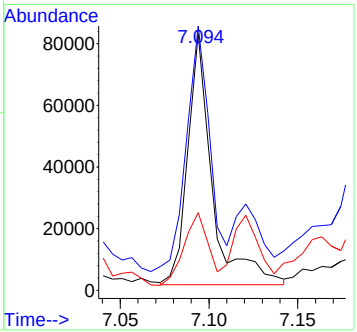


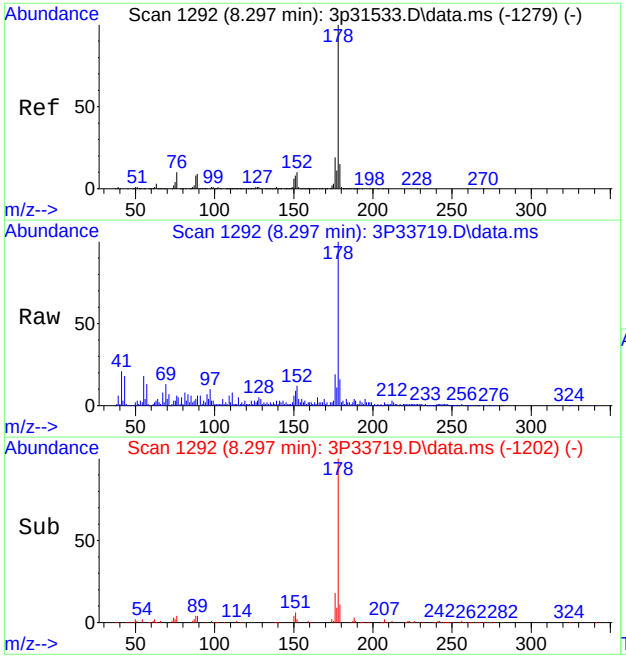


#66
Fluorene
Concen: 4.22 ppb
RT: 7.094 min Scan# 1067
Delta R.T. -0.021 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:166 Resp: 78532

Ion	Ratio	Lower	Upper
166	100		
165	94.2	63.3	123.3
167	24.8	0.0	43.2

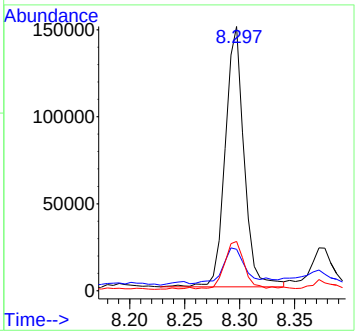


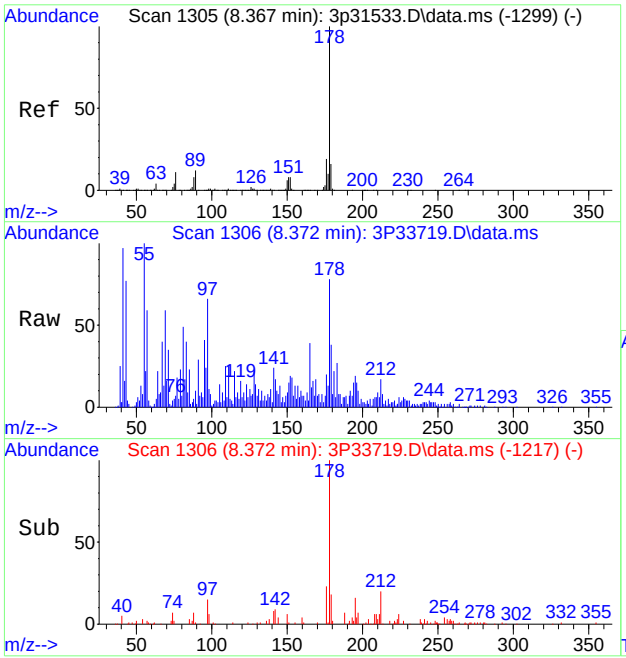


#77
Phenanthrene
Concen: 7.00 ppb
RT: 8.297 min Scan# 1292
Delta R.T. -0.021 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:178 Resp: 180422

Ion	Ratio	Lower	Upper
178	100		
179	12.6	0.0	45.8
176	18.0	0.0	49.0

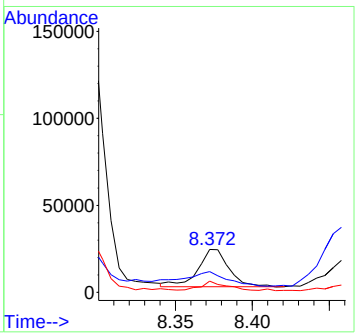


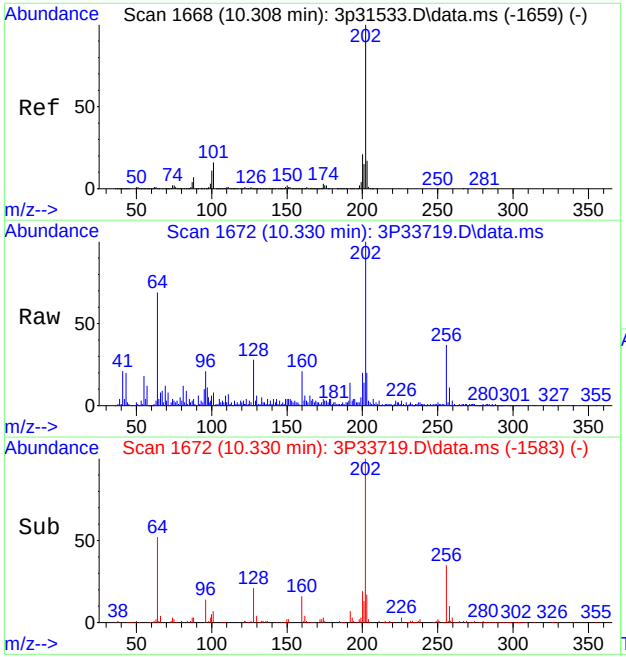


#78
Anthracene
Concen: 1.15 ppb
RT: 8.372 min Scan# 1306
Delta R.T. -0.027 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:178 Resp: 29770

Ion	Ratio	Lower	Upper
178	100		
179	31.1	0.0	44.8
176	23.3	0.0	48.8

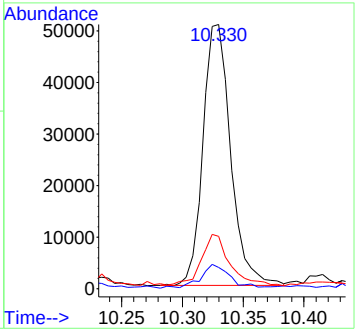


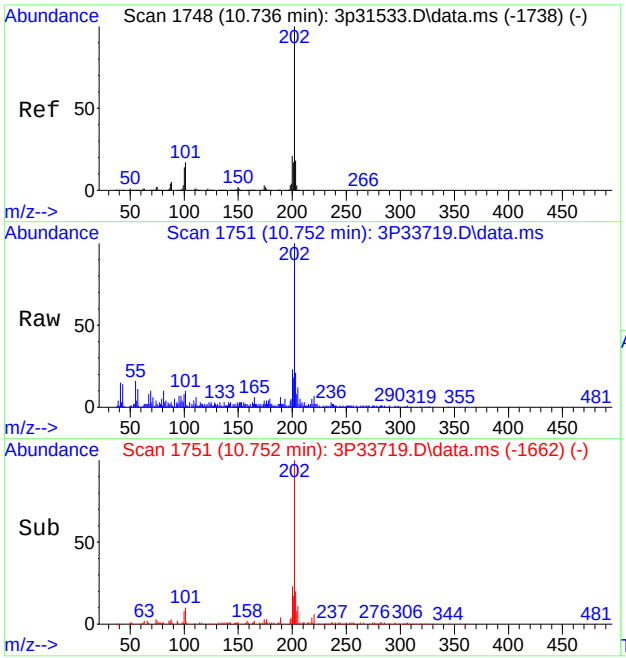


#81
Fluoranthene
Concen: 2.51 ppb
RT: 10.330 min Scan# 1672
Delta R.T. -0.027 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:202 Resp: 80352

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	40.0
203	18.8	0.0	47.2

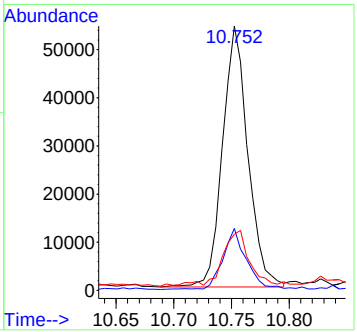


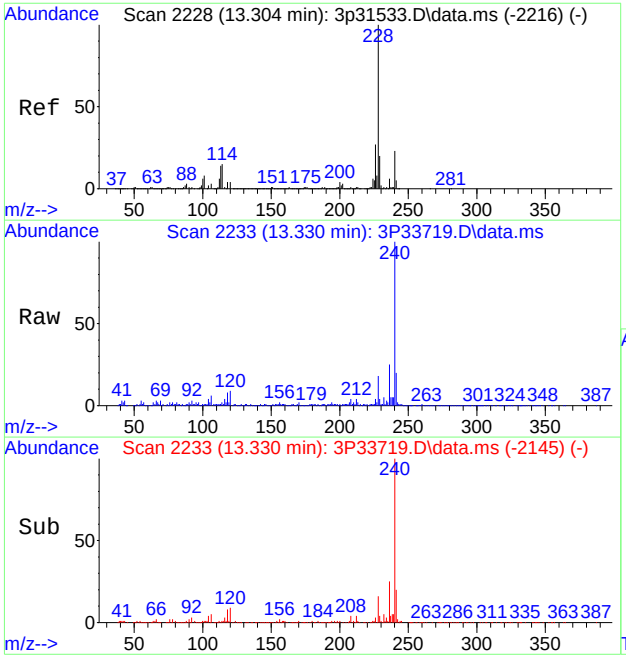


#84
Pyrene
Concen: 2.18 ppb
RT: 10.752 min Scan# 1751
Delta R.T. -0.027 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:202 Resp: 82892

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	50.4
203	19.1	0.0	48.1

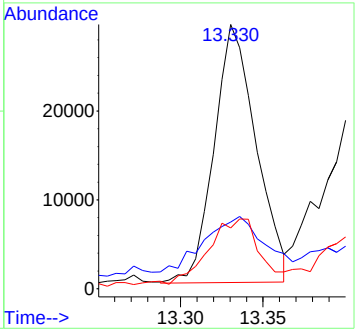


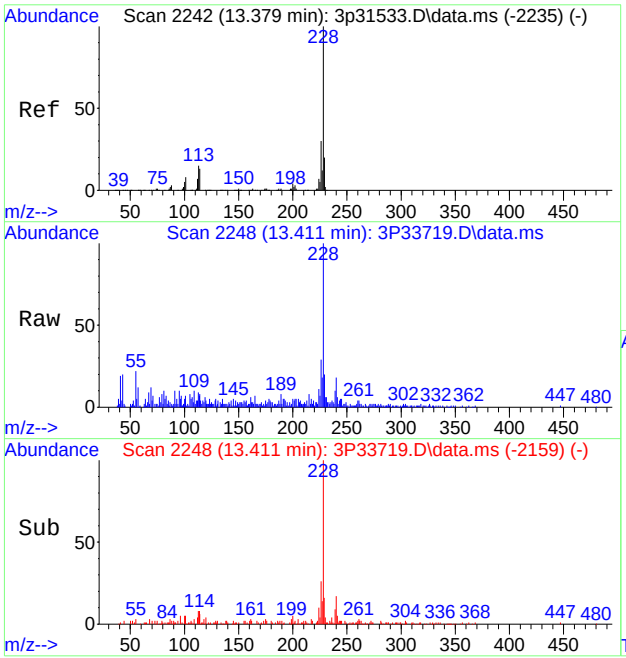


#87
Benzo[a]anthracene
Concen: 1.35 ppb
RT: 13.330 min Scan# 2233
Delta R.T. -0.032 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:228 Resp: 51643

Ion	Ratio	Lower	Upper
228	100		
229	16.6	0.0	49.5
226	19.9	0.0	56.0

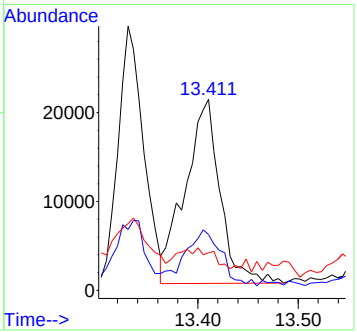


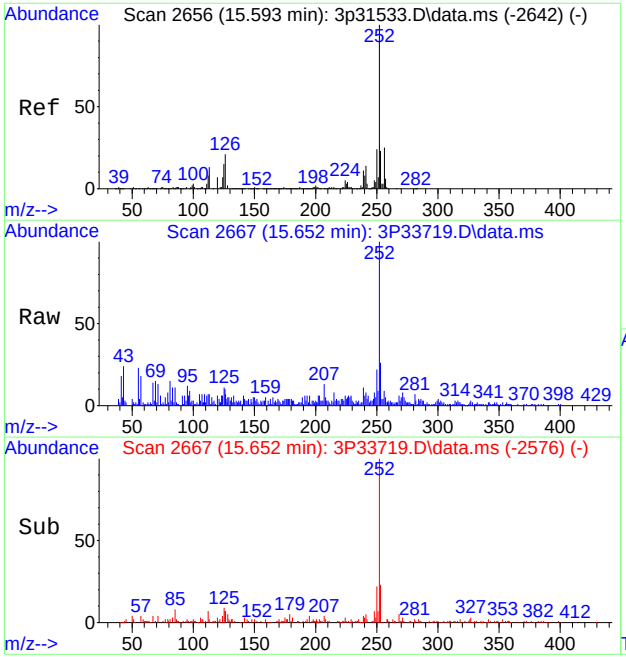


#89
Chrysene
Concen: 1.52 ppb
RT: 13.411 min Scan# 2248
Delta R.T. -0.027 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:228 Resp: 50153

Ion	Ratio	Lower	Upper
228	100		
226	26.3	0.0	58.2
229	3.0	0.0	49.3

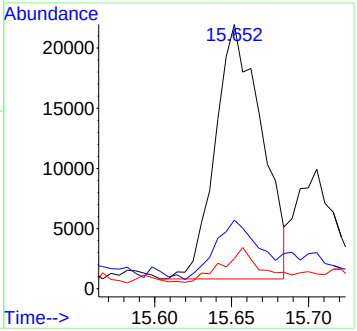


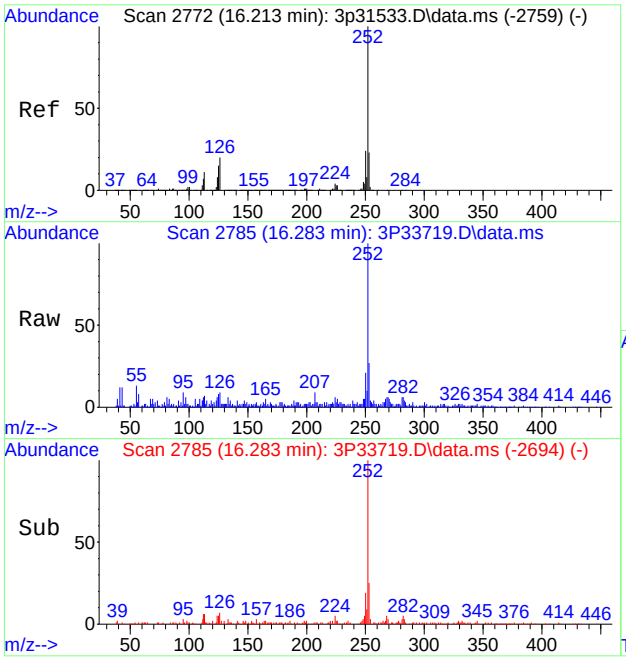


#93
Benzo[b]fluoranthene
Concen: 1.09 ppb
RT: 15.652 min Scan# 2667
Delta R.T. -0.016 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:252 Resp: 44357

Ion	Ratio	Lower	Upper
252	100		
253	18.5	0.0	53.7
125	7.7	0.0	39.6

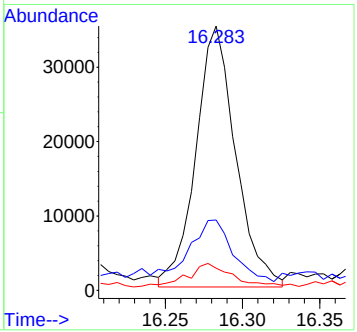


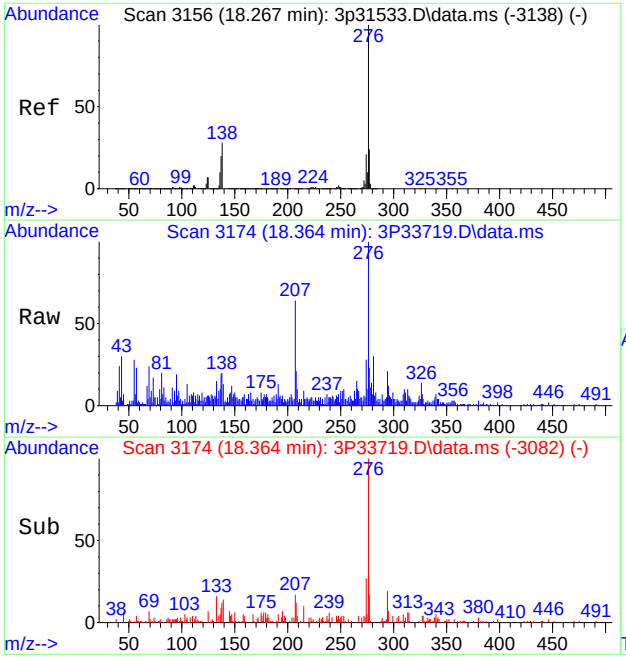


#95
Benzo[a]pyrene
Concen: 1.75 ppb m
RT: 16.283 min Scan# 2785
Delta R.T. -0.016 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:252 Resp: 62888

Ion	Ratio	Lower	Upper
252	100		
253	26.6	0.0	52.2
125	8.3	0.0	40.0

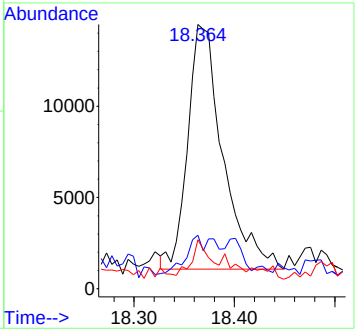


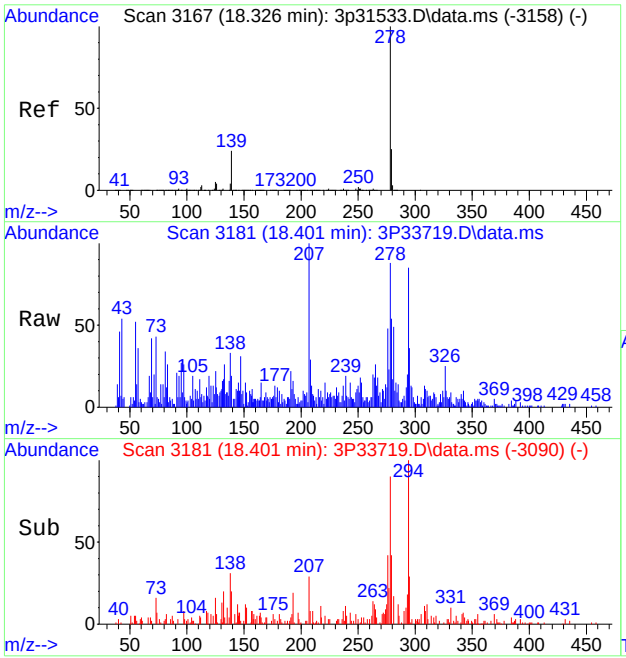


#96
Indeno[1,2,3-cd]pyrene
Concen: 0.89 ppb
RT: 18.364 min Scan# 3174
Delta R.T. -0.010 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:276 Resp: 32651

Ion	Ratio	Lower	Upper
276	100		
138	14.8	0.0	45.3
137	14.2	0.0	40.8

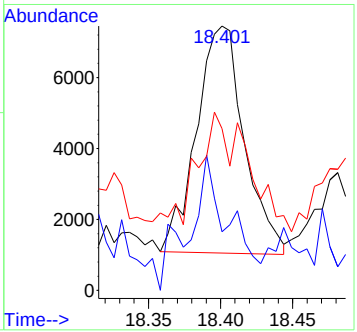


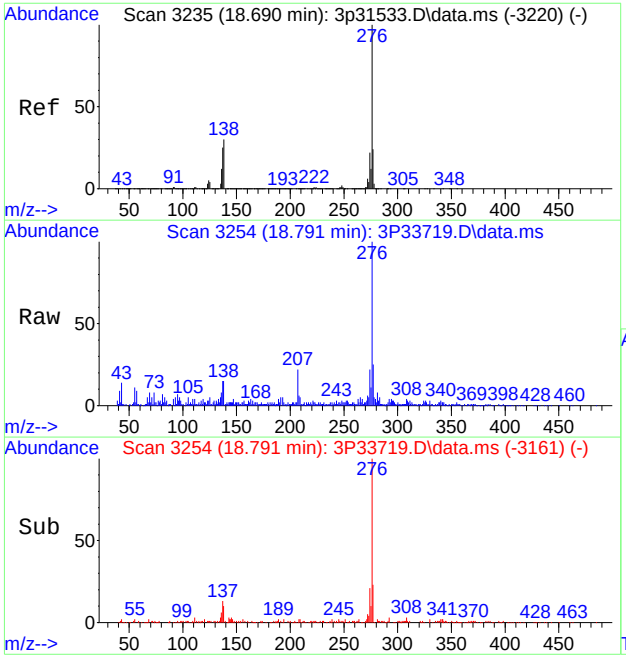


#98
Dibenz[a,h]anthracene
Concen: 0.43 ppb
RT: 18.401 min Scan# 3181
Delta R.T. -0.016 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:278 Resp: 14766

Ion	Ratio	Lower	Upper
278	100		
139	12.3	0.0	43.7
279	38.6	0.0	53.6

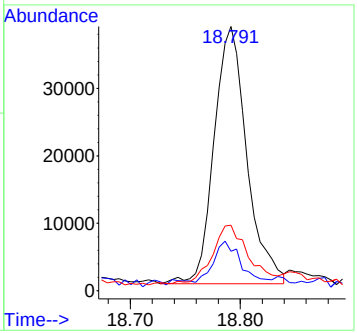




#100
Benzo[g,h,i]perylene
Concen: 2.39 ppb
RT: 18.791 min Scan# 3254
Delta R.T. -0.005 min
Lab File: 3P33719.D
Acq: 11 Jul 2014 11:18 pm

Tgt Ion:276 Resp: 79530

Ion	Ratio	Lower	Upper
276	100		
138	11.3	0.0	49.4
277	21.0	0.0	53.3



Manual Integration Approval Summary

Sample Number:	JB69926-9	**Method:**	SW846 8270D
Lab FileID:	3P33719.D	**Analyst approved:**	07/12/14 11:20 Andrew Lee Smith
Injection Time:	07/11/14 23:18	**Supervisor approved:**	07/13/14 14:46 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(a)pyrene	50-32-8		16.28	Poor instrument integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86851.D Vial: 25
Acq On : 29 Jun 2014 10:54 pm Operator: ashleyd
Sample : jb69926-10 Inst : MSP
Misc : op75898,ep3698,32.2,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:45:03 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

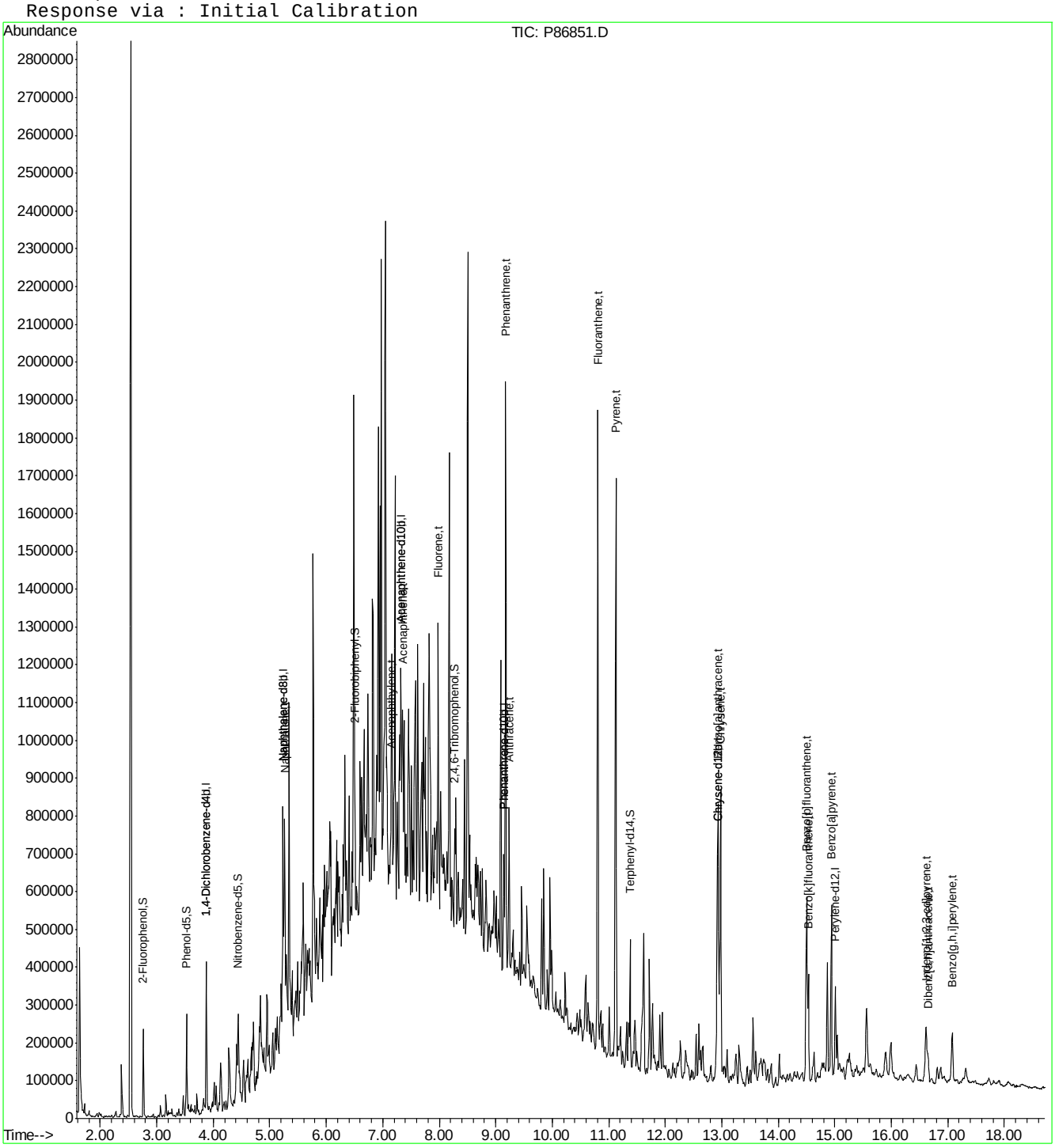
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.88	152	40752	40.00	ppb	0.00
24) Naphthalene-d8	5.23	136	137653	40.00	ppb	0.00
47) Acenaphthene-d10	7.32	164	78476	40.00	ppb	0.00
69) Phenanthrene-d10	9.14	188	116133	40.00	ppb	0.01
83) Chrysene-d12	12.94	240	112821	40.00	ppb	0.02
92) Perylene-d12	15.01	264	98634	40.00	ppb	0.02
102) 1,4-Dichlorobenzene-d4b	3.88	152	40752	40.00	ppb	0.00
104) Phenanthrene-d10b	9.14	188	116133	40.00	ppb	0.01
106) Chrysene-d12b	12.94	240	112821	40.00	ppb	0.02
108) Naphthalene-d8b	5.23	136	137653	40.00	ppb	0.00
110) Acenaphthene-d10b	7.32	164	78476	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.76	112	47405	30.50	ppb	0.00
Spiked Amount 50.000			Recovery = 61.00%			
8) Phenol-d5	3.52	99	70756	37.40	ppb	0.00
Spiked Amount 50.000			Recovery = 74.80%			
25) Nitrobenzene-d5	4.44	82	69118	52.75	ppb	0.00
Spiked Amount 50.000			Recovery = 105.50%			
51) 2-Fluorobiphenyl	6.51	172	102401	41.60	ppb	0.00
Spiked Amount 50.000			Recovery = 83.20%			
73) 2,4,6-Tribromophenol	8.28	330	10872	41.24	ppb	0.01
Spiked Amount 50.000			Recovery = 82.48%			
85) Terphenyl-d14	11.38	244	109693	45.75	ppb	0.01
Spiked Amount 50.000			Recovery = 91.50%			
Target Compounds						Qvalue
38) Naphthalene	5.26	128	242348	65.69	ppb	99
56) Acenaphthylene	7.14	152	30593	8.77	ppb	76
59) Acenaphthene	7.35	153	52457	24.00	ppb	95
66) Fluorene	7.98	166	82942	34.44	ppb	93
77) Phenanthrene	9.18	178	619432	189.14	ppb	99
78) Anthracene	9.24	178	132413	40.00	ppb	99
81) Fluoranthene	10.81	202	831941	226.95	ppb	99
84) Pyrene	11.13	202	779981	202.28	ppb	97
88) Benzo[a]anthracene	12.93	228	350572	107.76	ppb	99
90) Chrysene	12.99	228	370032	120.88	ppb	98
94) Benzo[b]fluoranthene	14.50	252	307455	104.82	ppb	93
95) Benzo[k]fluoranthene	14.53	252	99324	33.95	ppb	99
96) Benzo[a]pyrene	14.94	252	216910	80.15	ppb	98
97) Indeno[1,2,3-cd]pyrene	16.62	276	104646	33.96	ppb	86
99) Dibenz[a,h]anthracene	16.64	278	35464	14.09	ppb	95
101) Benzo[g,h,i]perylene	17.08	276	98804	38.14	ppb	91

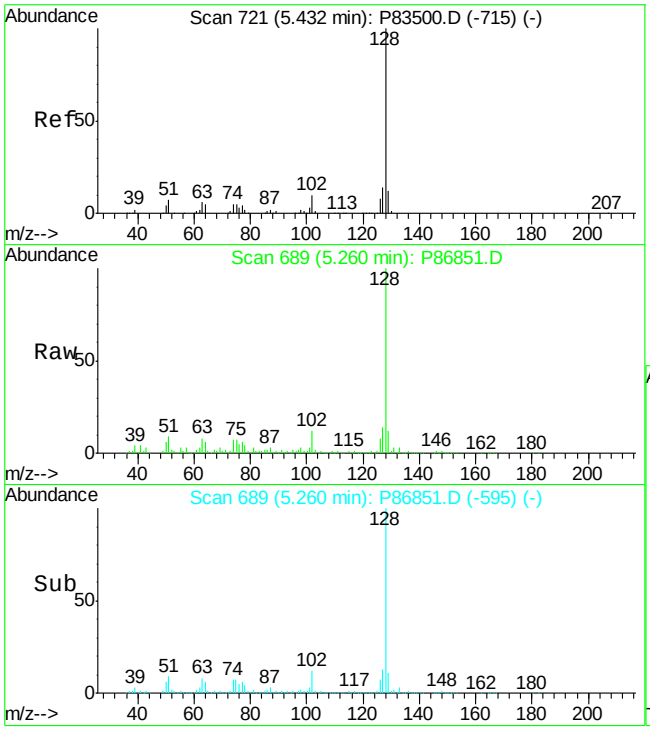
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86851.D Vial: 25
Acq On : 29 Jun 2014 10:54 pm Operator: ashleyd
Sample : jb69926-10 Inst : MSP
Misc : op75898,ep3698,32.2,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:46 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration

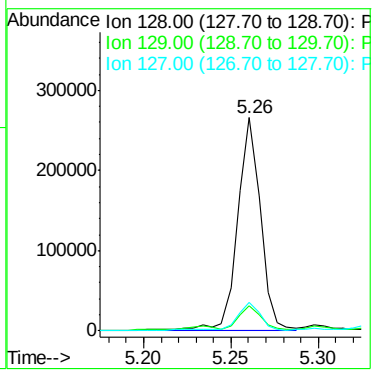


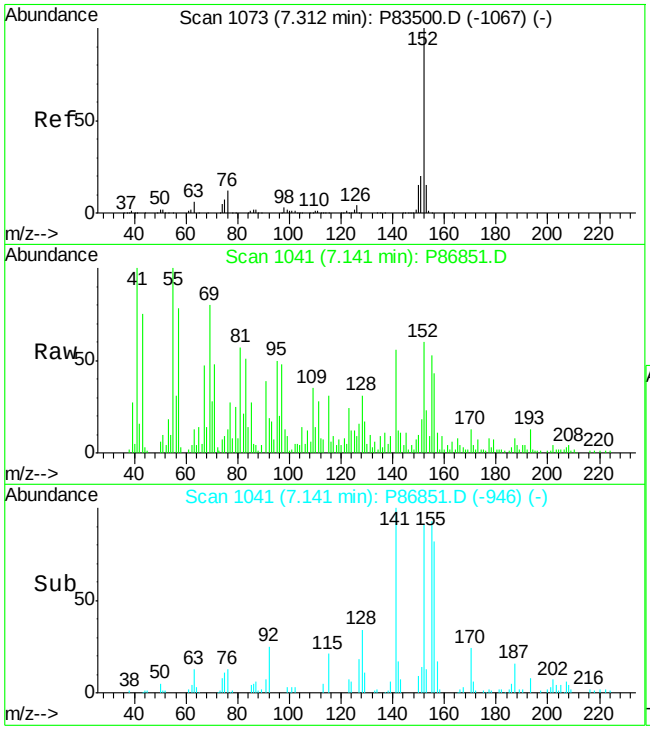


#38
Naphthalene
Concen: 65.69 ppb
RT: 5.26 min Scan# 689
Delta R.T. -0.00 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:128 Resp: 242348

Ion	Ratio	Lower	Upper
128	100		
129	11.1	0.0	41.5
127	13.3	0.0	42.8

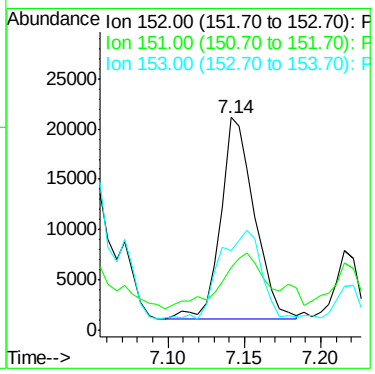


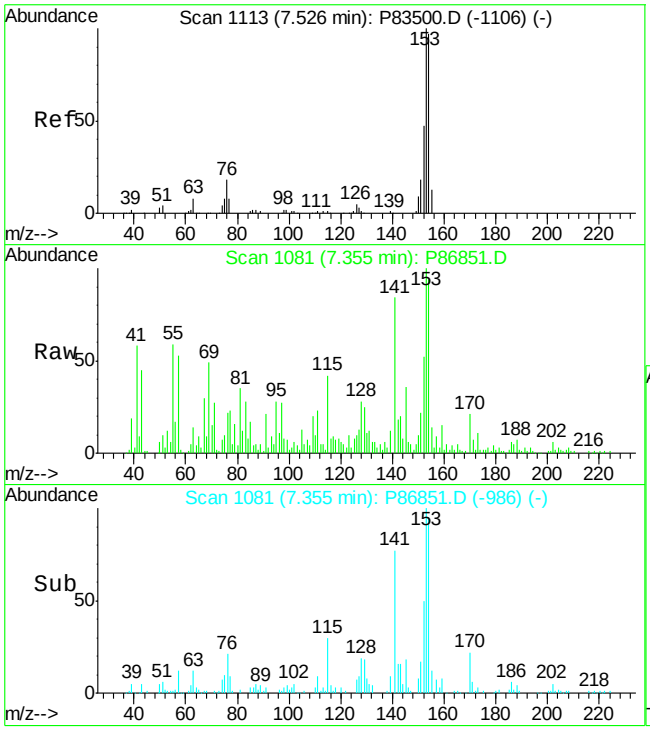


#56
Acenaphthylene
Concen: 8.77 ppb
RT: 7.14 min Scan# 1041
Delta R.T. 0.01 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:152 Resp: 30593

Ion	Ratio	Lower	Upper
152	100		
151	15.8	0.0	50.0
153	33.3	0.0	44.9

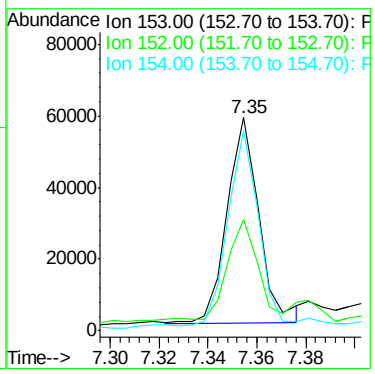


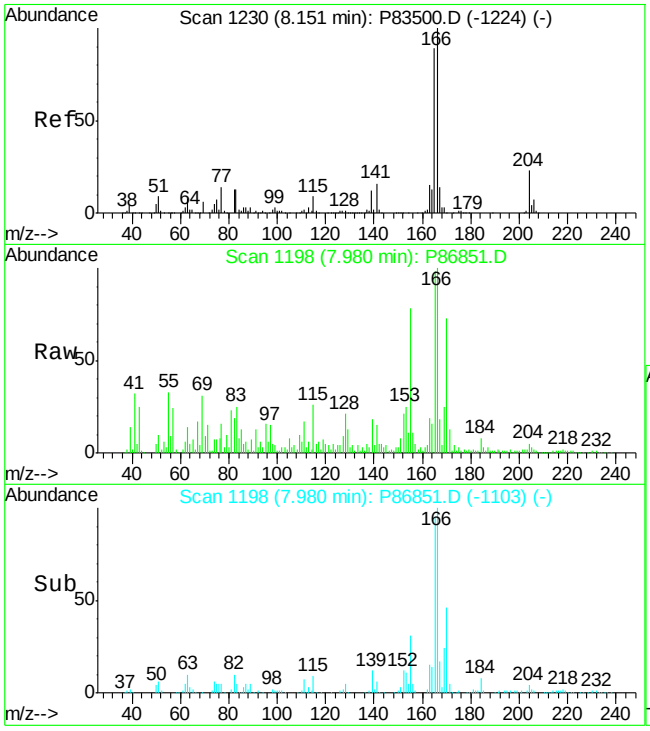


#59
Acenaphthene
Concen: 24.00 ppb
RT: 7.35 min Scan# 1081
Delta R.T. 0.01 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:153 Resp: 52457

Ion	Ratio	Lower	Upper
153	100		
152	46.8	15.8	75.8
154	97.9	61.3	121.3

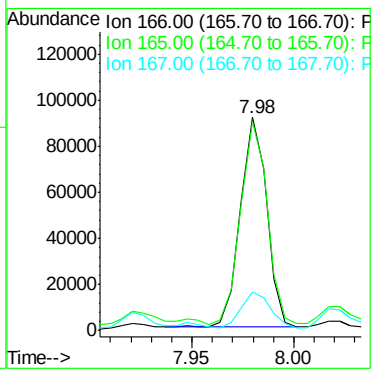


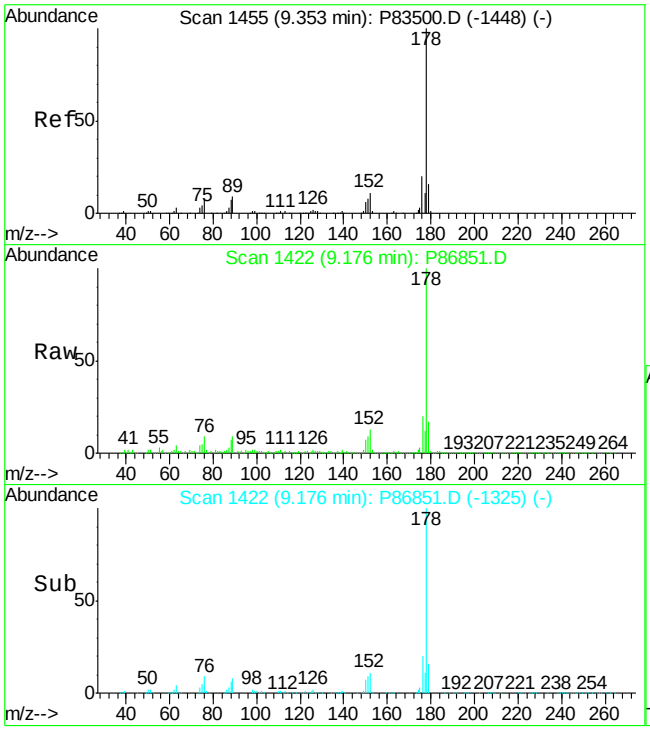


#66
Fluorene
Concen: 34.44 ppb
RT: 7.98 min Scan# 1198
Delta R.T. 0.01 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:166 Resp: 82942

Ion	Ratio	Lower	Upper
166	100		
165	95.4	59.3	119.3
167	16.6	0.0	44.0

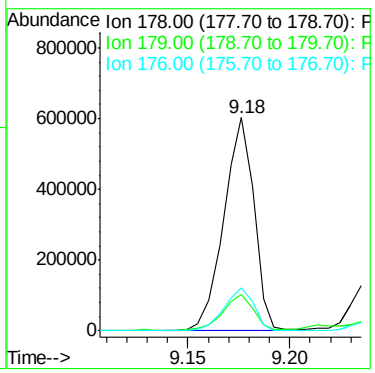


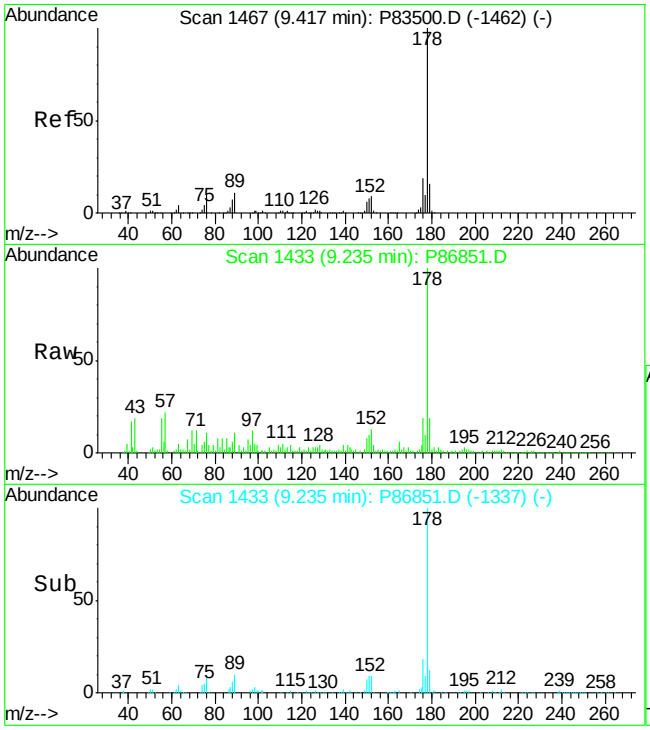


#77
Phenanthrene
Concen: 189.14 ppb
RT: 9.18 min Scan# 1422
Delta R.T. 0.02 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:178 Resp: 619432

Ion	Ratio	Lower	Upper
178	100		
179	16.5	0.0	46.5
176	19.9	0.0	49.1

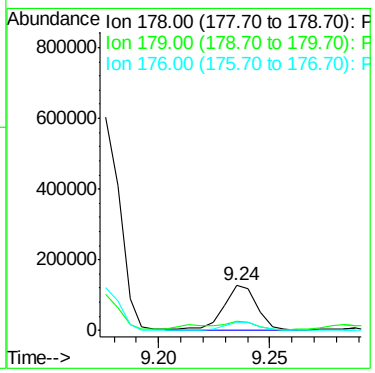


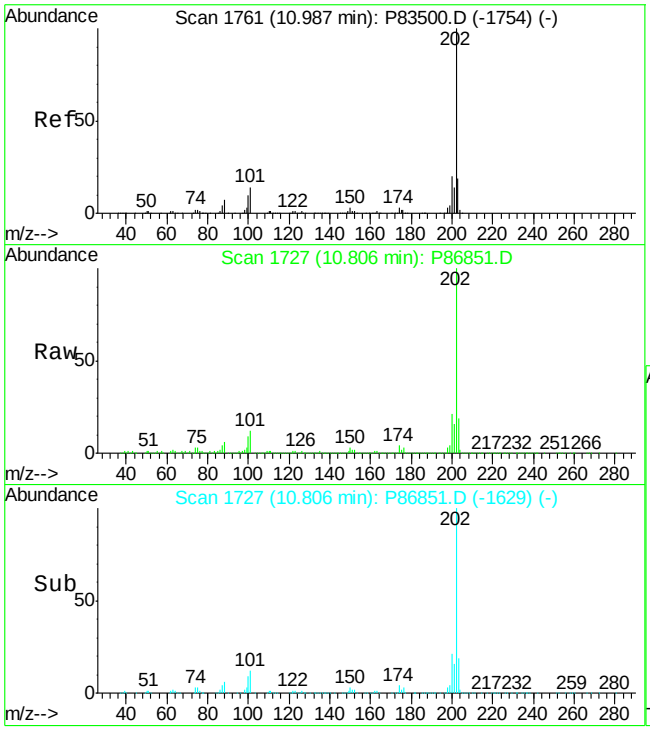


#78
Anthracene
Concen: 40.00 ppb
RT: 9.24 min Scan# 1433
Delta R.T. 0.01 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:178 Resp: 132413

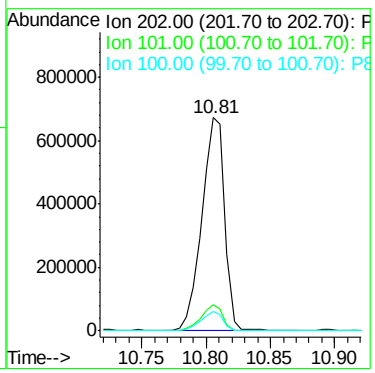
Ion	Ratio	Lower	Upper
178	100		
179	16.7	0.0	46.0
176	18.5	0.0	48.6

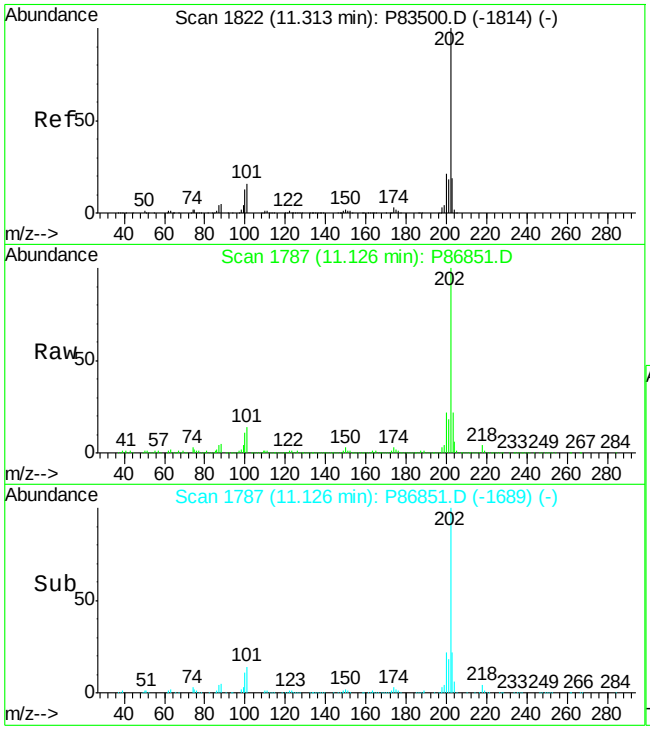




#81
Fluoranthene
Concen: 226.95 ppb
RT: 10.81 min Scan# 1727
Delta R.T. 0.02 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

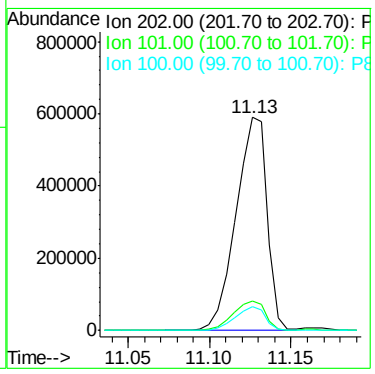
Tgt Ion:202	Resp:	831941	
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	43.2
100	9.3	0.0	39.1

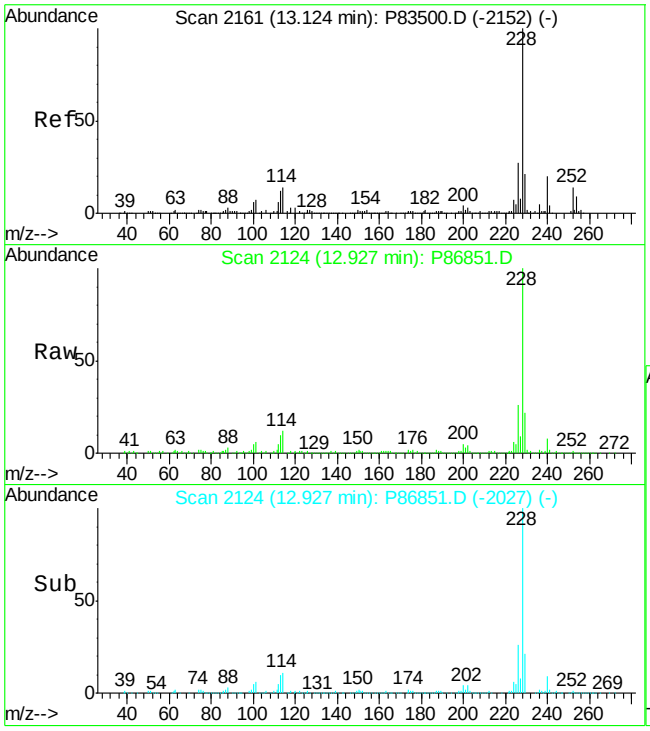




#84
Pyrene
Concen: 202.28 ppb
RT: 11.13 min Scan# 1787
Delta R.T. 0.02 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:202	Resp:	779981	
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	45.3
100	11.2	0.0	42.2

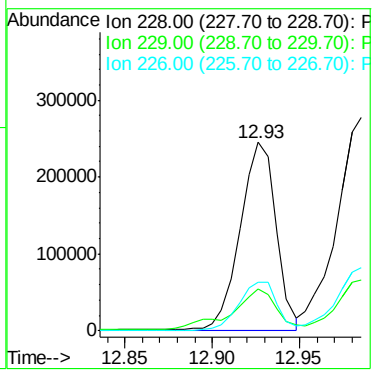


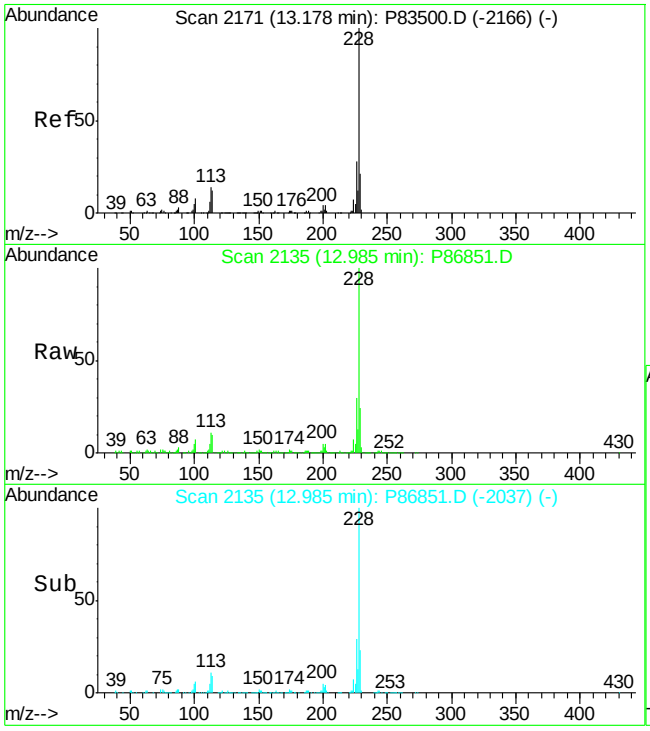


#88
Benzo[a]anthracene
Concen: 107.76 ppb
RT: 12.93 min Scan# 2124
Delta R.T. 0.02 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:228 Resp: 350572

Ion	Ratio	Lower	Upper
228	100		
229	20.7	0.0	50.3
226	25.7	0.0	56.2

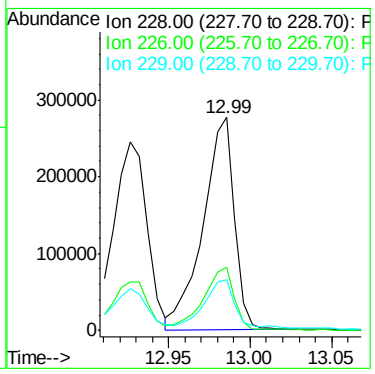


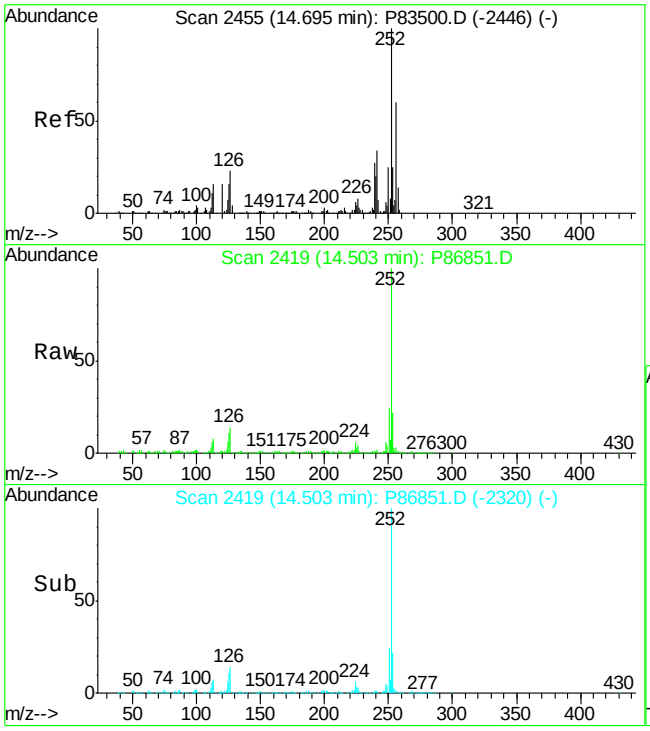


#90
Chrysene
Concen: 120.88 ppb
RT: 12.99 min Scan# 2135
Delta R.T. 0.02 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:228 Resp: 370032

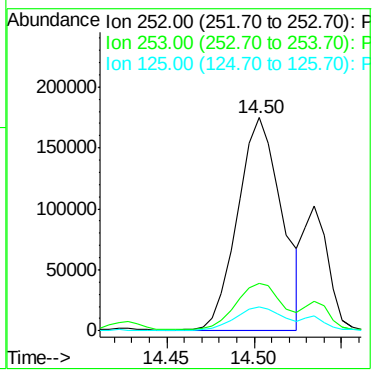
Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	59.2
229	22.5	0.0	50.7

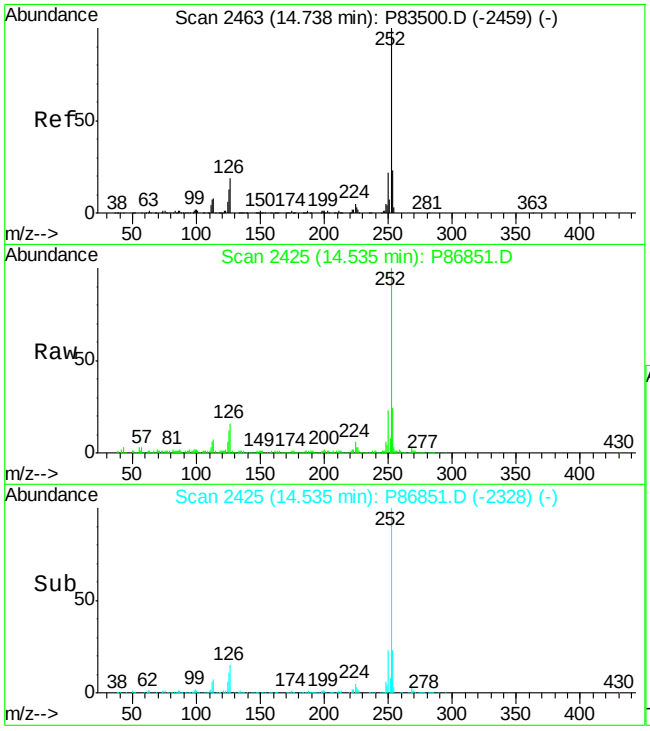




#94
Benzo[b]fluoranthene
Concen: 104.82 ppb
RT: 14.50 min Scan# 2419
Delta R.T. 0.03 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

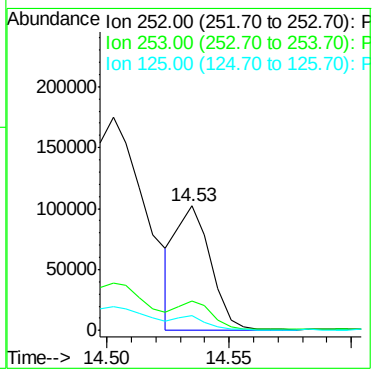
Tgt Ion:252	Resp:	307455	
Ion	Ratio	Lower	Upper
252	100		
253	21.5	0.0	55.0
125	10.8	0.0	43.5

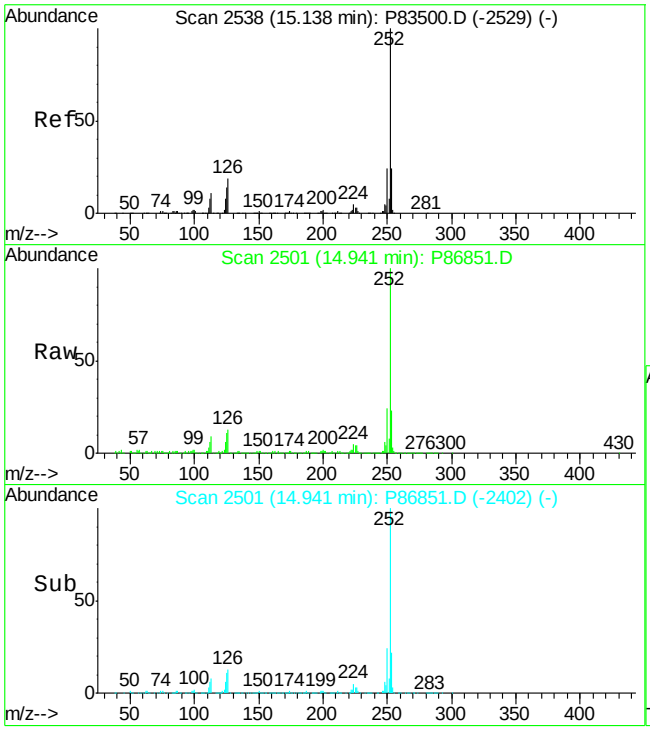




#95
Benzo[k]fluoranthene
Concen: 33.95 ppb
RT: 14.53 min Scan# 2425
Delta R.T. 0.02 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:252	Resp:	99324	
Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	52.3
125	11.3	0.0	41.4

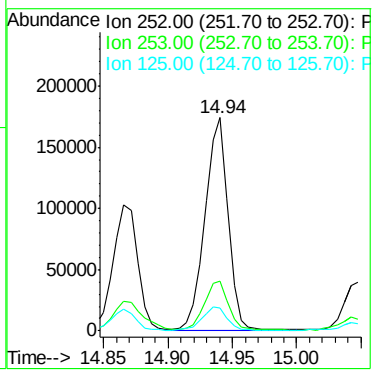


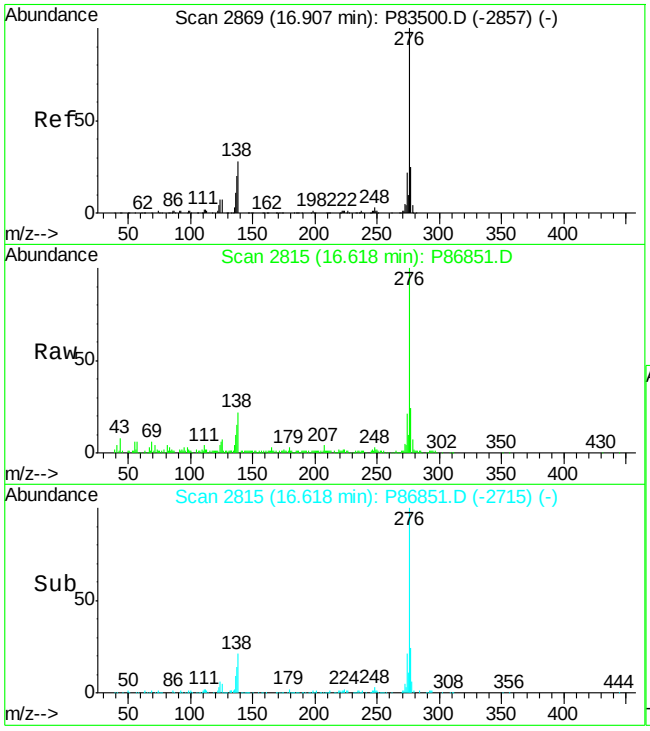


#96
Benzo[a]pyrene
Concen: 80.15 ppb
RT: 14.94 min Scan# 2501
Delta R.T. 0.03 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:252 Resp: 216910

Ion	Ratio	Lower	Upper
252	100		
253	22.5	0.0	52.7
125	10.5	0.0	42.7

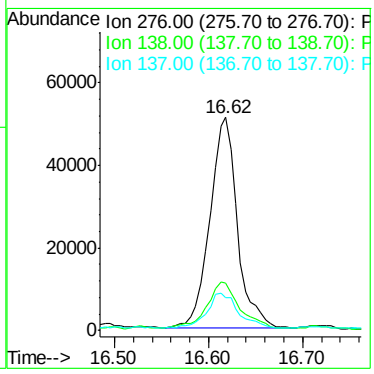


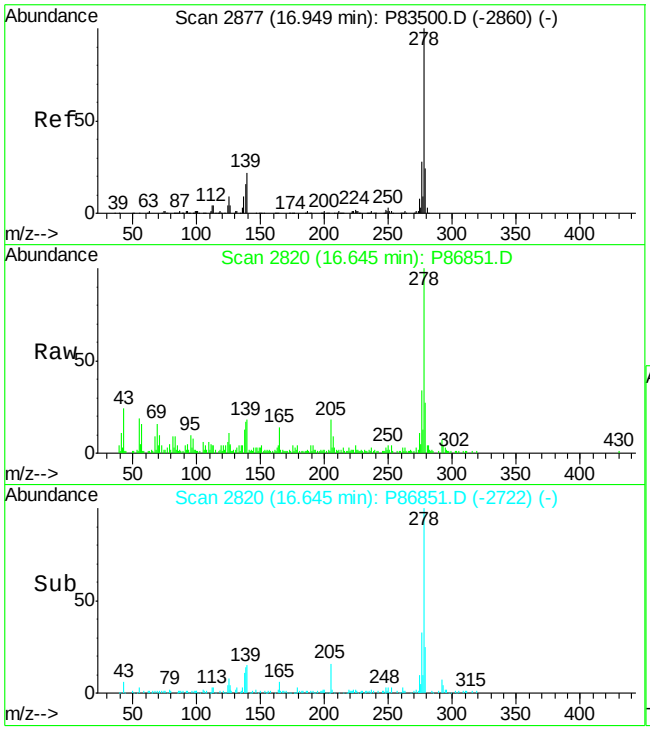


#97
Indeno[1,2,3-cd]pyrene
Concen: 33.96 ppb
RT: 16.62 min Scan# 2815
Delta R.T. 0.03 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:276 Resp: 104646

Ion	Ratio	Lower	Upper
276	100		
138	21.5	0.0	58.8
137	14.0	0.0	50.6

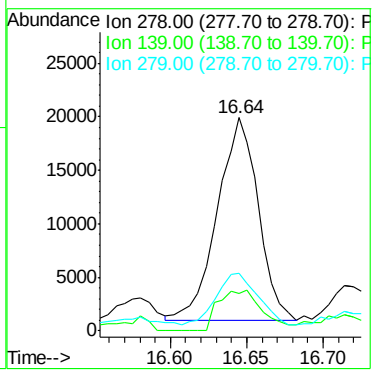


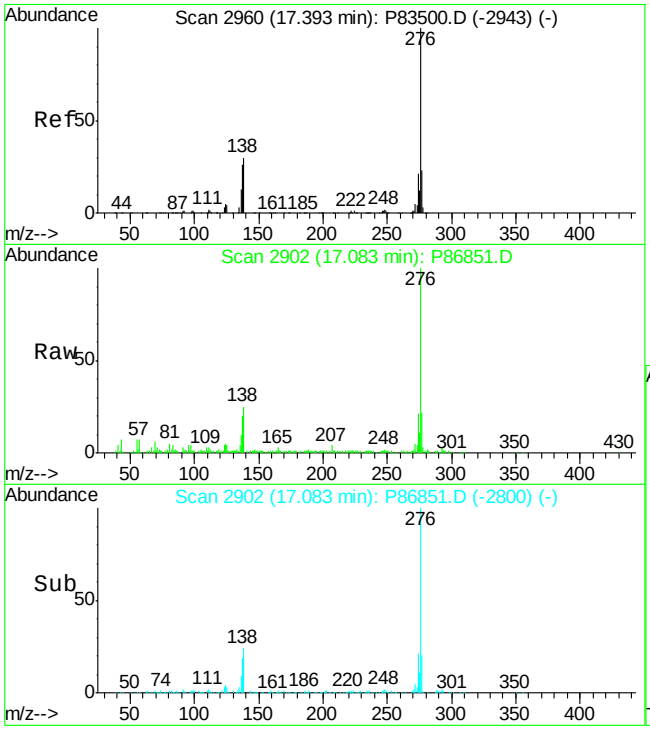


#99
Dibenz[a,h]anthracene
Concen: 14.09 ppb
RT: 16.64 min Scan# 2820
Delta R.T. 0.02 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:278 Resp: 35464

Ion	Ratio	Lower	Upper
278	100		
139	17.4	0.0	51.4
279	25.2	0.0	54.2

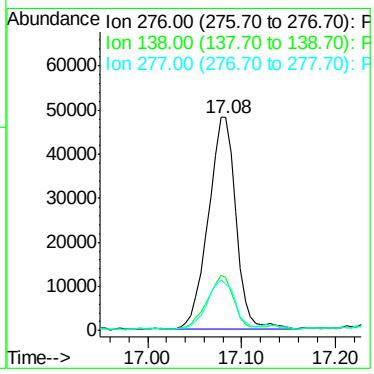




#101
Benzo[g,h,i]perylene
Concen: 38.14 ppb
RT: 17.08 min Scan# 2902
Delta R.T. 0.04 min
Lab File: P86851.D
Acq: 29 Jun 2014 10:54 pm

Tgt Ion:276 Resp: 98804

Ion	Ratio	Lower	Upper
276	100		
138	24.4	0.7	60.7
277	21.0	0.0	53.7



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86873.D Vial: 5
Acq On : 30 Jun 2014 5:27 pm Operator: harpreek
Sample : jb69926-10 Inst : MSP
Misc : op75898,ep3699,32.2,,,1,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 17:45:54 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

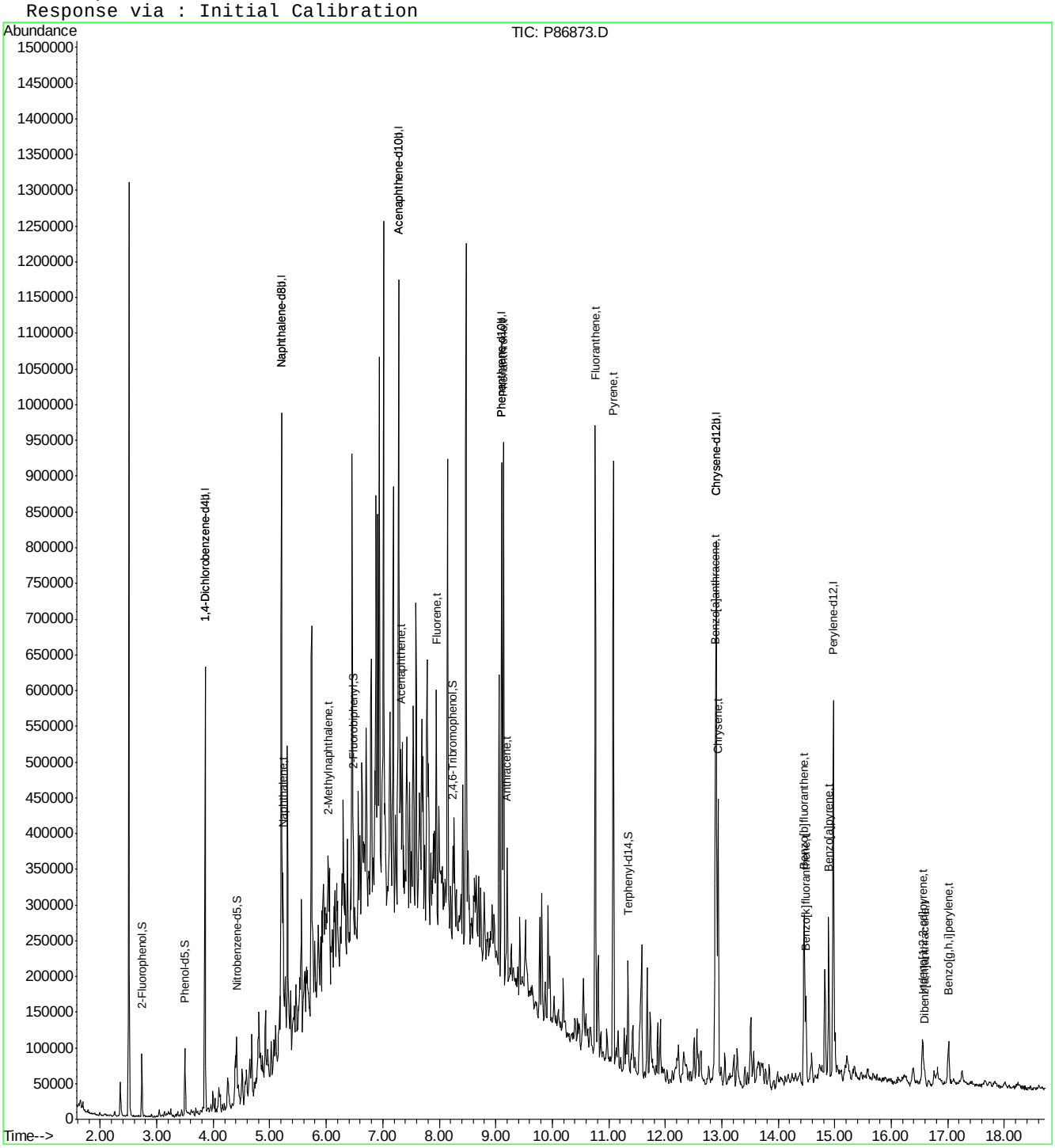
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.86	152	81220	40.00	ppb	-0.03
24) Naphthalene-d8	5.21	136	300204	40.00	ppb	-0.03
47) Acenaphthene-d10	7.29	164	170045	40.00	ppb	-0.03
69) Phenanthrene-d10	9.11	188	260125	40.00	ppb	-0.02
83) Chrysene-d12	12.90	240	259299	40.00	ppb	-0.03
92) Perylene-d12	14.98	264	227765	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4b	3.86	152	81220	40.00	ppb	-0.03
104) Phenanthrene-d10b	9.11	188	260125	40.00	ppb	-0.02
106) Chrysene-d12b	12.90	240	259299	40.00	ppb	-0.03
108) Naphthalene-d8b	5.21	136	300204	40.00	ppb	-0.03
110) Acenaphthene-d10b	7.29	164	170045	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	2.73	112	19106	6.17	ppb	-0.02
Spiked Amount 50.000			Recovery = 12.34%			
8) Phenol-d5	3.50	99	28142	7.46	ppb	-0.02
Spiked Amount 50.000			Recovery = 14.92%			
25) Nitrobenzene-d5	4.42	82	27916	9.77	ppb	-0.03
Spiked Amount 50.000			Recovery = 19.54%			
51) 2-Fluorobiphenyl	6.48	172	41336	7.75	ppb	-0.03
Spiked Amount 50.000			Recovery = 15.50%			
73) 2,4,6-Tribromophenol	8.24	330	4982	8.44	ppb	-0.03
Spiked Amount 50.000			Recovery = 16.88%			
85) Terphenyl-d14	11.34	244	47152	8.56	ppb	-0.03
Spiked Amount 50.000			Recovery = 17.12%			
Target Compounds						Qvalue
38) Naphthalene	5.23	128	107378	13.35	ppb	98
44) 2-Methylnaphthalene	6.04	141	16919	3.64	ppb	84
59) Acenaphthene	7.32	153	21826	4.61	ppb	93
66) Fluorene	7.95	166	34721	6.65	ppb	93
77) Phenanthrene	9.14	178	294232	40.11	ppb	98
78) Anthracene	9.20	178	58329	7.87	ppb	99
81) Fluoranthene	10.76	202	396226	48.26	ppb	97
84) Pyrene	11.08	202	374720	42.28	ppb	96
88) Benzo[a]anthracene	12.88	228	173500	23.20	ppb	98
90) Chrysene	12.94	228	176324	25.06	ppb	99
94) Benzo[b]fluoranthene	14.46	252	146673	21.65	ppb	94
95) Benzo[k]fluoranthene	14.49	252	45237	6.70	ppb	96
96) Benzo[a]pyrene	14.89	252	103921	16.63	ppb	95
97) Indeno[1,2,3-cd]pyrene	16.55	276	45666	6.42	ppb	97
99) Dibenz[a,h]anthracene	16.59	278	13033	2.24	ppb	96
101) Benzo[g,h,i]perylene	17.01	276	44872	7.50	ppb	92

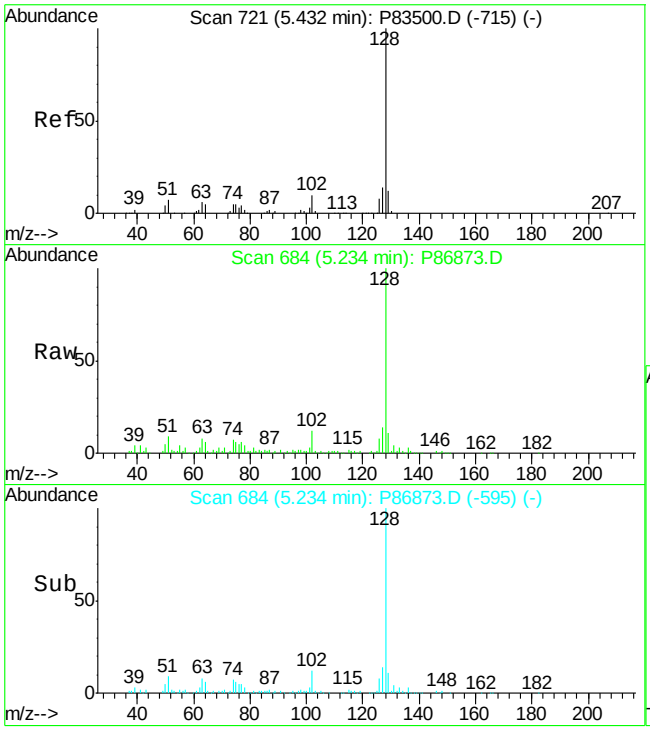
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86873.D Vial: 5
Acq On : 30 Jun 2014 5:27 pm Operator: harpreek
Sample : jb69926-10 Inst : MSP
Misc : op75898,ep3699,32.2,,,1,5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 10:27 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration

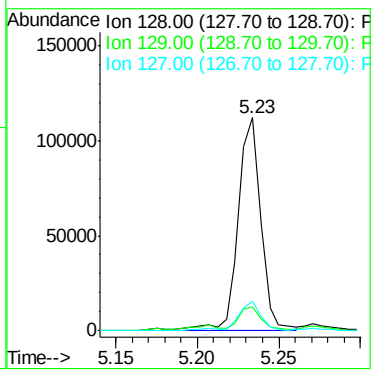


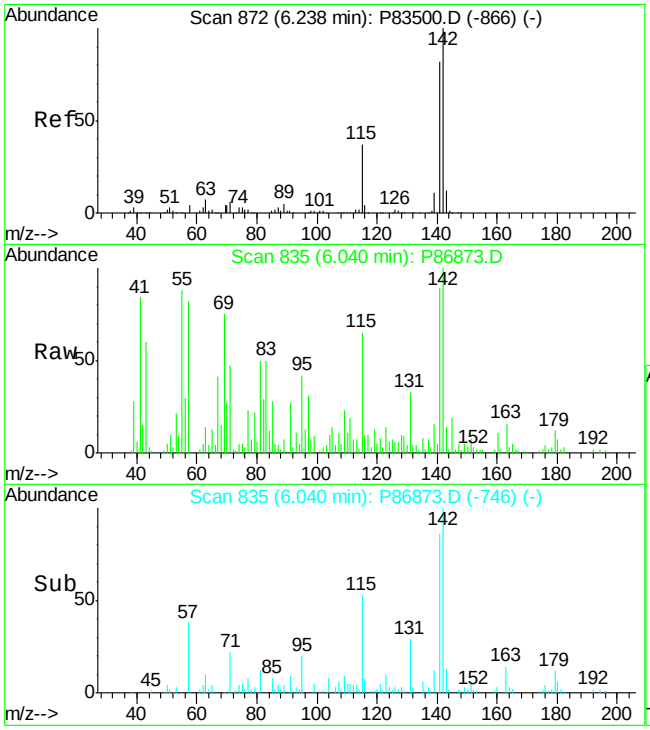


#38
Naphthalene
Concen: 13.35 ppb
RT: 5.23 min Scan# 684
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:128 Resp: 107378

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	41.5
127	13.4	0.0	42.8

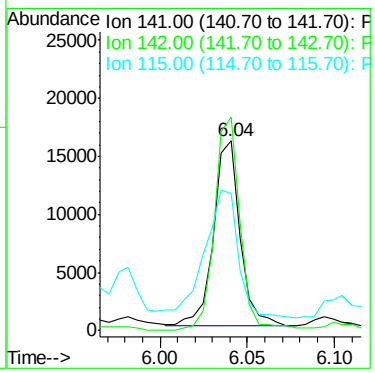


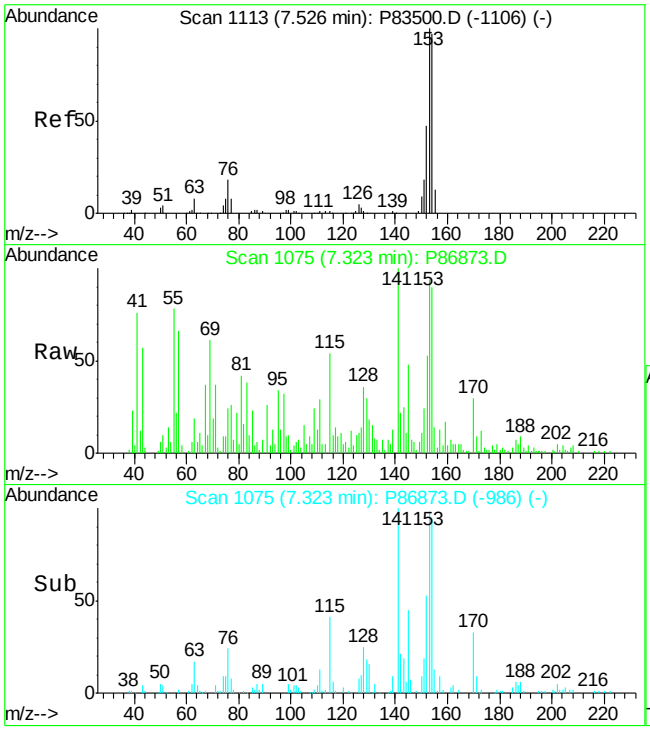


#44
2-Methylnaphthalene
Concen: 3.64 ppb
RT: 6.04 min Scan# 835
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:141 Resp: 16919

Ion	Ratio	Lower	Upper
141	100		
142	115.0	92.4	152.4
115	65.5	8.0	68.0

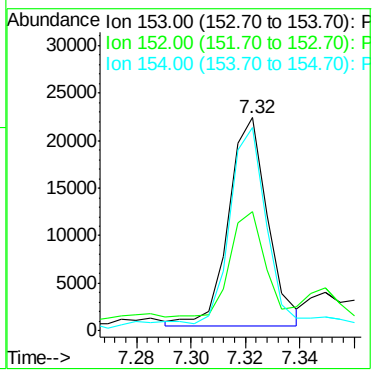


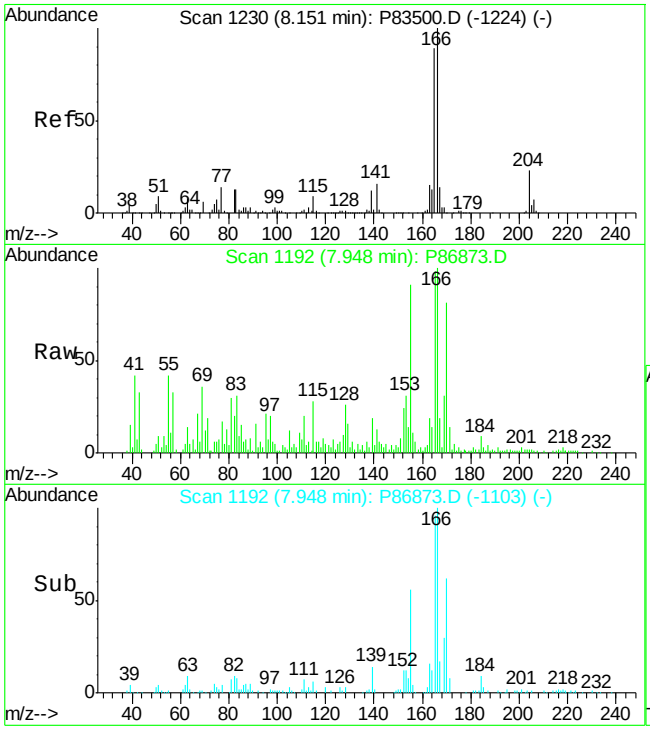


#59
Acenaphthene
Concen: 4.61 ppb
RT: 7.32 min Scan# 1075
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:153 Resp: 21826

Ion	Ratio	Lower	Upper
153	100		
152	51.2	15.8	75.8
154	97.3	61.3	121.3

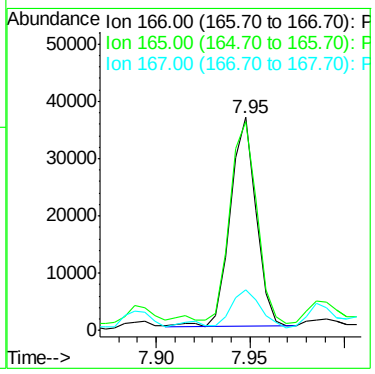


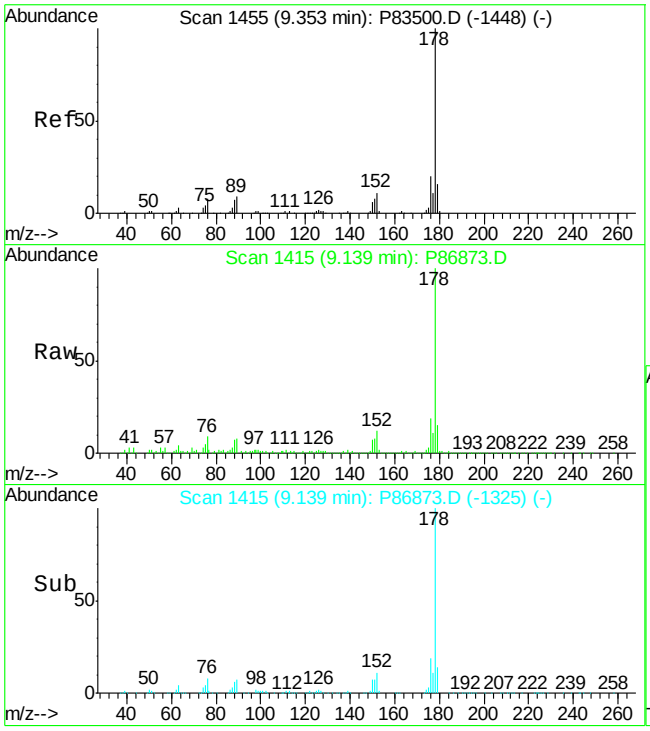


#66
Fluorene
Concen: 6.65 ppb
RT: 7.95 min Scan# 1192
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:166 Resp: 34721

Ion	Ratio	Lower	Upper
166	100		
165	95.9	59.3	119.3
167	17.1	0.0	44.0

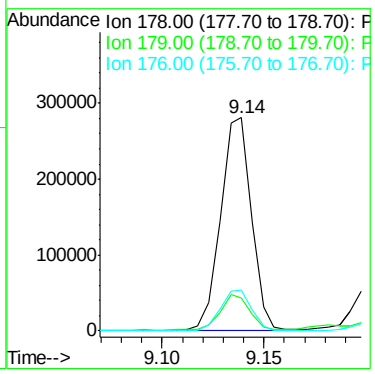


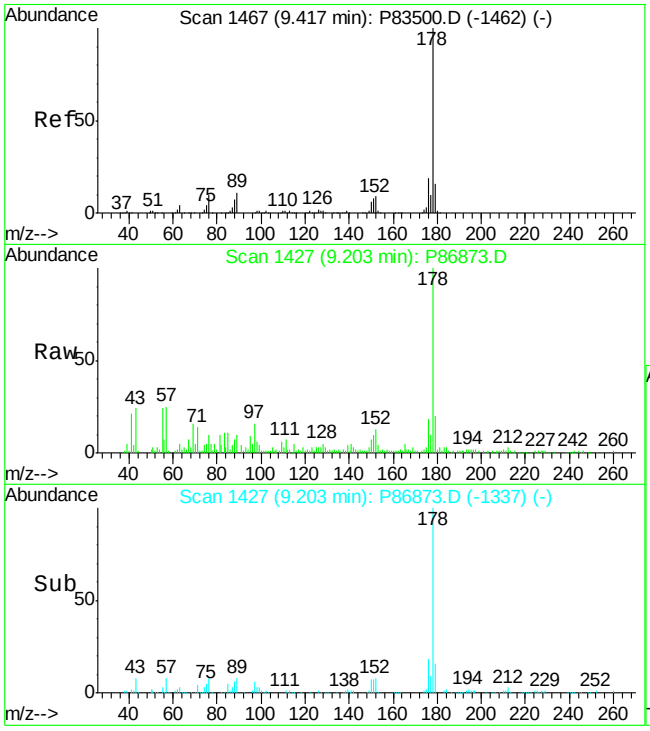


#77
Phenanthrene
Concen: 40.11 ppb
RT: 9.14 min Scan# 1415
Delta R.T. -0.02 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:178 Resp: 294232

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	46.5
176	19.1	0.0	49.1

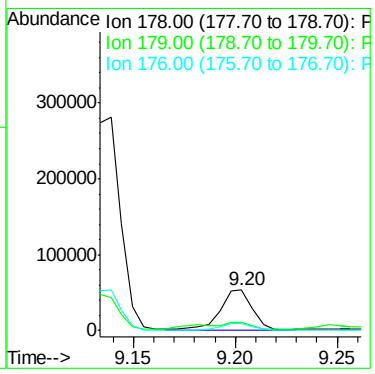


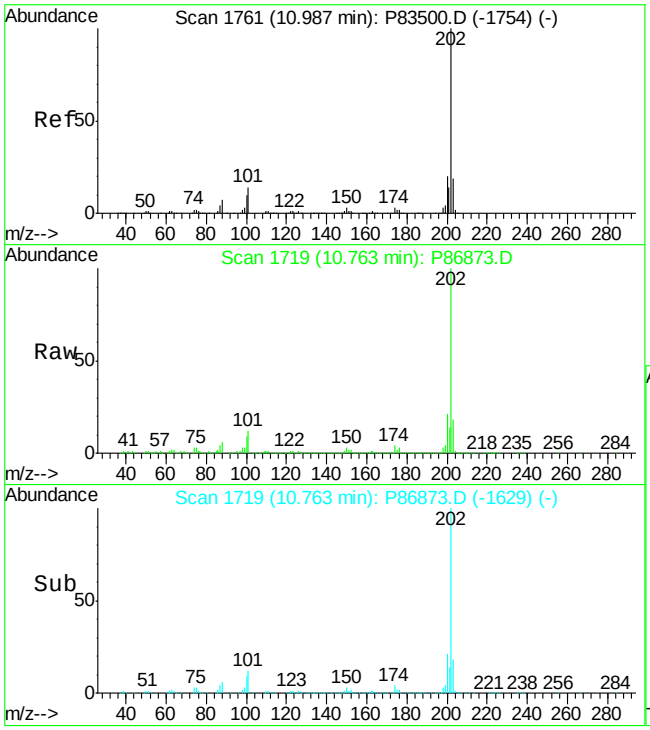


#78
Anthracene
Concen: 7.87 ppb
RT: 9.20 min Scan# 1427
Delta R.T. -0.02 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:178 Resp: 58329

Ion	Ratio	Lower	Upper
178	100		
179	16.4	0.0	46.0
176	18.3	0.0	48.6

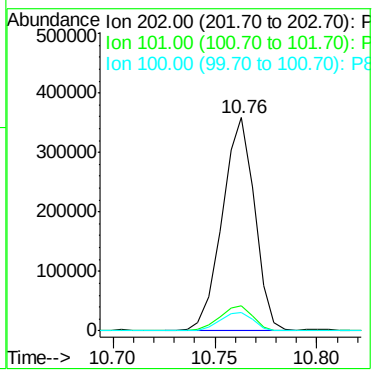


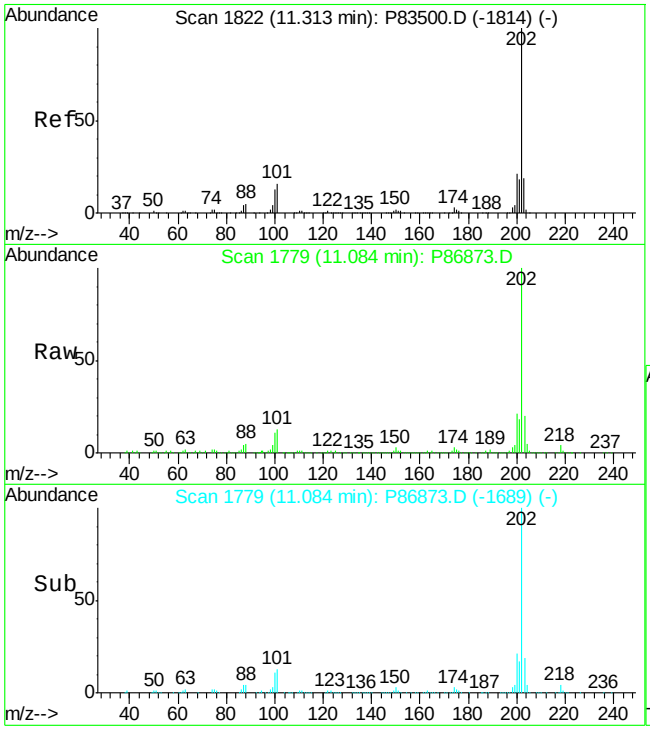


#81
Fluoranthene
Concen: 48.26 ppb
RT: 10.76 min Scan# 1719
Delta R.T. -0.02 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:202 Resp: 396226

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	43.2
100	8.6	0.0	39.1

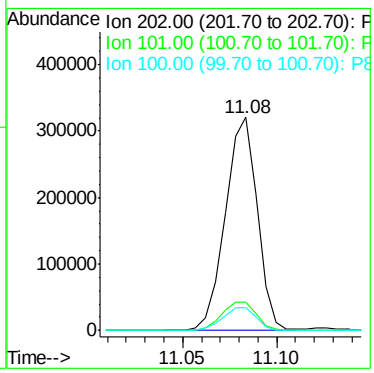


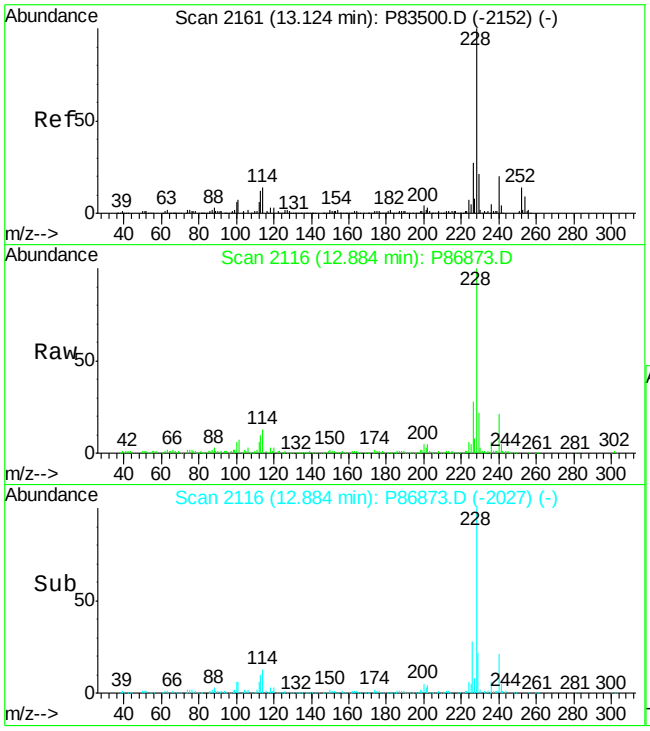


#84
Pyrene
Concen: 42.28 ppb
RT: 11.08 min Scan# 1779
Delta R.T. -0.02 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:202 Resp: 374720

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	45.3
100	10.9	0.0	42.2

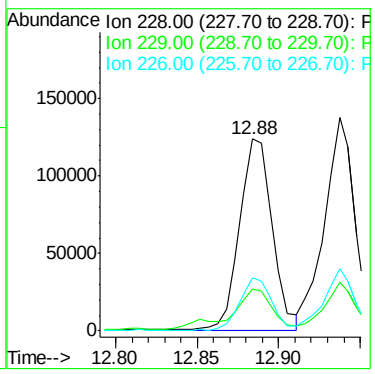


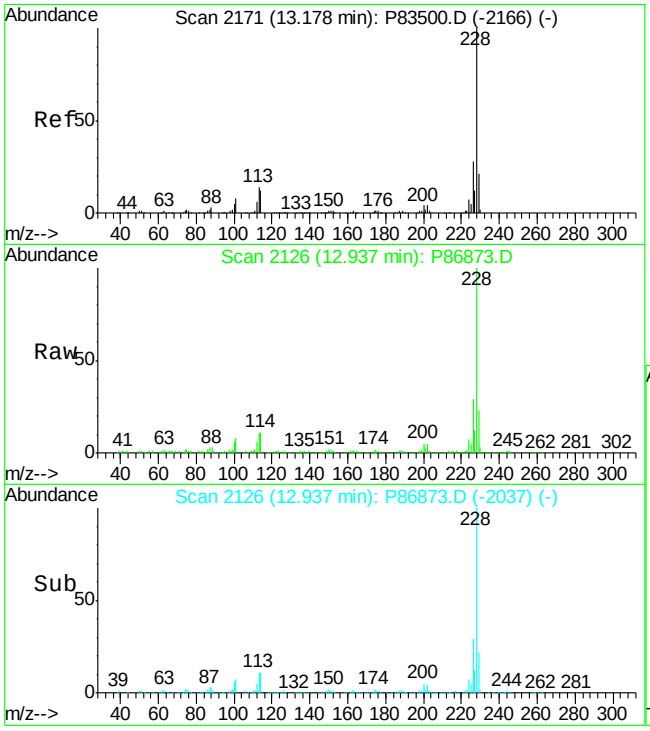


#88
Benzo[a]anthracene
Concen: 23.20 ppb
RT: 12.88 min Scan# 2116
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:228 Resp: 173500

Ion	Ratio	Lower	Upper
228	100		
229	20.7	0.0	50.3
226	27.6	0.0	56.2

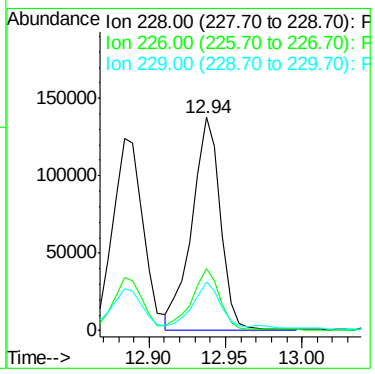


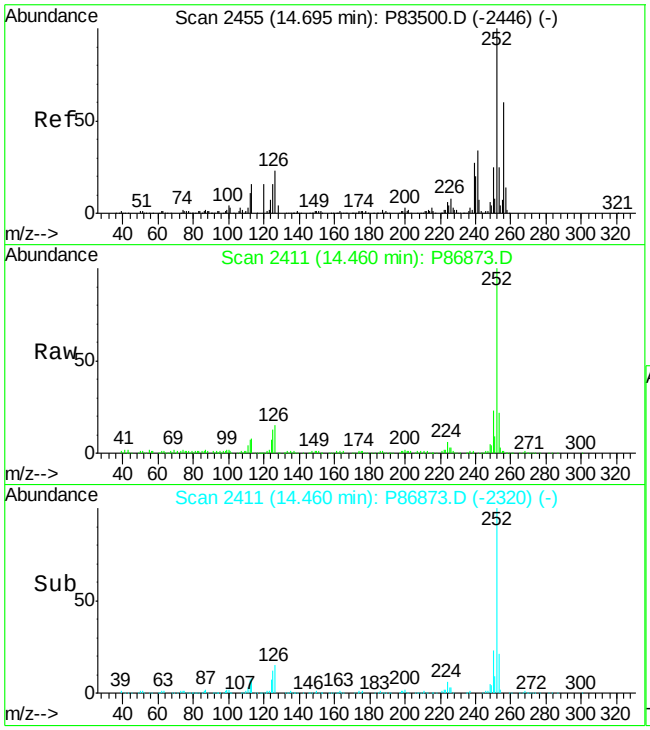


#90
Chrysene
Concen: 25.06 ppb
RT: 12.94 min Scan# 2126
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:228 Resp: 176324

Ion	Ratio	Lower	Upper
228	100		
226	28.8	0.0	59.2
229	21.6	0.0	50.7

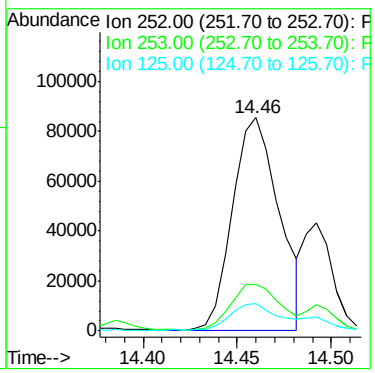


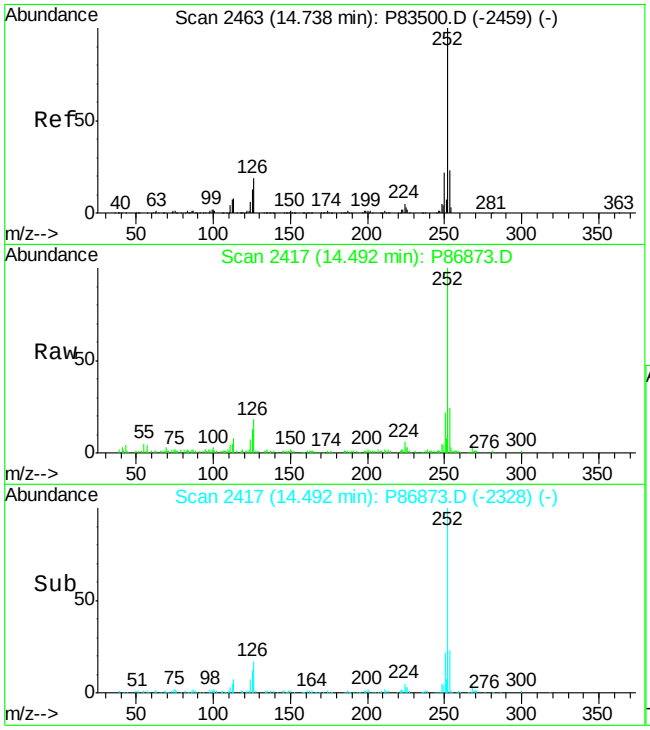


#94
Benzo[b]fluoranthene
Concen: 21.65 ppb
RT: 14.46 min Scan# 2411
Delta R.T. -0.02 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:252 Resp: 146673

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	55.0
125	11.7	0.0	43.5

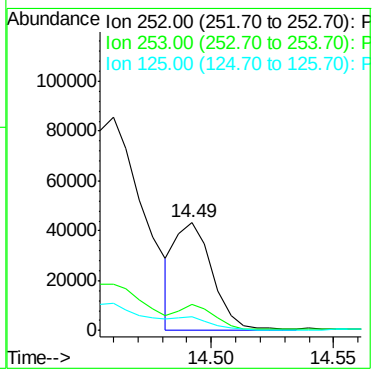


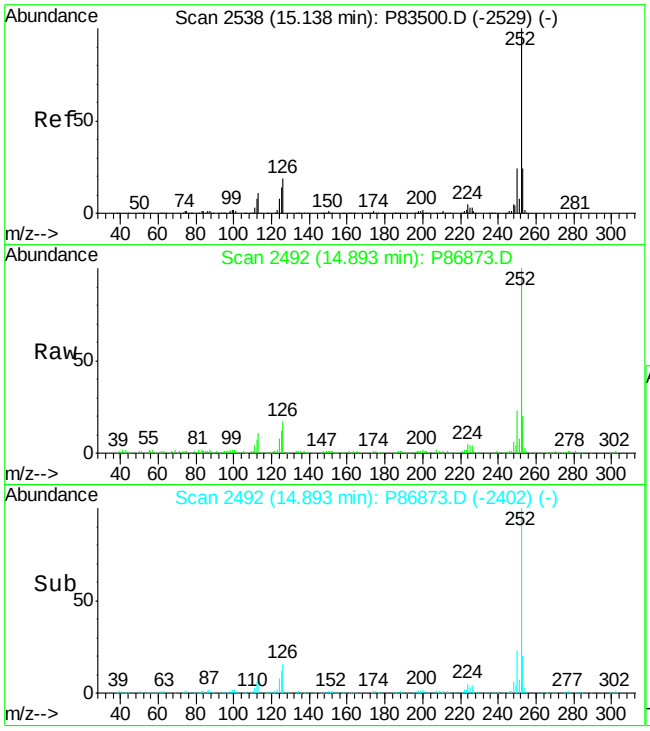


#95
Benzo[k]fluoranthene
Concen: 6.70 ppb
RT: 14.49 min Scan# 2417
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:252 Resp: 45237

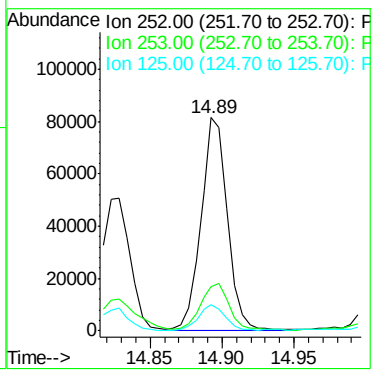
Ion	Ratio	Lower	Upper
252	100		
253	24.5	0.0	52.3
125	10.5	0.0	41.4

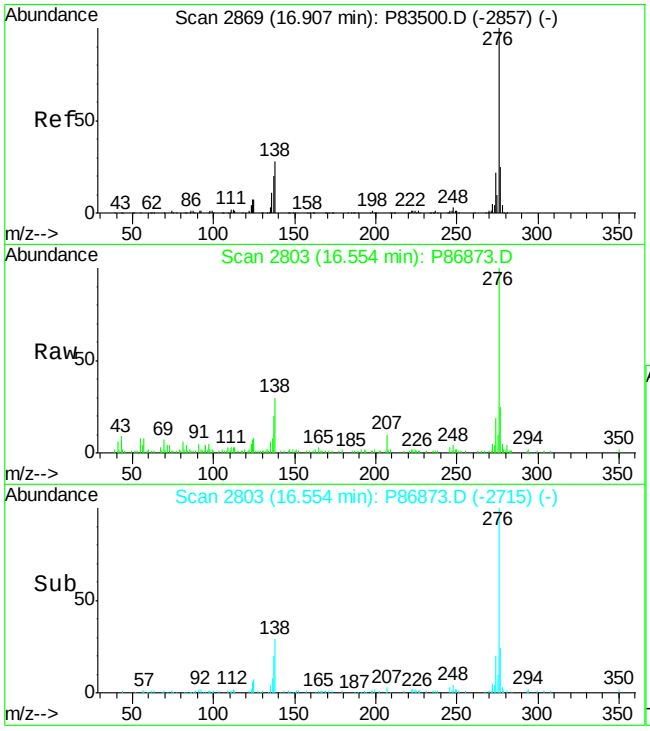




#96
Benzo[a]pyrene
Concen: 16.63 ppb
RT: 14.89 min Scan# 2492
Delta R.T. -0.02 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

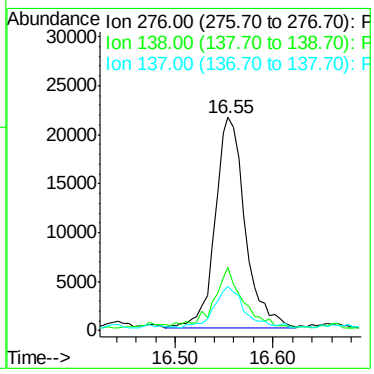
Tgt Ion:252	Resp:	103921	
Ion	Ratio	Lower	Upper
252	100		
253	19.8	0.0	52.7
125	12.0	0.0	42.7

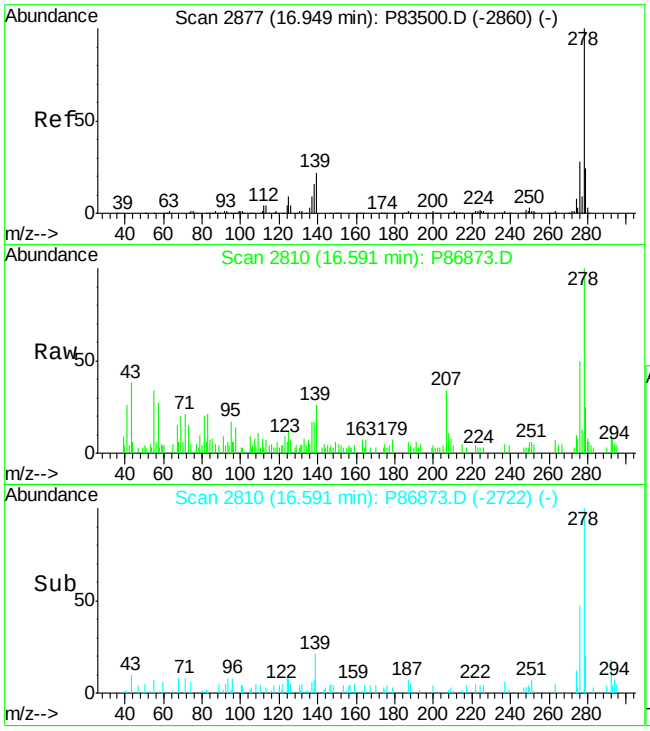




#97
Indeno[1,2,3-cd]pyrene
Concen: 6.42 ppb
RT: 16.55 min Scan# 2803
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:276	Resp:	45666	
Ion	Ratio	Lower	Upper
276	100		
138	28.0	0.0	58.8
137	18.1	0.0	50.6

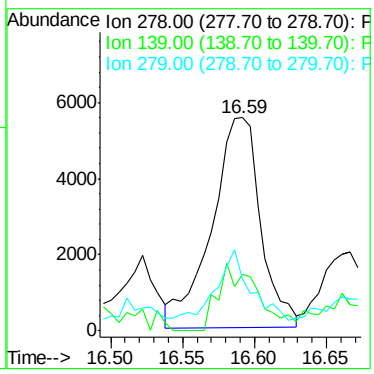


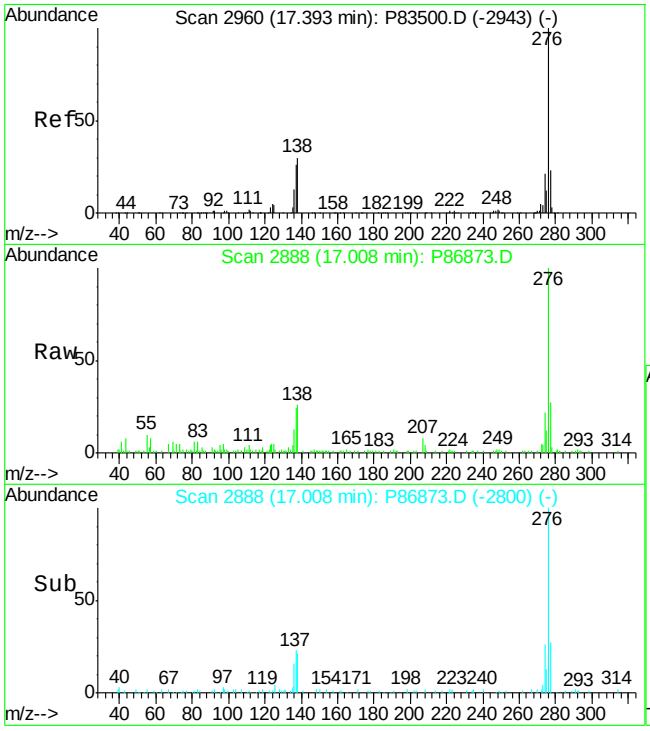


#99
Dibenz[a,h]anthracene
Concen: 2.24 ppb
RT: 16.59 min Scan# 2810
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:278 Resp: 13033

Ion	Ratio	Lower	Upper
278	100		
139	22.1	0.0	51.4
279	20.8	0.0	54.2

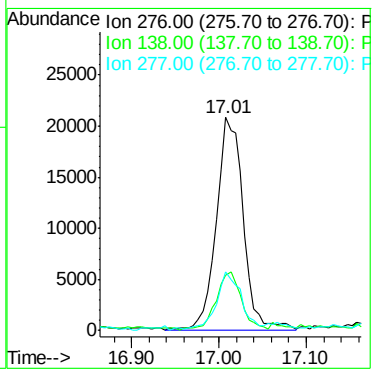




#101
Benzo[g,h,i]perylene
Concen: 7.50 ppb
RT: 17.01 min Scan# 2888
Delta R.T. -0.03 min
Lab File: P86873.D
Acq: 30 Jun 2014 5:27 pm

Tgt Ion:276 Resp: 44872

Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.7	60.7
277	25.9	0.0	53.7



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105998.D
Acq On : 3 Jul 2014 6:31 pm
Operator : saumilp
Sample : jb69926-11
Misc : op75936,em4334,930
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 05 15:07:08 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

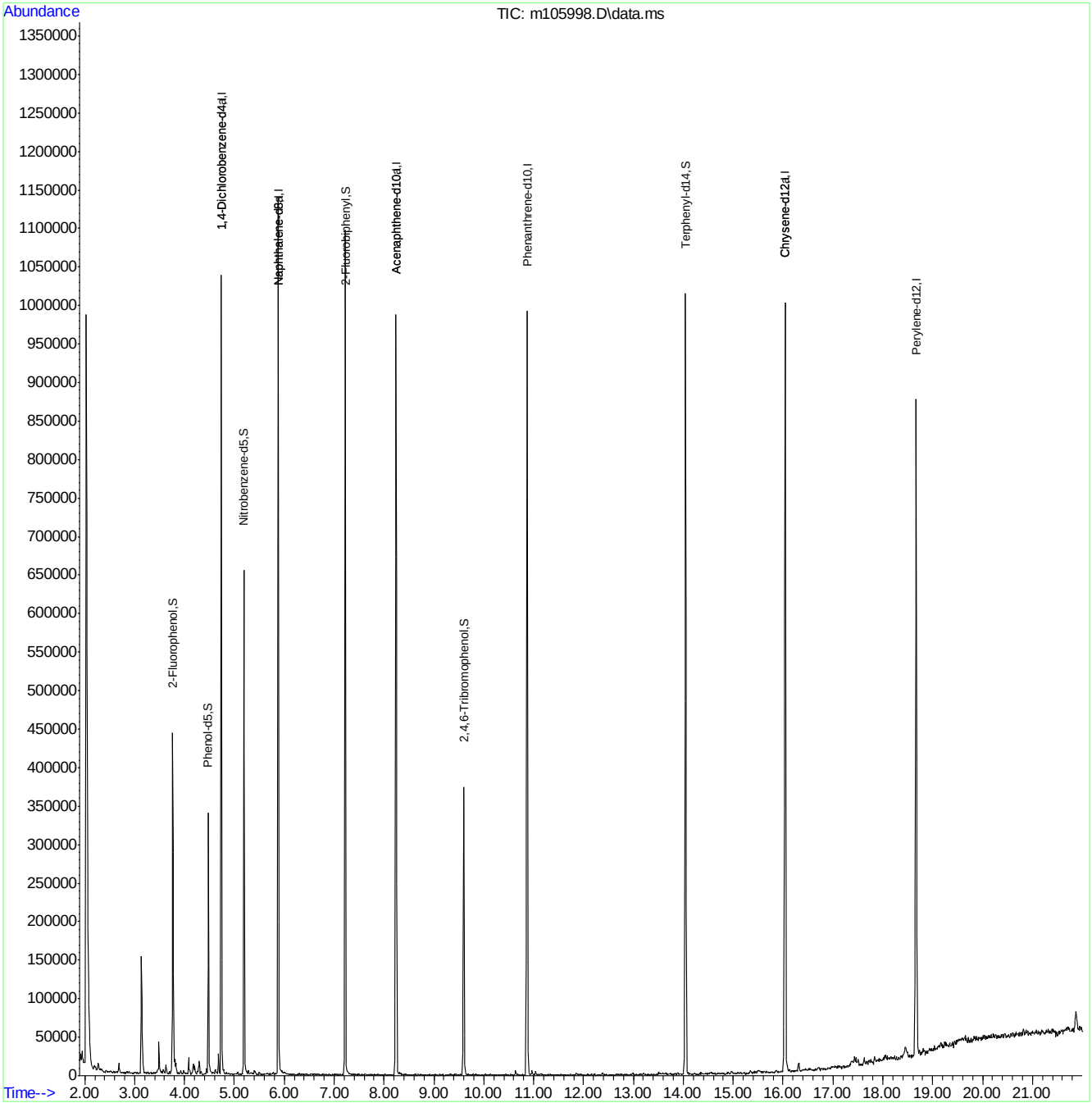
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.738	152	140667	40.00	ppb	0.00
24) Naphthalene-d8	5.881	136	522972	40.00	ppb	0.00
47) Acenaphthene-d10	8.242	164	316959	40.00	ppb	0.00
69) Phenanthrene-d10	10.870	188	536479	40.00	ppb	0.00
83) Chrysene-d12	16.042	240	522594	40.00	ppb	-0.02
92) Perylene-d12	18.670	264	428393	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.738	152	140667	40.00	ppb	0.00
104) Acenaphthene-d10a	8.242	164	316959	40.00	ppb	0.00
107) Chrysene-d12a	16.042	240	522594	40.00	ppb	-0.02
109) Naphthalene-d8a	5.881	136	522972	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.765	112	130435	26.02	ppb	0.00
Spiked Amount 50.000			Recovery = 52.04%			
8) Phenol-d5	4.476	99	118998	18.22	ppb	0.00
Spiked Amount 50.000			Recovery = 36.44%			
25) Nitrobenzene-d5	5.192	82	211081	38.94	ppb	0.00
Spiked Amount 50.000			Recovery = 77.88%			
51) 2-Fluorobiphenyl	7.222	172	414039	37.67	ppb	0.00
Spiked Amount 50.000			Recovery = 75.34%			
73) 2,4,6-Tribromophenol	9.599	330	52084	44.11	ppb	-0.01
Spiked Amount 50.000			Recovery = 88.22%			
86) Terphenyl-d14	14.044	244	484459	41.37	ppb	-0.01
Spiked Amount 50.000			Recovery = 82.74%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105998.D
Acq On : 3 Jul 2014 6:31 pm
Operator : saumilp
Sample : jb69926-11
Misc : op75936,em4334,930
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 05 15:07:08 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62861.D
Acq On : 5 Jul 2014 2:32 pm
Operator : harpreek
Sample : jb69926-13
Misc : op75898,e3e2692,31.2,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 05 17:37:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.663	152	126988	40.00	ppb	0.00
24) Naphthalene-d8	5.749	136	467533	40.00	ppb	0.00
47) Acenaphthene-d10	7.808	164	277696	40.00	ppb	0.00
69) Phenanthrene-d10	9.985	188	465469	40.00	ppb	0.00
83) Chrysene-d12	14.178	240	460305	40.00	ppb	0.00
92) Perylene-d12	16.307	264	431726	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.663	152	126988	40.00	ppb	0.00
104) Acenaphthene-d10a	7.808	164	277696	40.00	ppb	0.00
106) Phenanthrene-d10a	9.985	188	465469	40.00	ppb	0.00
110) Chrysene-d12a	14.178	240	460305	40.00	ppb	0.00
112) Naphthalene-d8a	5.749	136	467533	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.711	112	159004	38.57	ppb	0.00
Spiked Amount 50.000			Recovery = 77.14%			
8) Phenol-d5	4.428	99	197030	38.33	ppb	0.00
Spiked Amount 50.000			Recovery = 76.66%			
25) Nitrobenzene-d5	5.112	82	189085	44.75	ppb	0.00
Spiked Amount 50.000			Recovery = 89.50%			
51) 2-Fluorobiphenyl	6.936	172	391533	41.91	ppb	0.00
Spiked Amount 50.000			Recovery = 83.82%			
73) 2,4,6-Tribromophenol	8.947	330	53340	51.48	ppb	0.00
Spiked Amount 50.000			Recovery = 102.96%			
85) Terphenyl-d14	12.536	244	473785	46.24	ppb	0.00
Spiked Amount 50.000			Recovery = 92.48%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

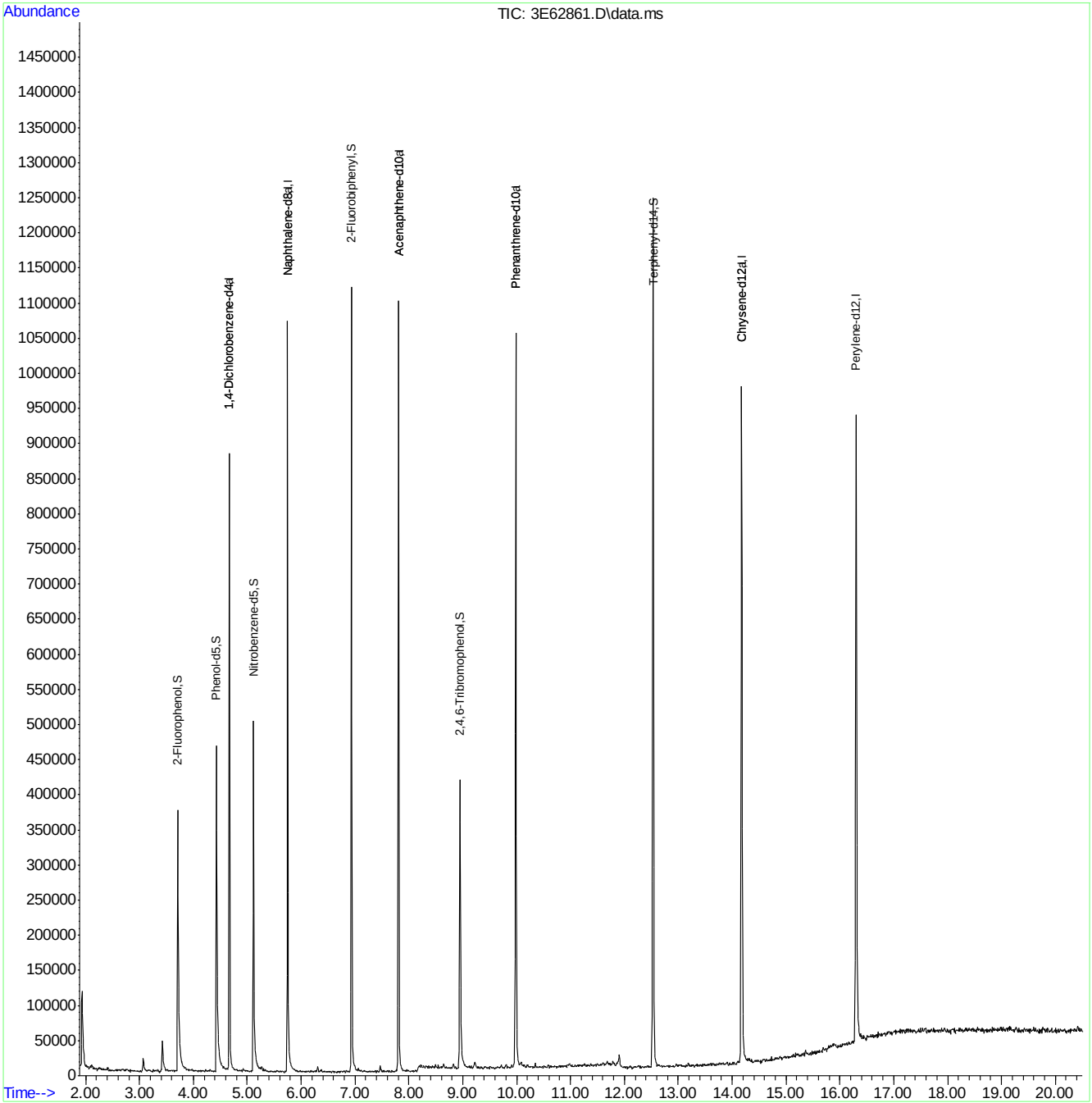
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62861.D
Acq On : 5 Jul 2014 2:32 pm
Operator : harpreek
Sample : jb69926-13
Misc : op75898,e3e2692,31.2,,,1,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 05 17:37:40 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration



M3E2680.M Sat Jul 05 17:37:49 2014 MS3E Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
07/07/14 11:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62864.D
Acq On : 5 Jul 2014 4:19 pm
Operator : harpreek
Sample : jb69926-14
Misc : op75898,e3e2692,31.8,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 05 17:41:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

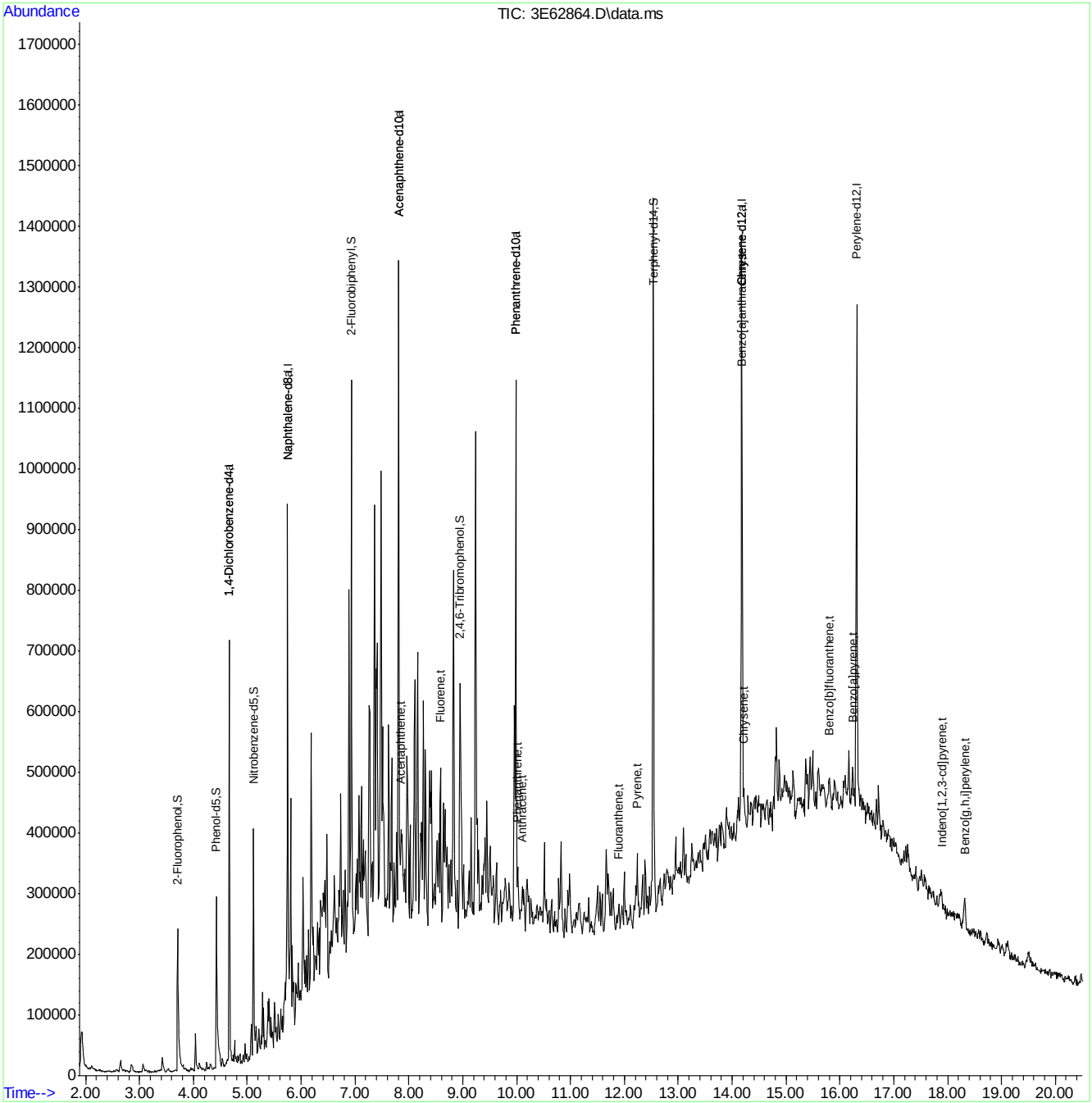
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.663	152	94194	40.00	ppb	0.00
24) Naphthalene-d8	5.749	136	354529	40.00	ppb	0.00
47) Acenaphthene-d10	7.808	164	219497	40.00	ppb	0.00
69) Phenanthrene-d10	9.985	188	374670	40.00	ppb	0.00
83) Chrysene-d12	14.183	240	404850	40.00	ppb	0.00
92) Perylene-d12	16.312	264	359348	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.663	152	94194	40.00	ppb	0.00
104) Acenaphthene-d10a	7.808	164	219497	40.00	ppb	0.00
106) Phenanthrene-d10a	9.985	188	374670	40.00	ppb	0.00
110) Chrysene-d12a	14.183	240	404850	40.00	ppb	0.00
112) Naphthalene-d8a	5.749	136	354529	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.705	112	104634	34.22	ppb	0.00
Spiked Amount 50.000			Recovery = 68.44%			
8) Phenol-d5	4.427	99	128986	33.83	ppb	0.00
Spiked Amount 50.000			Recovery = 67.66%			
25) Nitrobenzene-d5	5.112	82	128935	40.24	ppb	0.00
Spiked Amount 50.000			Recovery = 80.48%			
51) 2-Fluorobiphenyl	6.931	172	300559	40.71	ppb	0.00
Spiked Amount 50.000			Recovery = 81.42%			
73) 2,4,6-Tribromophenol	8.952	330	44144	52.93	ppb	0.00
Spiked Amount 50.000			Recovery = 105.86%			
85) Terphenyl-d14	12.536	244	422854	46.92	ppb	0.00
Spiked Amount 50.000			Recovery = 93.84%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
59) Acenaphthene	7.851	153	8874	1.25	ppb	84
66) Fluorene	8.583	166	20776	2.68	ppb	96
77) Phenanthrene	10.022	178	44065	3.73	ppb	98
78) Anthracene	10.108	178	7974m	0.66	ppb	
81) Fluoranthene	11.894	202	8584	0.73	ppb	89
84) Pyrene	12.242	202	44996	3.13	ppb	96
88) Benzo[a]anthracene	14.167	228	34708	2.72	ppb	96
90) Chrysene	14.221	228	42621	3.68	ppb	85
94) Benzo[b]fluoranthene	15.793	252	15544m	1.22	ppb	
96) Benzo[a]pyrene	16.237	252	34575m	3.12	ppb	
97) Indeno[1,2,3-cd]pyrene	17.885	276	13545	1.04	ppb	83
101) Benzo[g,h,i]perylene	18.313	276	34084	3.26	ppb	84

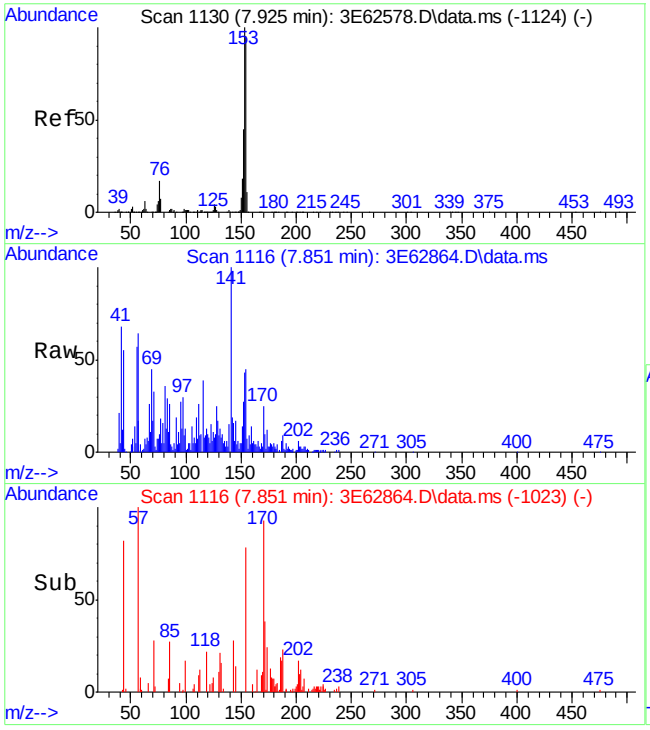
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62864.D
Acq On : 5 Jul 2014 4:19 pm
Operator : harpreek
Sample : jb69926-14
Misc : op75898,e3e2692,31.8,,,1,1
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 05 17:41:59 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

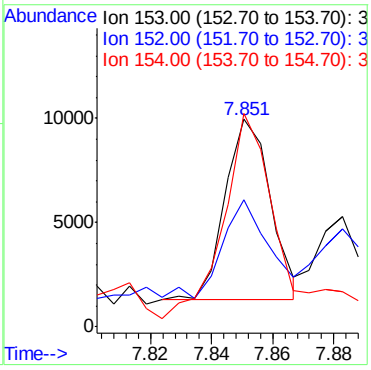


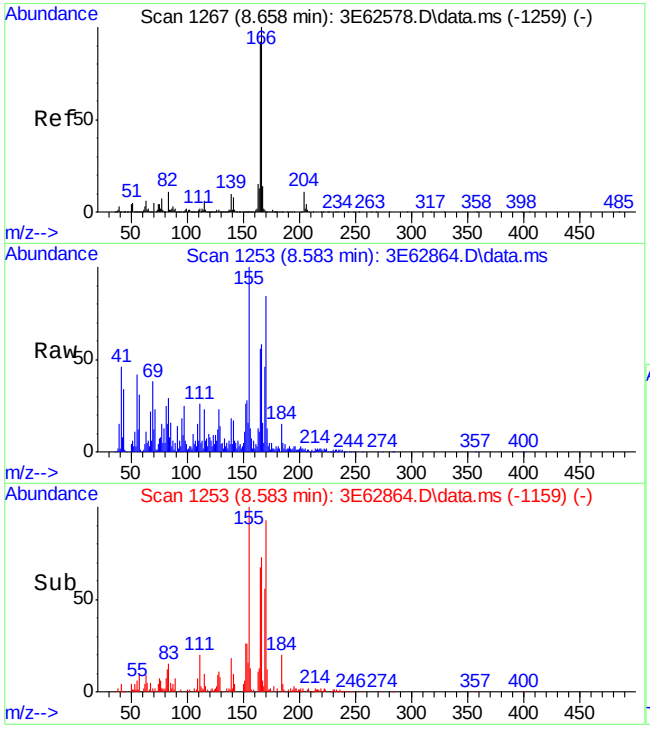


#59
Acenaphthene
Concen: 1.25 ppb
RT: 7.851 min Scan# 1116
Delta R.T. -0.005 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:153 Resp: 8874

Ion	Ratio	Lower	Upper
153	100		
152	51.7	15.1	75.1
154	113.6	65.4	125.4

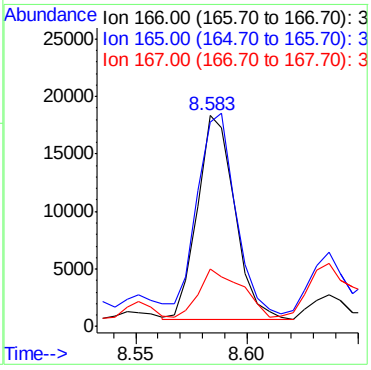


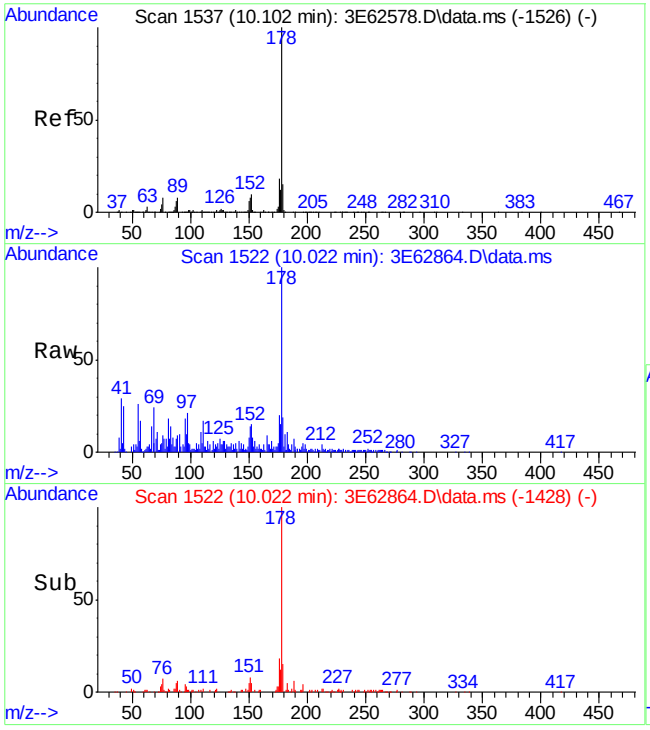


#66
Fluorene
Concen: 2.68 ppb
RT: 8.583 min Scan# 1253
Delta R.T. 0.000 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:166 Resp: 20776

Ion	Ratio	Lower	Upper
166	100		
165	91.1	62.5	122.5
167	22.3	0.0	43.9

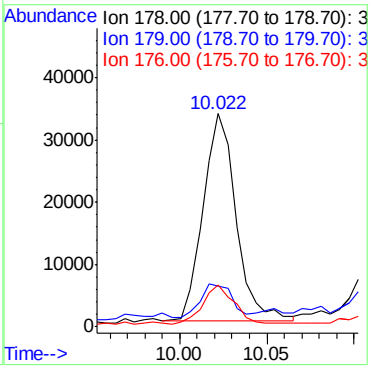


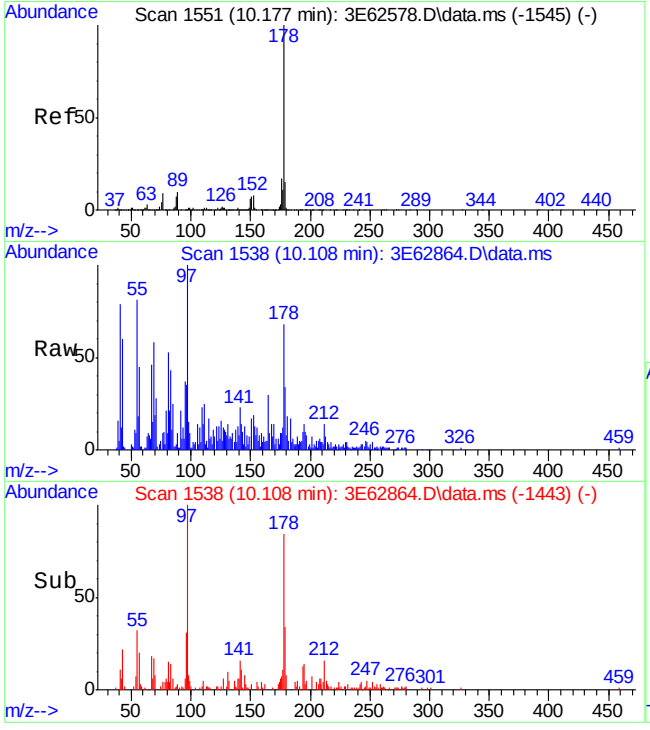


#77
Phenanthrene
Concen: 3.73 ppb
RT: 10.022 min Scan# 1522
Delta R.T. 0.000 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:178 Resp: 44065

Ion	Ratio	Lower	Upper
178	100		
179	13.2	0.0	44.8
176	18.8	0.0	48.4

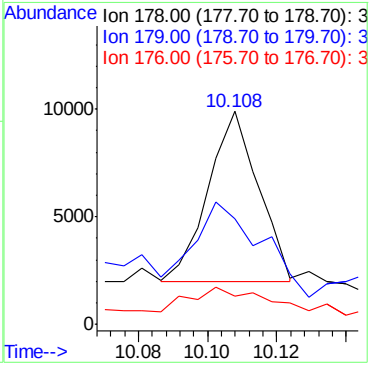


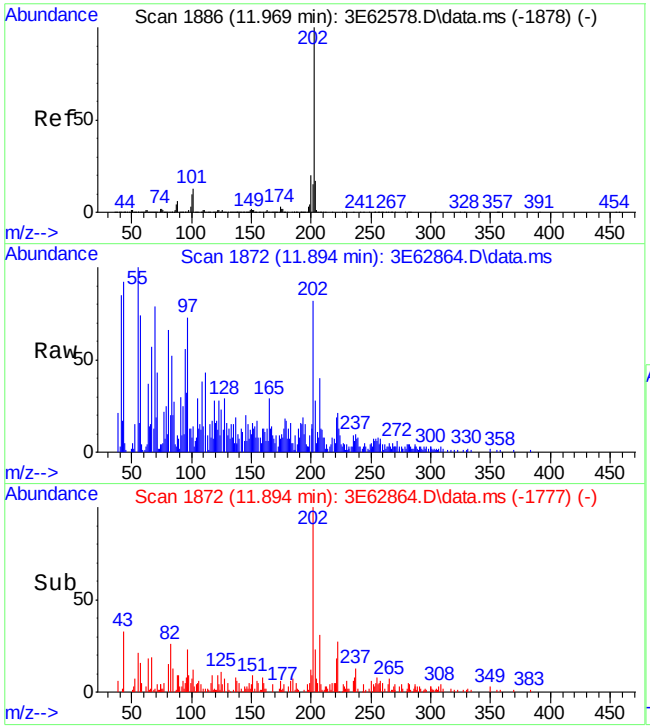


#78
Anthracene
Concen: 0.66 ppb m
RT: 10.108 min Scan# 1538
Delta R.T. 0.006 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:178 Resp: 7974

Ion	Ratio	Lower	Upper
178	100		
179	49.6	0.0	45.3#
176	13.6	0.0	47.2

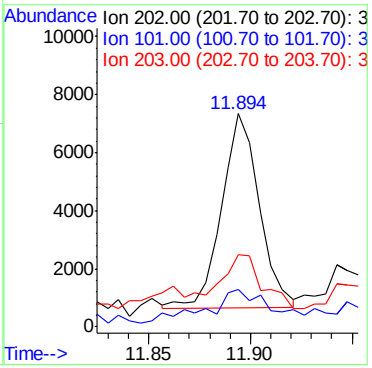


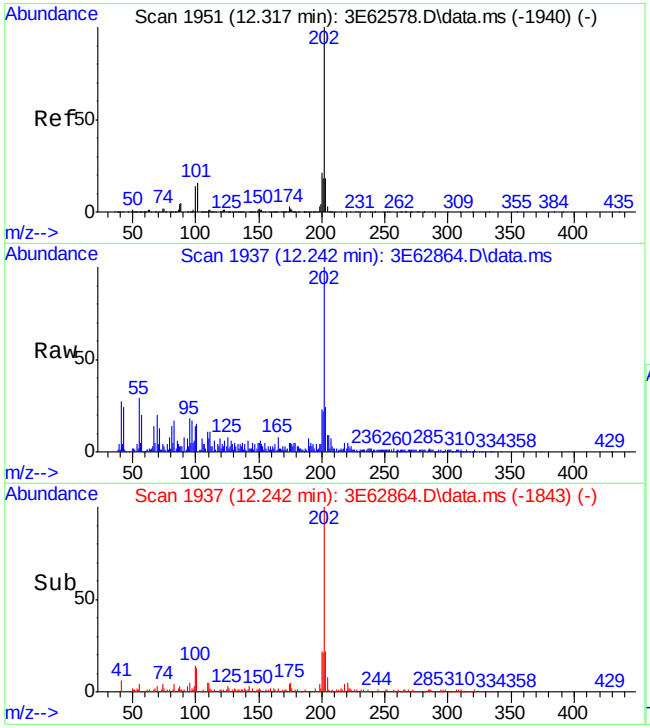


#81
Fluoranthene
Concen: 0.73 ppb
RT: 11.894 min Scan# 1872
Delta R.T. 0.006 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:202 Resp: 8584

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	42.8
203	24.3	0.0	47.0

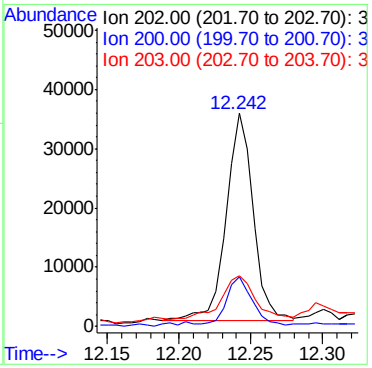


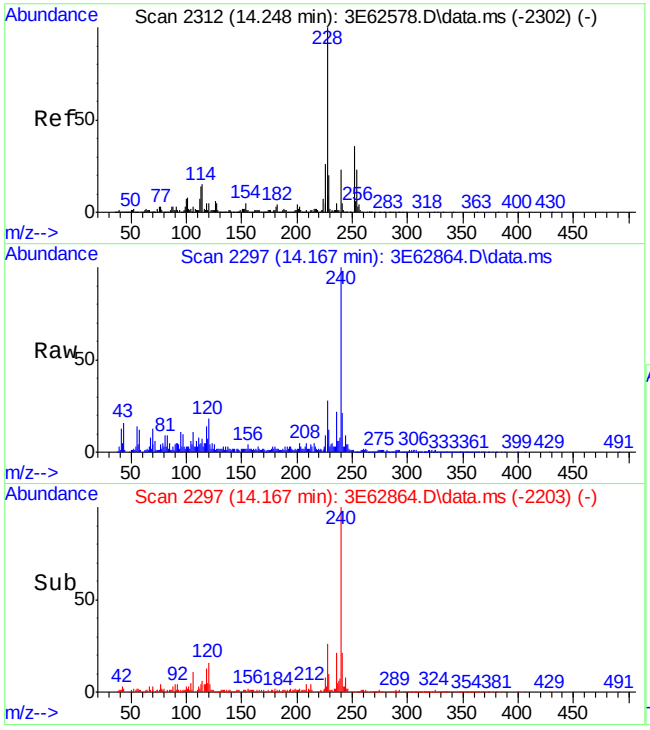


#84
Pyrene
Concen: 3.13 ppb
RT: 12.242 min Scan# 1937
Delta R.T. 0.000 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:202 Resp: 44996

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	50.7
203	20.3	0.0	48.3

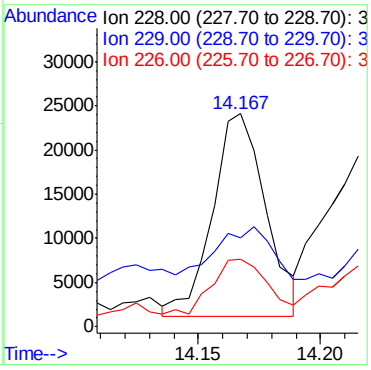


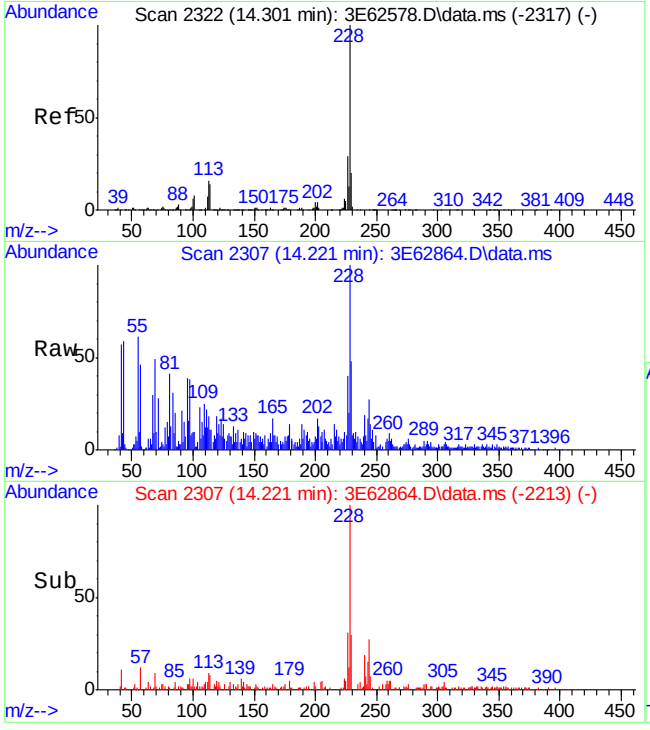


#88
Benzo[a]anthracene
Concen: 2.72 ppb
RT: 14.167 min Scan# 2297
Delta R.T. 0.000 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:228 Resp: 34708

Ion	Ratio	Lower	Upper
228	100		
229	20.3	0.0	49.7
226	28.4	0.0	55.7

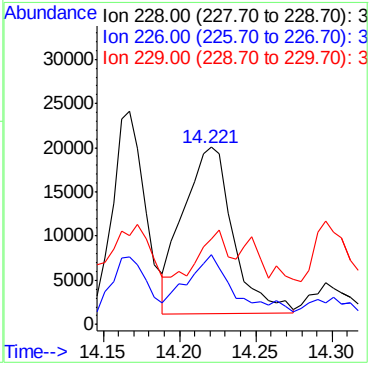


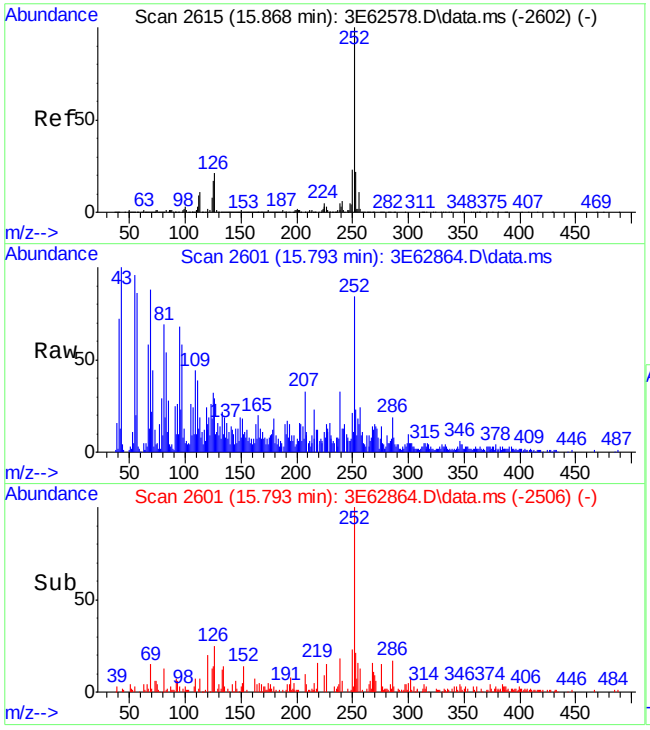


#90
Chrysene
Concen: 3.68 ppb
RT: 14.221 min Scan# 2307
Delta R.T. 0.000 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:228 Resp: 42621

Ion	Ratio	Lower	Upper
228	100		
226	36.5	0.0	58.7
229	27.3	0.0	49.8

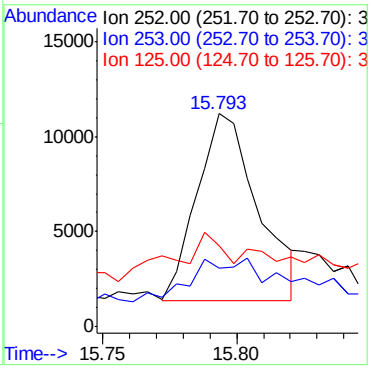


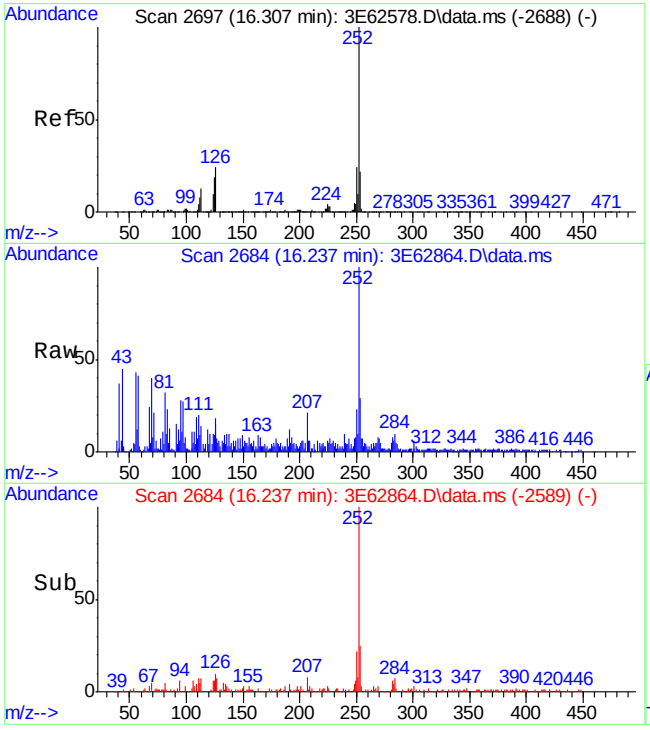


#94
Benzo[b]fluoranthene
Concen: 1.22 ppb m
RT: 15.793 min Scan# 2601
Delta R.T. 0.006 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:252 Resp: 15544

Ion	Ratio	Lower	Upper
252	100		
253	27.5	0.0	52.3
125	38.2	0.0	46.7

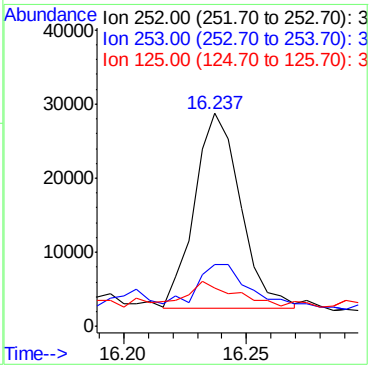


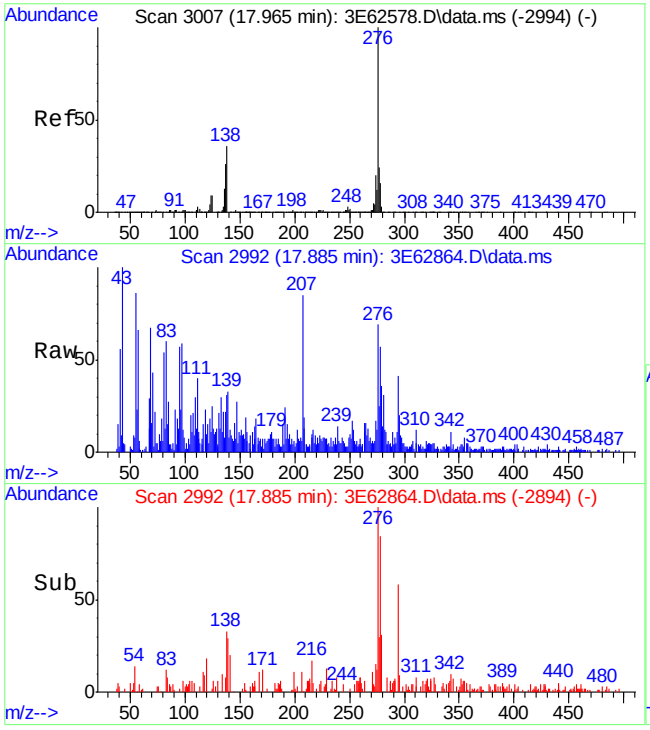


#96
Benzo[a]pyrene
Concen: 3.12 ppb m
RT: 16.237 min Scan# 2684
Delta R.T. 0.006 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:252 Resp: 34575

Ion	Ratio	Lower	Upper
252	100		
253	29.3	0.0	51.8
125	17.9	0.0	48.8

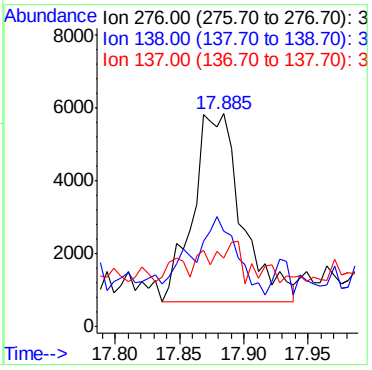


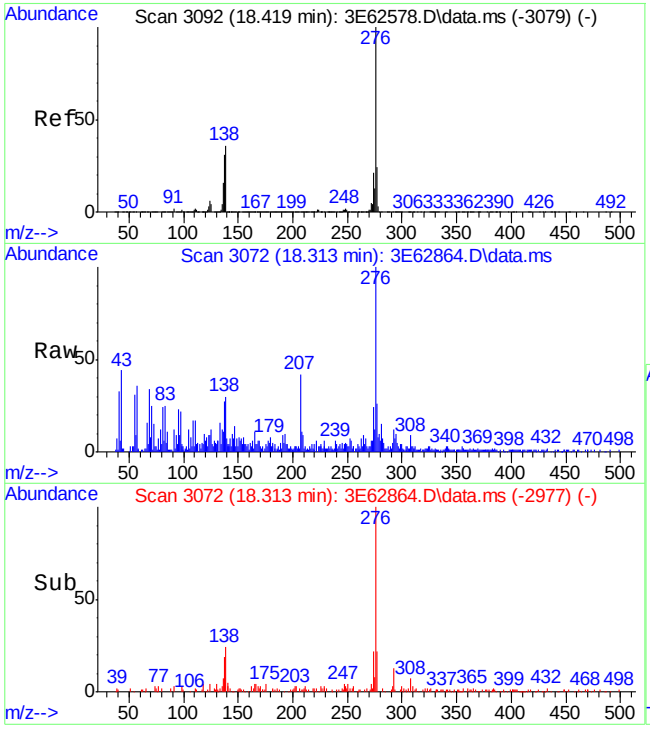


#97
Indeno[1,2,3-cd]pyrene
Concen: 1.04 ppb
RT: 17.885 min Scan# 2992
Delta R.T. 0.022 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:276 Resp: 13545

Ion	Ratio	Lower	Upper
276	100		
138	32.3	6.3	66.3
137	10.6	0.0	56.4

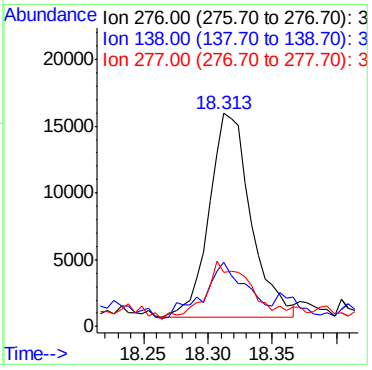




#101
Benzo[g,h,i]perylene
Concen: 3.26 ppb
RT: 18.313 min Scan# 3072
Delta R.T. 0.006 min
Lab File: 3E62864.D
Acq: 5 Jul 2014 4:19 pm

Tgt Ion:276 Resp: 34084

Ion	Ratio	Lower	Upper
276	100		
138	22.9	5.9	65.9
277	21.0	0.0	53.7



Manual Integration Approval Summary

Sample Number:	JB69926-14	**Method:**	SW846 8270D
Lab FileID:	3E62864.D	**Analyst approved:**	07/05/14 17:44 Kristi Schollenberger
Injection Time:	07/05/14 16:19	**Supervisor approved:**	07/07/14 11:38 Kristin Weiler

Parameter	CAS	Sig#	R.T. (min.)	Reason
Anthracene	120-12-7		10.11	Poor instrument integration
Benzo(b)fluoranthene	205-99-2		15.79	Overlapping peak
Benzo(a)pyrene	50-32-8		16.24	Poor instrument integration

Manual Integrations APPROVED (compounds with "m" flag)
Kristin Weiler
07/07/14 11:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62865.D
Acq On : 5 Jul 2014 4:45 pm
Operator : harpreek
Sample : jb69926-15
Misc : op75898,e3e2692,31.1,,,1,1
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 07 14:24:31 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

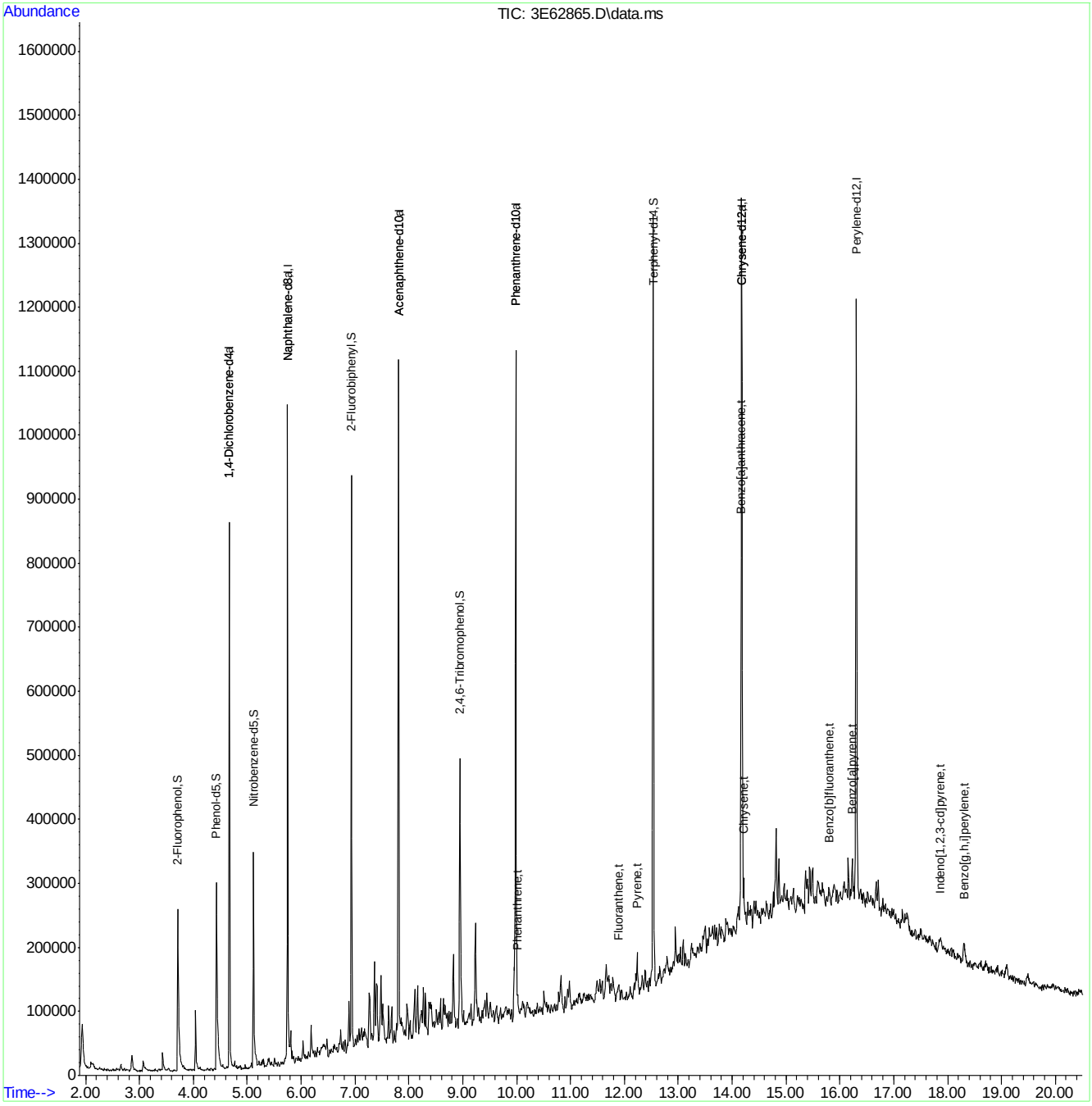
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.663	152	119541	40.00	ppb	0.00
24) Naphthalene-d8	5.748	136	440654	40.00	ppb	0.00
47) Acenaphthene-d10	7.808	164	269189	40.00	ppb	0.00
69) Phenanthrene-d10	9.985	188	452805	40.00	ppb	0.00
83) Chrysene-d12	14.178	240	470967	40.00	ppb	0.00
92) Perylene-d12	16.307	264	403920	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.663	152	119541	40.00	ppb	0.00
104) Acenaphthene-d10a	7.808	164	269189	40.00	ppb	0.00
106) Phenanthrene-d10a	9.985	188	452805	40.00	ppb	0.00
110) Chrysene-d12a	14.178	240	470967	40.00	ppb	0.00
112) Naphthalene-d8a	5.748	136	440654	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.711	112	107263	27.64	ppb	0.00
Spiked Amount 50.000			Recovery = 55.28%			
8) Phenol-d5	4.427	99	137744	28.47	ppb	0.00
Spiked Amount 50.000			Recovery = 56.94%			
25) Nitrobenzene-d5	5.112	82	130230	32.70	ppb	0.00
Spiked Amount 50.000			Recovery = 65.40%			
51) 2-Fluorobiphenyl	6.930	172	294010	32.47	ppb	0.00
Spiked Amount 50.000			Recovery = 64.94%			
73) 2,4,6-Tribromophenol	8.947	330	50819	50.42	ppb	0.00
Spiked Amount 50.000			Recovery = 100.84%			
85) Terphenyl-d14	12.536	244	457190	43.61	ppb	0.00
Spiked Amount 50.000			Recovery = 87.22%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
77) Phenanthrene	10.017	178	15038	1.05	ppb	97
81) Fluoranthene	11.894	202	5780	0.41	ppb	87
84) Pyrene	12.236	202	30953	1.85	ppb	94
88) Benzo[a]anthracene	14.162	228	33812m	2.28	ppb	
90) Chrysene	14.215	228	40178	2.98	ppb	94
94) Benzo[b]fluoranthene	15.788	252	11843	0.82	ppb	78
96) Benzo[a]pyrene	16.232	252	28029m	2.25	ppb	
97) Indeno[1,2,3-cd]pyrene	17.868	276	7949	0.54	ppb #	55
101) Benzo[g,h,i]perylene	18.307	276	21545	1.83	ppb	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62865.D
Acq On : 5 Jul 2014 4:45 pm
Operator : harpreek
Sample : jb69926-15
Misc : op75898,e3e2692,31.1,,,1,1
ALS Vial : 18 Sample Multiplier: 1

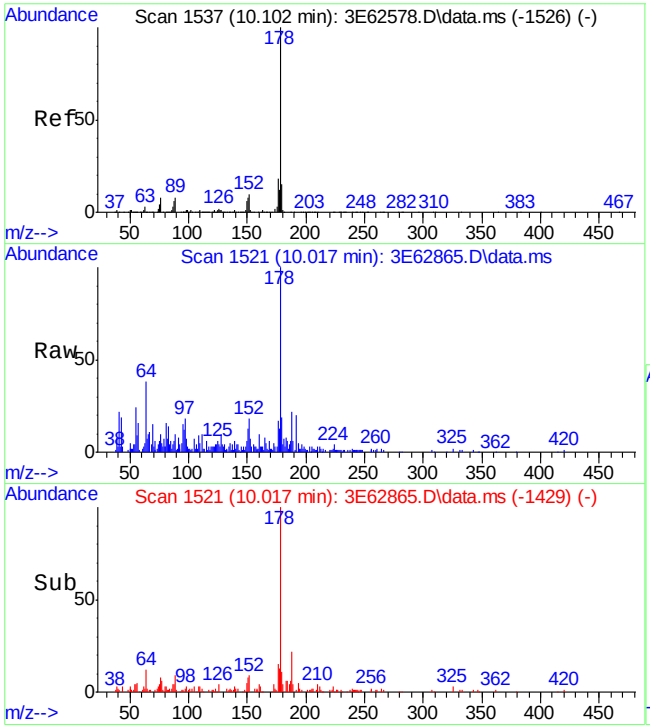
Quant Time: Jul 07 14:24:31 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration



M3E2680.M Mon Jul 07 14:24:37 2014 MS3E Page: 2

9.1.15

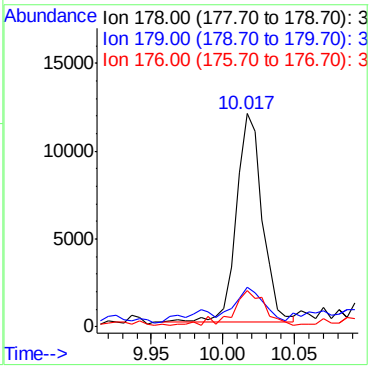
9

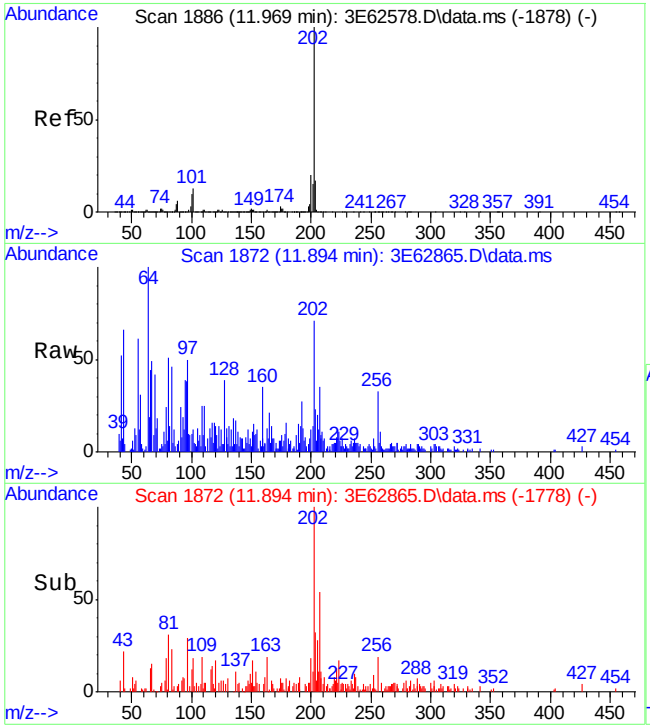


#77
Phenanthrene
Concen: 1.05 ppb
RT: 10.017 min Scan# 1521
Delta R.T. -0.005 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:178 Resp: 15038

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	44.8
176	16.5	0.0	48.4

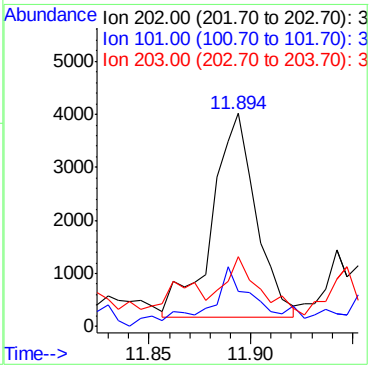


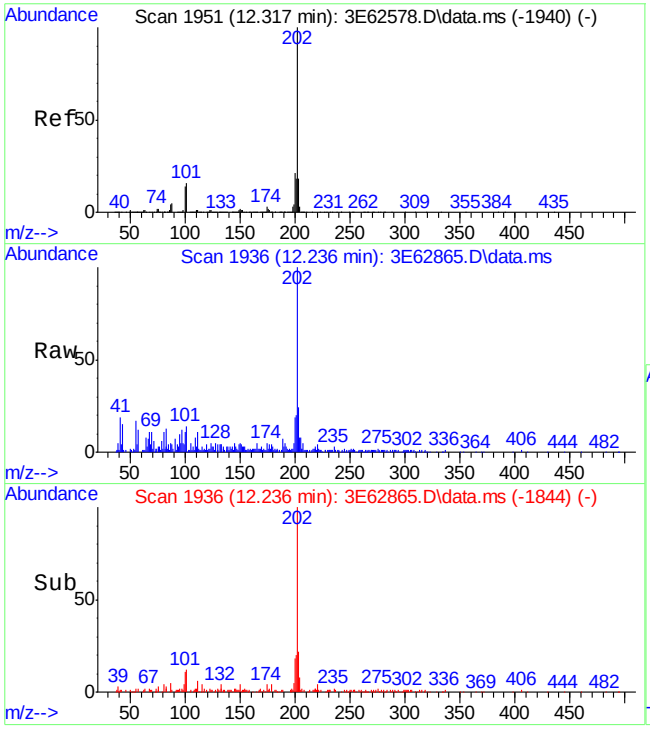


#81
Fluoranthene
Concen: 0.41 ppb
RT: 11.894 min Scan# 1872
Delta R.T. 0.005 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:202 Resp: 5780

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	42.8
203	25.6	0.0	47.0

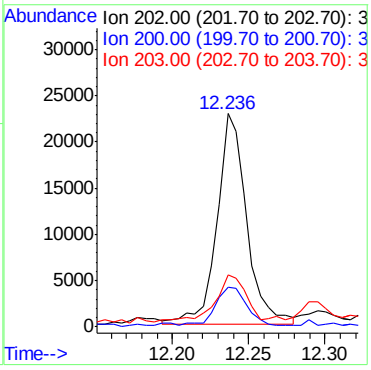


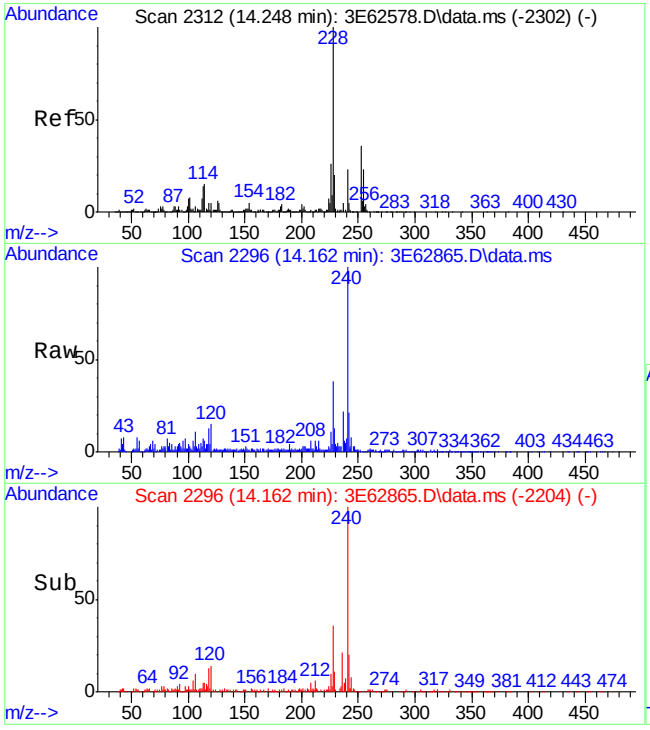


#84
Pyrene
Concen: 1.85 ppb
RT: 12.236 min Scan# 1936
Delta R.T. -0.005 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:202 Resp: 30953

Ion	Ratio	Lower	Upper
202	100		
200	18.0	0.0	50.7
203	21.3	0.0	48.3

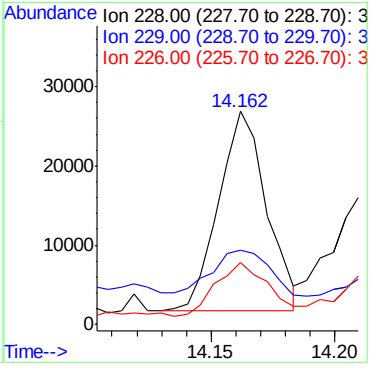


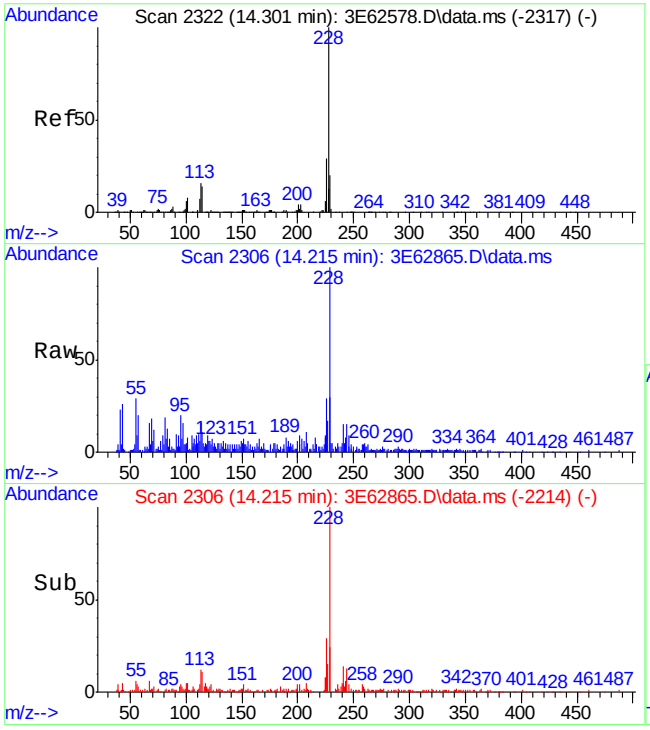


#88
Benzo[a]anthracene
Concen: 2.28 ppb m
RT: 14.162 min Scan# 2296
Delta R.T. -0.005 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:228 Resp: 33812

Ion	Ratio	Lower	Upper
228	100		
229	35.0	0.0	49.7
226	29.2	0.0	55.7

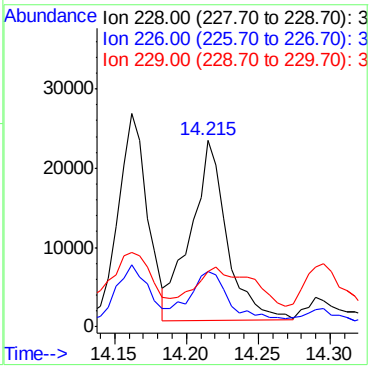


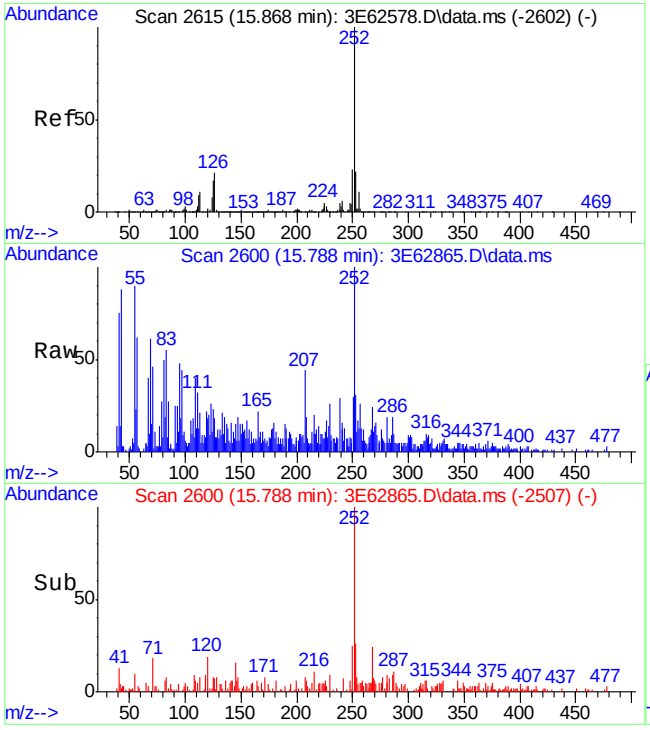


#90
Chrysene
Concen: 2.98 ppb
RT: 14.215 min Scan# 2306
Delta R.T. -0.005 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:228 Resp: 40178

Ion	Ratio	Lower	Upper
228	100		
226	25.1	0.0	58.7
229	18.0	0.0	49.8

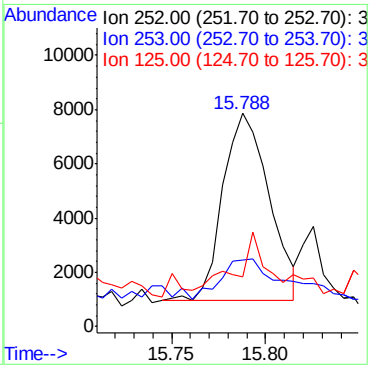


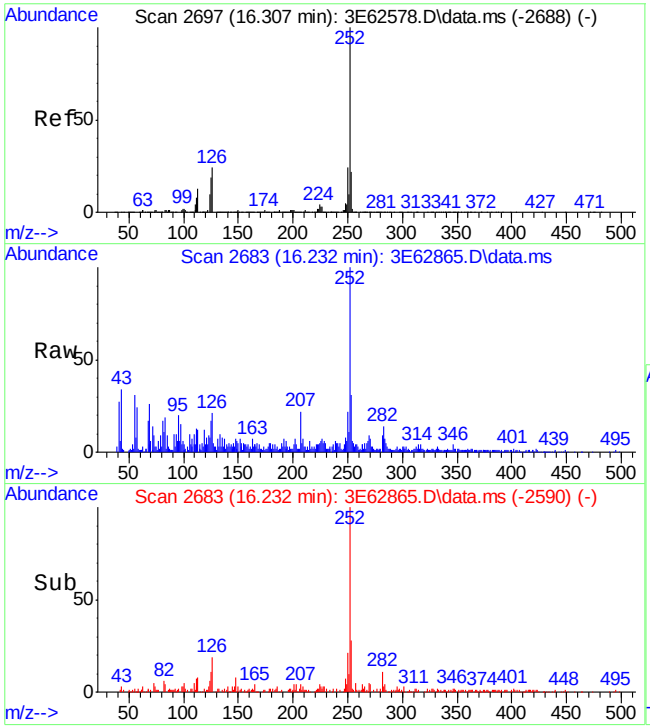


#94
Benzo[b]fluoranthene
Concen: 0.82 ppb
RT: 15.788 min Scan# 2600
Delta R.T. 0.000 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:252 Resp: 11843

Ion	Ratio	Lower	Upper
252	100		
253	13.6	0.0	52.3
125	5.2	0.0	46.7

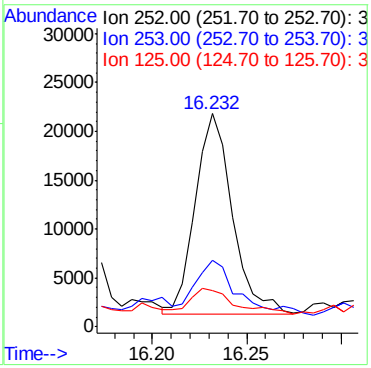


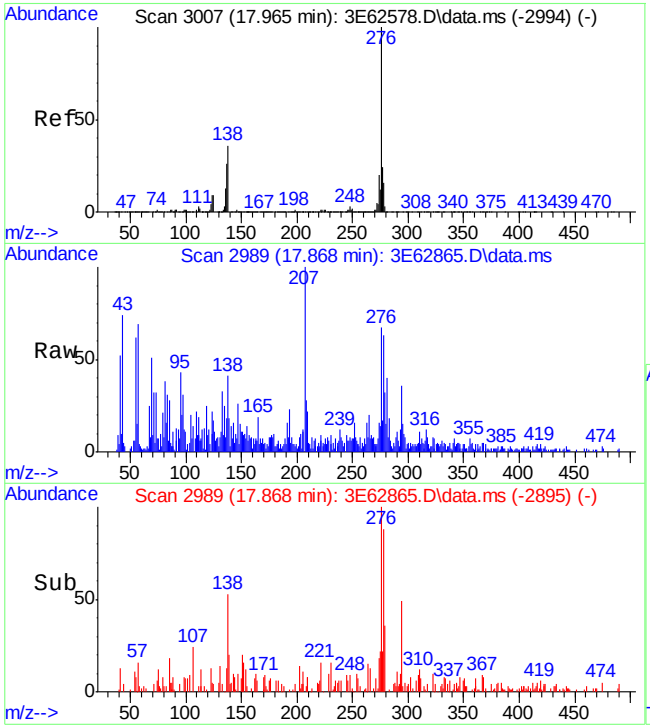


#96
Benzo[a]pyrene
Concen: 2.25 ppb m
RT: 16.232 min Scan# 2683
Delta R.T. 0.000 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:252 Resp: 28029

Ion	Ratio	Lower	Upper
252	100		
253	31.4	0.0	51.8
125	16.8	0.0	48.8

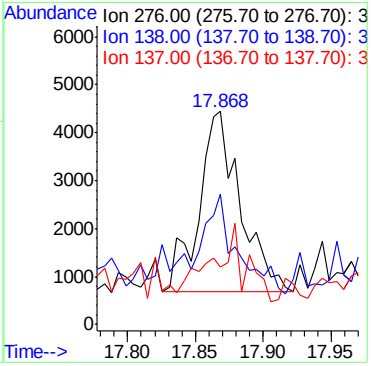


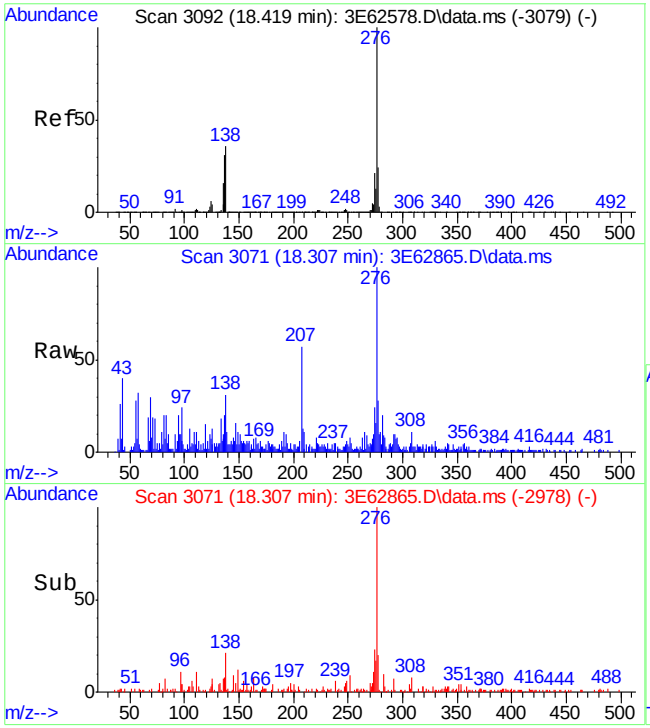


#97
Indeno[1,2,3-cd]pyrene
Concen: 0.54 ppb
RT: 17.868 min Scan# 2989
Delta R.T. 0.005 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:276 Resp: 7949

Ion	Ratio	Lower	Upper
276	100		
138	69.3	6.3	66.3#
137	11.6	0.0	56.4

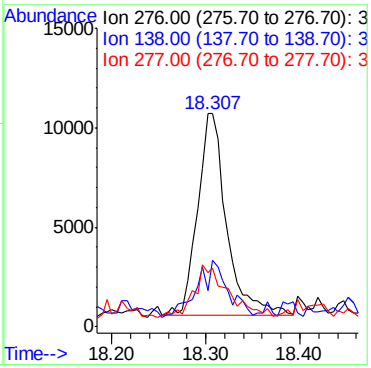




#101
Benzo[g,h,i]perylene
Concen: 1.83 ppb
RT: 18.307 min Scan# 3071
Delta R.T. 0.000 min
Lab File: 3E62865.D
Acq: 5 Jul 2014 4:45 pm

Tgt Ion:276 Resp: 21545

Ion	Ratio	Lower	Upper
276	100		
138	24.6	5.9	65.9
277	23.7	0.0	53.7



Manual Integration Approval Summary

Sample Number:	JB69926-15	**Method:**	SW846 8270D
Lab FileID:	3E62865.D	**Analyst approved:**	07/05/14 17:44 Kristi Schollenberger
Injection Time:	07/05/14 16:45	**Supervisor approved:**	07/07/14 11:38 Kristin Weiler

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(a)anthracene	56-55-3		14.16	Poor instrument integration
Benzo(a)pyrene	50-32-8		16.23	Poor instrument integration

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62866.D
Acq On : 5 Jul 2014 5:12 pm
Operator : harpreek
Sample : jb69926-16
Misc : op75898,e3e2692,33.0,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 05 17:44:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.663	152	104588	40.00	ppb	0.00
24) Naphthalene-d8	5.749	136	395043	40.00	ppb	0.00
47) Acenaphthene-d10	7.808	164	236532	40.00	ppb	0.00
69) Phenanthrene-d10	9.985	188	395831	40.00	ppb	0.00
83) Chrysene-d12	14.173	240	400318	40.00	ppb	-0.01
92) Perylene-d12	16.301	264	389778	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4a	4.663	152	104588	40.00	ppb	0.00
104) Acenaphthene-d10a	7.808	164	236532	40.00	ppb	0.00
106) Phenanthrene-d10a	9.985	188	395831	40.00	ppb	0.00
110) Chrysene-d12a	14.173	240	400318	40.00	ppb	-0.01
112) Naphthalene-d8a	5.749	136	395043	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.711	112	115207	33.93	ppb	0.00
Spiked Amount 50.000			Recovery = 67.86%			
8) Phenol-d5	4.427	99	152160	35.94	ppb	0.00
Spiked Amount 50.000			Recovery = 71.88%			
25) Nitrobenzene-d5	5.112	82	139992	39.21	ppb	0.00
Spiked Amount 50.000			Recovery = 78.42%			
51) 2-Fluorobiphenyl	6.931	172	295025	37.08	ppb	0.00
Spiked Amount 50.000			Recovery = 74.16%			
73) 2,4,6-Tribromophenol	8.947	330	46732	53.04	ppb	0.00
Spiked Amount 50.000			Recovery = 106.08%			
85) Terphenyl-d14	12.531	244	411316	46.15	ppb	0.00
Spiked Amount 50.000			Recovery = 92.30%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

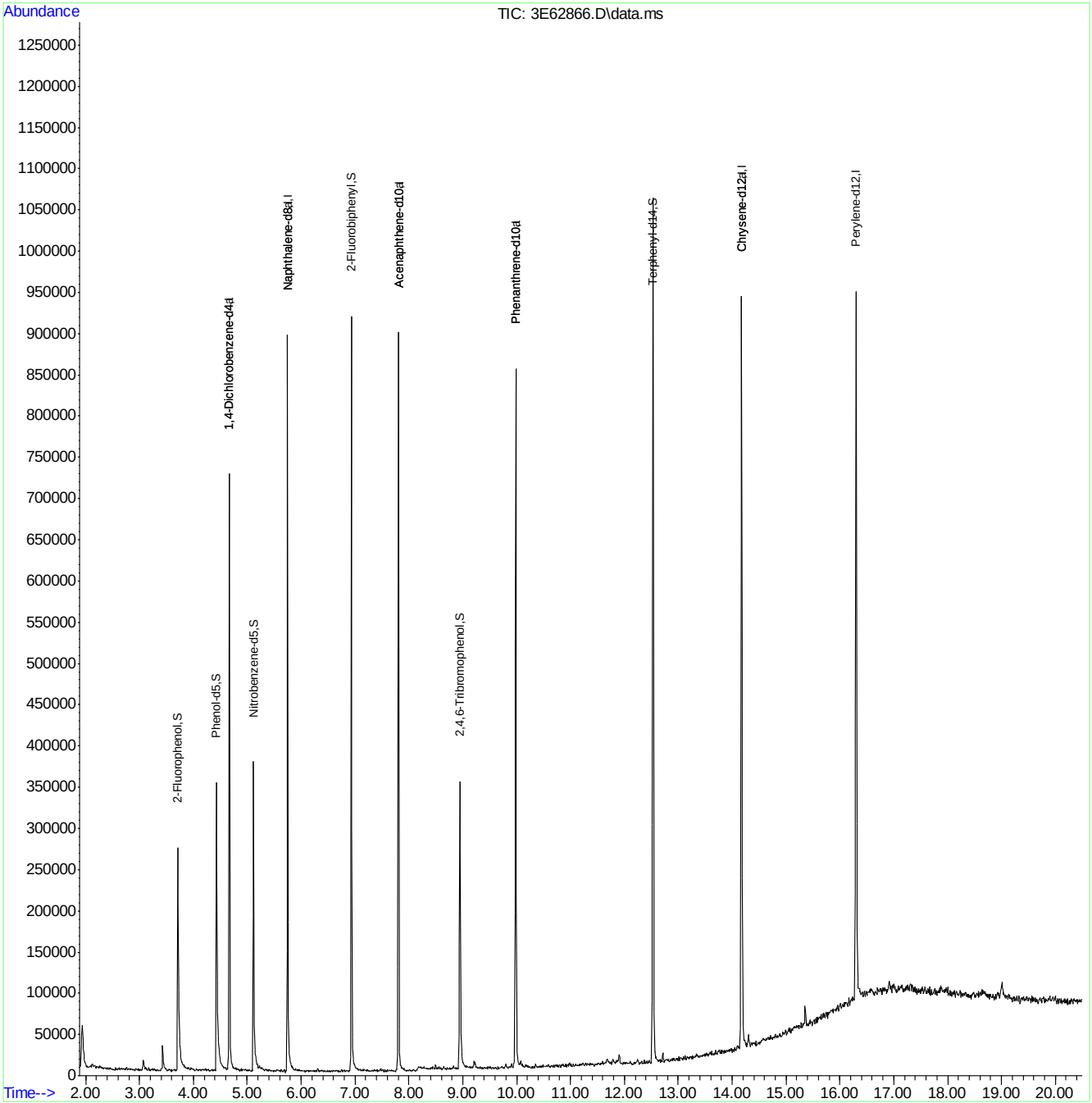
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62866.D
Acq On : 5 Jul 2014 5:12 pm
Operator : harpreek
Sample : jb69926-16
Misc : op75898,e3e2692,33.0,,,1,1
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 05 17:44:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration



M3E2680.M Sat Jul 05 17:44:25 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62862.D
Acq On : 5 Jul 2014 2:58 pm
Operator : harpreek
Sample : jb69926-17
Misc : op75898,e3e2692,32.3,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 05 17:38:33 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

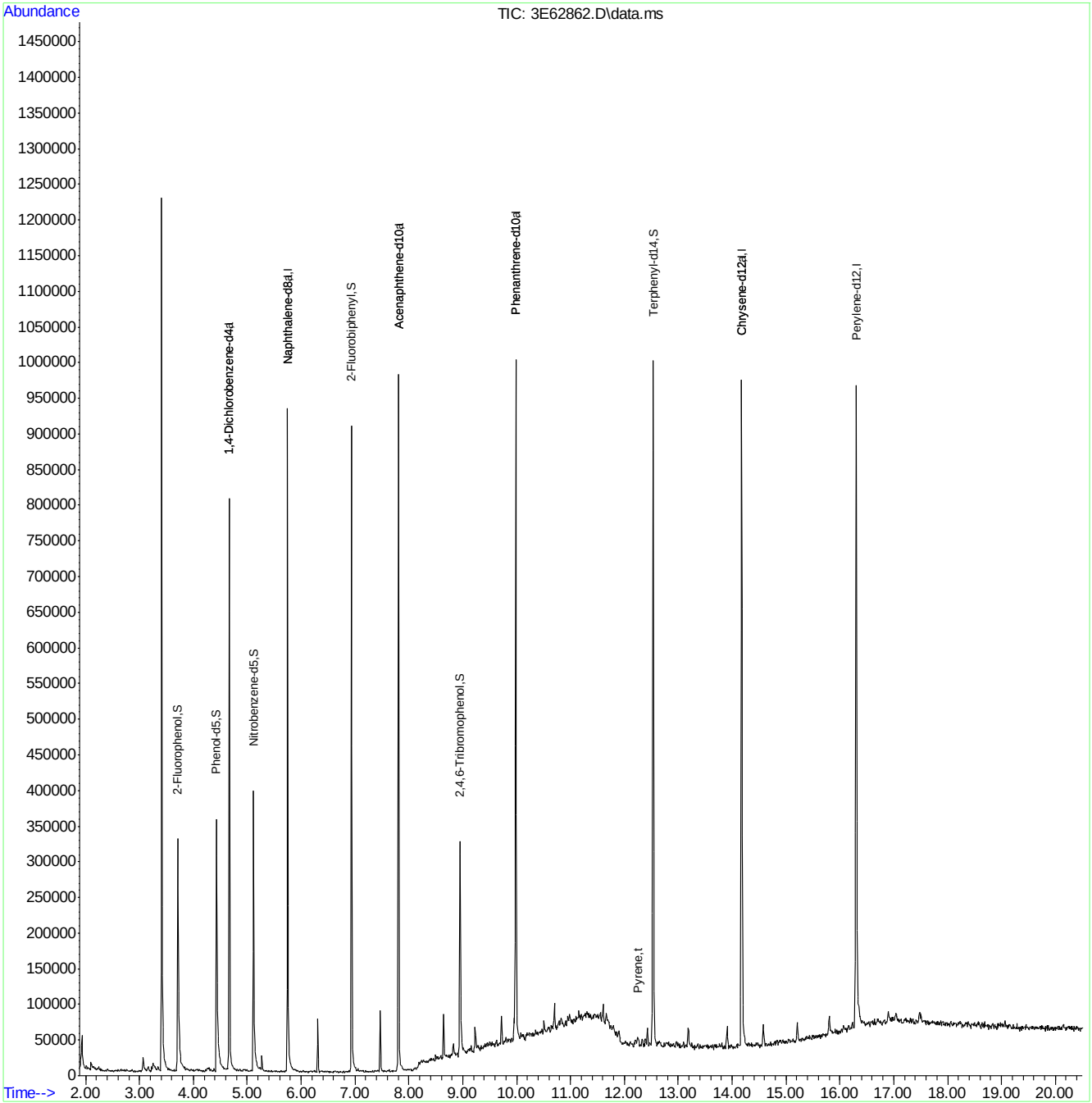
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.663	152	108873	40.00	ppb	0.00
24) Naphthalene-d8	5.748	136	416017	40.00	ppb	0.00
47) Acenaphthene-d10	7.808	164	251015	40.00	ppb	0.00
69) Phenanthrene-d10	9.985	188	417469	40.00	ppb	0.00
83) Chrysene-d12	14.178	240	434671	40.00	ppb	0.00
92) Perylene-d12	16.307	264	410056	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.663	152	108873	40.00	ppb	0.00
104) Acenaphthene-d10a	7.808	164	251015	40.00	ppb	0.00
106) Phenanthrene-d10a	9.985	188	417469	40.00	ppb	0.00
110) Chrysene-d12a	14.178	240	434671	40.00	ppb	0.00
112) Naphthalene-d8a	5.748	136	416017	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.711	112	129998	36.78	ppb	0.00
Spiked Amount 50.000			Recovery = 73.56%			
8) Phenol-d5	4.427	99	157726	35.79	ppb	0.00
Spiked Amount 50.000			Recovery = 71.58%			
25) Nitrobenzene-d5	5.112	82	149092	39.65	ppb	0.00
Spiked Amount 50.000			Recovery = 79.30%			
51) 2-Fluorobiphenyl	6.936	172	312490	37.01	ppb	0.00
Spiked Amount 50.000			Recovery = 74.02%			
73) 2,4,6-Tribromophenol	8.952	330	37855	40.74	ppb	0.00
Spiked Amount 50.000			Recovery = 81.48%			
85) Terphenyl-d14	12.536	244	361304	37.34	ppb	0.00
Spiked Amount 50.000			Recovery = 74.68%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
84) Pyrene	12.242	202	6284	0.41	ppb	98

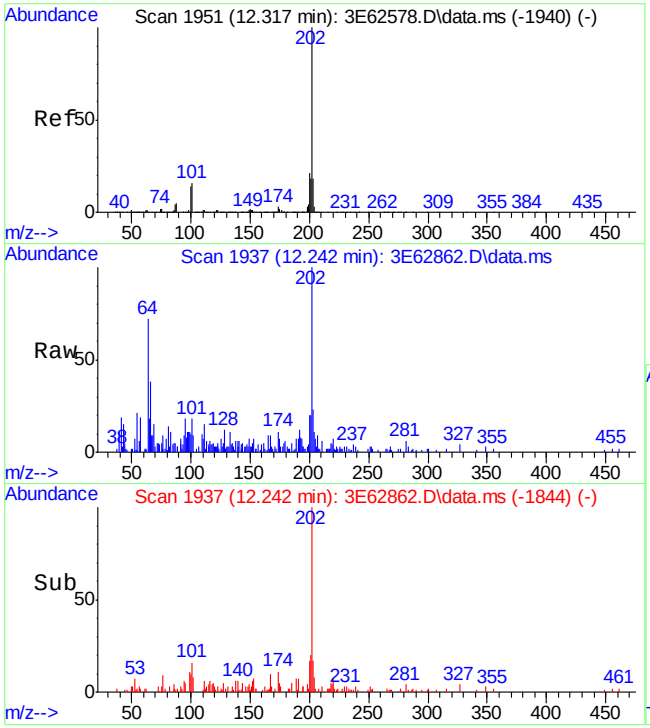
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62862.D
Acq On : 5 Jul 2014 2:58 pm
Operator : harpreek
Sample : jb69926-17
Misc : op75898,e3e2692,32.3,,,1,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 05 17:38:33 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

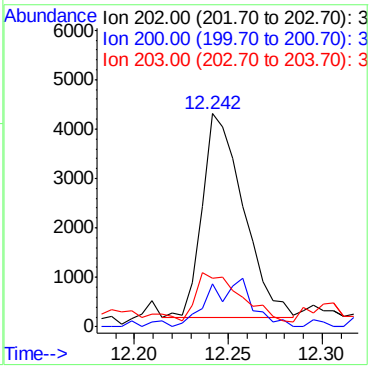




#84
Pyrene
Concen: 0.41 ppb
RT: 12.242 min Scan# 1937
Delta R.T. 0.000 min
Lab File: 3E62862.D
Acq: 5 Jul 2014 2:58 pm

Tgt Ion:202 Resp: 6284

Ion	Ratio	Lower	Upper
202	100		
200	19.5	0.0	50.7
203	19.3	0.0	48.3



9.1.17

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62863.D
Acq On : 5 Jul 2014 3:25 pm
Operator : harpreek
Sample : jb69926-18
Misc : op75898,e3e2692,32.3,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 05 17:39:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.663	152	122189	40.00	ppb	0.00
24) Naphthalene-d8	5.748	136	454057	40.00	ppb	0.00
47) Acenaphthene-d10	7.808	164	279557	40.00	ppb	0.00
69) Phenanthrene-d10	9.985	188	466807	40.00	ppb	0.00
83) Chrysene-d12	14.178	240	474686	40.00	ppb	0.00
92) Perylene-d12	16.307	264	440705	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.663	152	122189	40.00	ppb	0.00
104) Acenaphthene-d10a	7.808	164	279557	40.00	ppb	0.00
106) Phenanthrene-d10a	9.985	188	466807	40.00	ppb	0.00
110) Chrysene-d12a	14.178	240	474686	40.00	ppb	0.00
112) Naphthalene-d8a	5.748	136	454057	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.711	112	124477	31.38	ppb	0.00
Spiked Amount 50.000			Recovery = 62.76%			
8) Phenol-d5	4.427	99	150772	30.48	ppb	0.00
Spiked Amount 50.000			Recovery = 60.96%			
25) Nitrobenzene-d5	5.112	82	154540	37.66	ppb	0.00
Spiked Amount 50.000			Recovery = 75.32%			
51) 2-Fluorobiphenyl	6.936	172	316753	33.68	ppb	0.00
Spiked Amount 50.000			Recovery = 67.36%			
73) 2,4,6-Tribromophenol	8.952	330	43797	42.15	ppb	0.00
Spiked Amount 50.000			Recovery = 84.30%			
85) Terphenyl-d14	12.536	244	393470	37.23	ppb	0.00
Spiked Amount 50.000			Recovery = 74.46%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0d	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

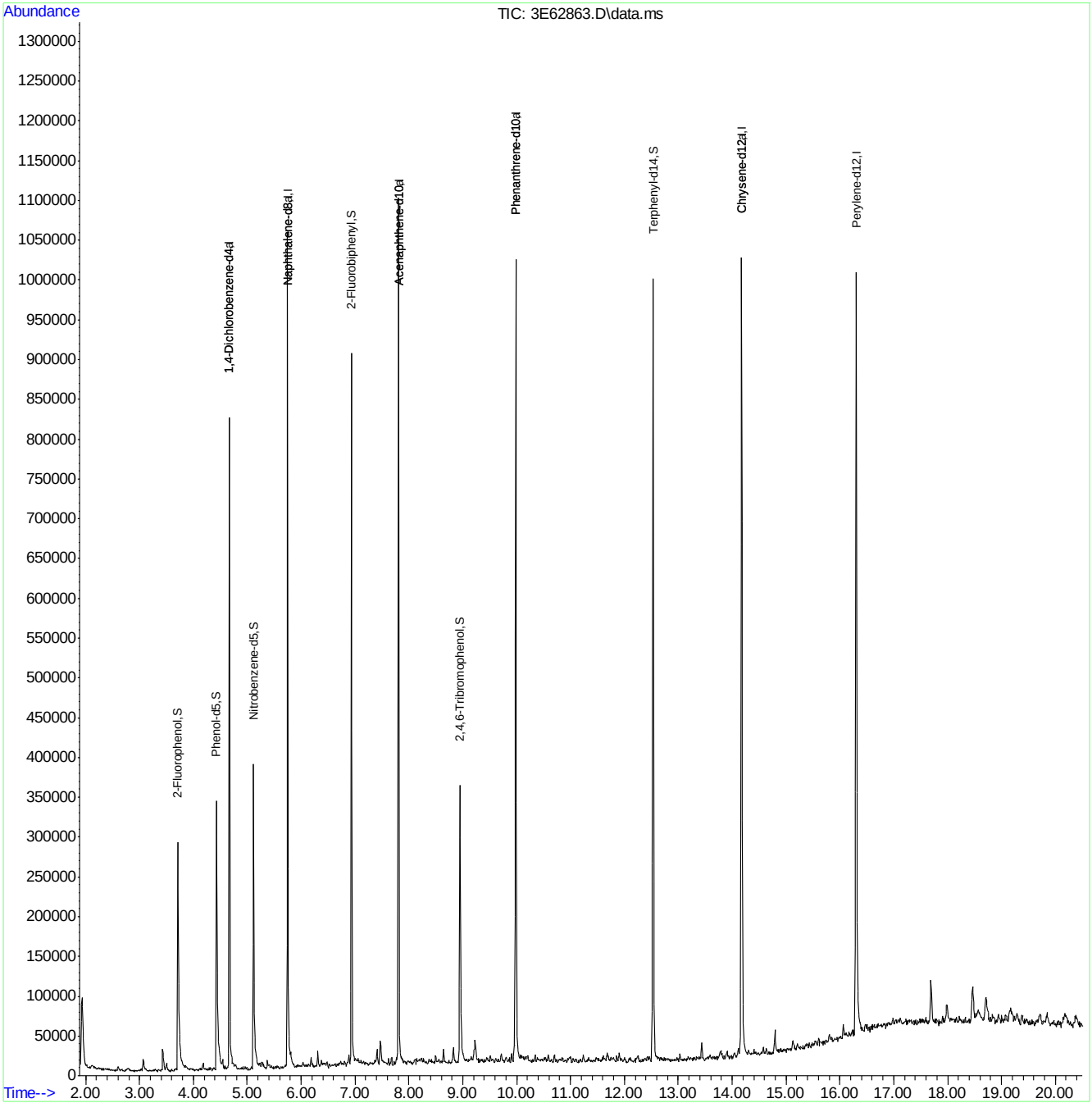
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62863.D
Acq On : 5 Jul 2014 3:25 pm
Operator : harpreek
Sample : jb69926-18
Misc : op75898,e3e2692,32.3,,,1,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 05 17:39:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:30:15 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration



Quantitation Report (LSC Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33097.D
Acq On : 24 Jun 2014 9:29 pm
Operator : ashleyd
Sample : op75897-mb1
Misc : op75897,e3p1414,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 15:47:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

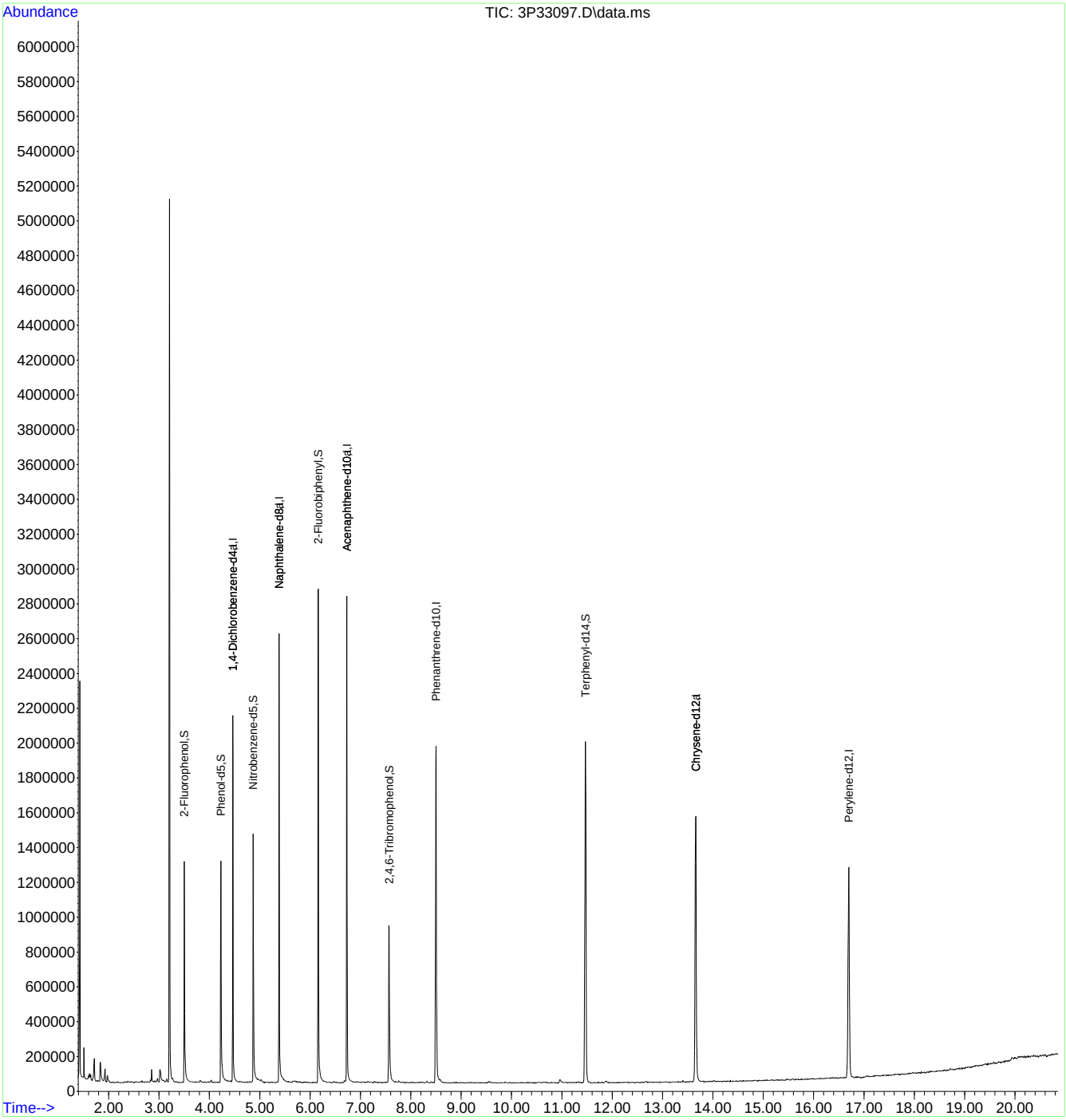
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.462	152	276765	40.00	ppb	-0.02
24) Naphthalene-d8	5.382	136	915443	40.00	ppb	-0.03
47) Acenaphthene-d10	6.730	164	591081	40.00	ppb	-0.03
69) Phenanthrene-d10	8.501	188	1013857	40.00	ppb	-0.04
83) Chrysene-d12	13.662	240	1011265	40.00	ppb	-0.05
91) Perylene-d12	16.700	264	804186	40.00	ppb	-0.05
101) 1,4-Dichlorobenzene-d4a	4.462	152	276765	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.730	164	591081	40.00	ppb	-0.03
106) Chrysene-d12a	13.662	240	1011265	40.00	ppb	-0.05
108) Naphthalene-d8a	5.382	136	915443	40.00	ppb	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.500	112	327580	35.77	ppb	-0.02
Spiked Amount 50.000			Recovery = 71.54%			
8) Phenol-d5	4.227	99	387262	36.32	ppb	-0.02
Spiked Amount 50.000			Recovery = 72.64%			
25) Nitrobenzene-d5	4.869	82	395747	52.26	ppb	-0.02
Spiked Amount 50.000			Recovery = 104.52%			
51) 2-Fluorobiphenyl	6.163	172	880808	46.83	ppb	-0.02
Spiked Amount 50.000			Recovery = 93.66%			
73) 2,4,6-Tribromophenol	7.570	330	133829	51.95	ppb	-0.04
Spiked Amount 50.000			Recovery = 103.90%			
85) Terphenyl-d14	11.469	244	1067816	53.69	ppb	-0.05
Spiked Amount 50.000			Recovery = 107.38%			
Target Compounds						Qvalue

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

Quantitation Report (LSC Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33097.D
Acq On : 24 Jun 2014 9:29 pm
Operator : ashleyd
Sample : op75897-mb1
Misc : op75897,e3p1414,35.0
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 15:47:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86645.D Vial: 7
Acq On : 24 Jun 2014 10:05 pm Operator: ashleyd
Sample : op75898-mb1 Inst : MSP
Misc : op75898,ep3691,35.0 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:10:54 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.92	152	55105	40.00	ppb	0.04
24) Naphthalene-d8	5.28	136	209858	40.00	ppb	0.04
47) Acenaphthene-d10	7.35	164	125990	40.00	ppb	0.04
69) Phenanthrene-d10	9.18	188	197005	40.00	ppb	0.05
83) Chrysene-d12	12.97	240	176327	40.00	ppb	0.04
92) Perylene-d12	15.04	264	143630	40.00	ppb	0.05
102) 1,4-Dichlorobenzene-d4b	3.92	152	55105	40.00	ppb	0.04
104) Phenanthrene-d10b	9.18	188	197005	40.00	ppb	0.05
106) Chrysene-d12b	12.97	240	176327	40.00	ppb	0.04
108) Naphthalene-d8b	5.28	136	209858	40.00	ppb	0.04
110) Acenaphthene-d10b	7.35	164	125990	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	2.80	112	78758	37.47	ppb	0.04
Spiked Amount 50.000			Recovery = 74.94%			
8) Phenol-d5	3.55	99	102845	40.20	ppb	0.03
Spiked Amount 50.000			Recovery = 80.40%			
25) Nitrobenzene-d5	4.48	82	94198	47.15	ppb	0.04
Spiked Amount 50.000			Recovery = 94.30%			
51) 2-Fluorobiphenyl	6.55	172	172337	43.61	ppb	0.05
Spiked Amount 50.000			Recovery = 87.22%			
73) 2,4,6-Tribromophenol	8.31	330	20043	44.81	ppb	0.04
Spiked Amount 50.000			Recovery = 89.62%			
85) Terphenyl-d14	11.42	244	175857	46.93	ppb	0.05
Spiked Amount 50.000			Recovery = 93.86%			

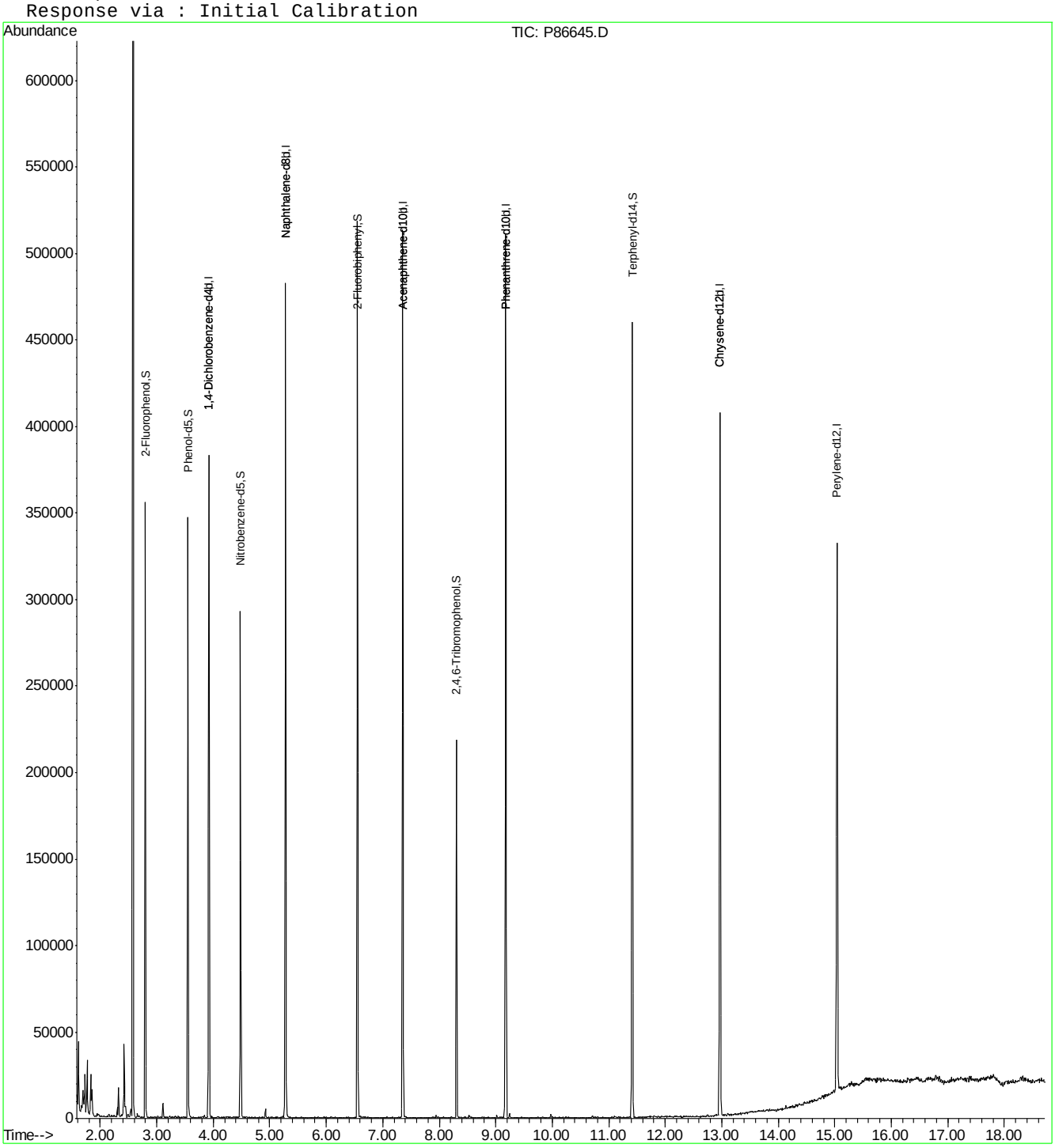
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86645.D Vial: 7
Acq On : 24 Jun 2014 10:05 pm Operator: ashleyd
Sample : op75898-mb1 Inst : MSP
Misc : op75898,ep3691,35.0 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:11 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105980.D
Acq On : 3 Jul 2014 9:43 am
Operator : saumilp
Sample : op75936-mb1
Misc : op75936,em4334,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 11:01:55 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

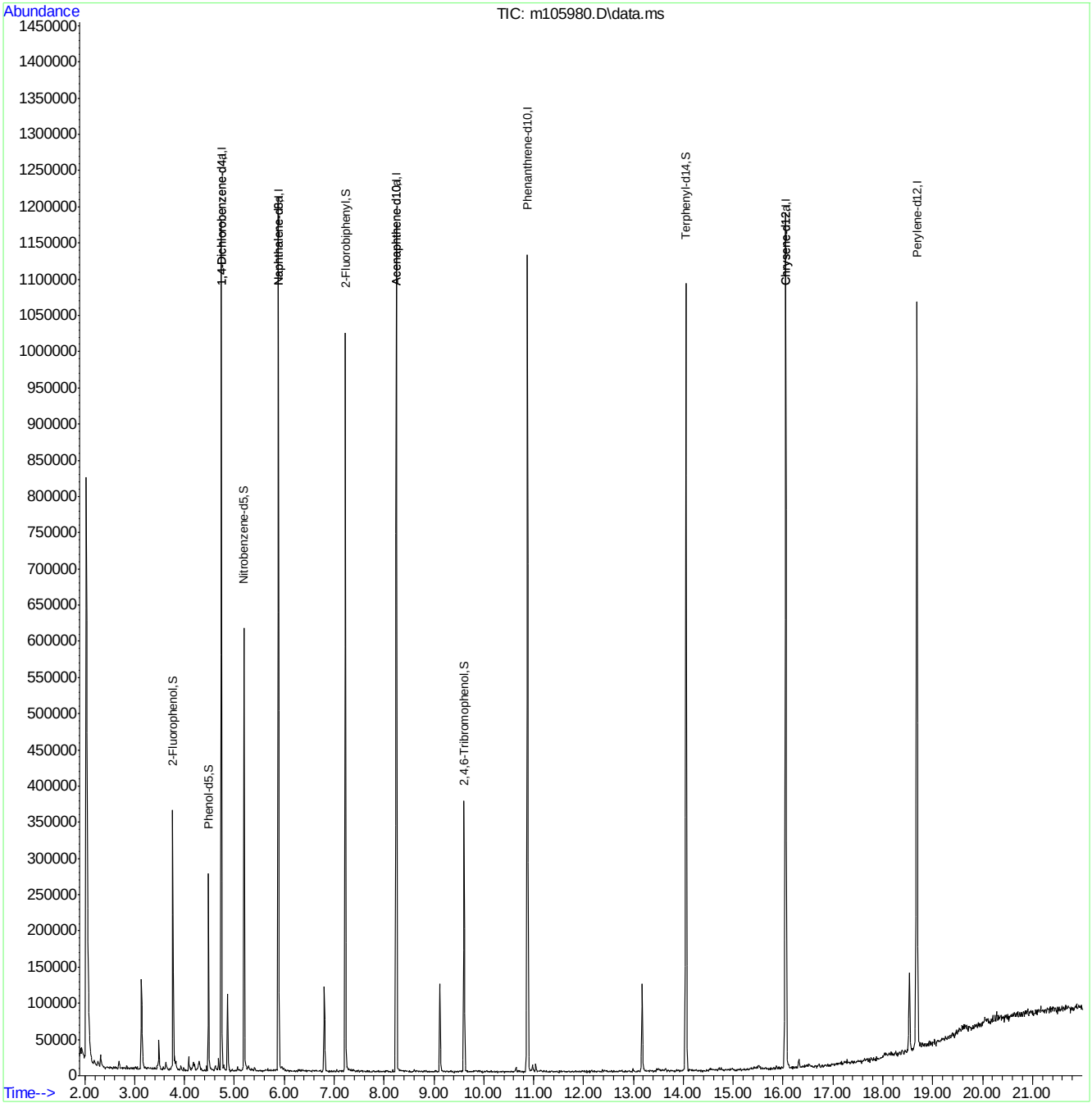
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.738	152	155453	40.00	ppb	0.00
24) Naphthalene-d8	5.881	136	585686	40.00	ppb	0.00
47) Acenaphthene-d10	8.247	164	359595	40.00	ppb	0.00
69) Phenanthrene-d10	10.876	188	633360	40.00	ppb	0.00
83) Chrysene-d12	16.052	240	640836	40.00	ppb	-0.01
92) Perylene-d12	18.686	264	554434	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.738	152	155453	40.00	ppb	0.00
104) Acenaphthene-d10a	8.247	164	359595	40.00	ppb	0.00
107) Chrysene-d12a	16.052	240	640836	40.00	ppb	-0.01
109) Naphthalene-d8a	5.881	136	585686	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.765	112	110062	19.87	ppb	0.00
Spiked Amount 50.000			Recovery =	39.74%		
8) Phenol-d5	4.481	99	95875	13.29	ppb	0.00
Spiked Amount 50.000			Recovery =	26.58%		
25) Nitrobenzene-d5	5.192	82	214233	35.29	ppb	0.00
Spiked Amount 50.000			Recovery =	70.58%		
51) 2-Fluorobiphenyl	7.227	172	414005	33.20	ppb	0.00
Spiked Amount 50.000			Recovery =	66.40%		
73) 2,4,6-Tribromophenol	9.610	330	55230	39.62	ppb	0.00
Spiked Amount 50.000			Recovery =	79.24%		
86) Terphenyl-d14	14.054	244	516539	35.97	ppb	0.00
Spiked Amount 50.000			Recovery =	71.94%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105980.D
Acq On : 3 Jul 2014 9:43 am
Operator : saumilp
Sample : op75936-mb1
Misc : op75936,em4334,1000
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 11:01:55 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33098.D
Acq On : 24 Jun 2014 9:56 pm
Operator : ashleyd
Sample : op75897-bs1
Misc : op75897,e3p1414,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 15:49:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.468	152	301862	40.00	ppb	-0.02
24) Naphthalene-d8	5.388	136	951145	40.00	ppb	-0.02
47) Acenaphthene-d10	6.730	164	606109	40.00	ppb	-0.03
69) Phenanthrene-d10	8.500	188	1071108	40.00	ppb	-0.04
83) Chrysene-d12	13.667	240	1151474	40.00	ppb	-0.05
91) Perylene-d12	16.700	264	869993	40.00	ppb	-0.05
101) 1,4-Dichlorobenzene-d4a	4.468	152	301862	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.730	164	606109	40.00	ppb	-0.03
106) Chrysene-d12a	13.667	240	1151474	40.00	ppb	-0.05
108) Naphthalene-d8a	5.388	136	951145	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.499	112	367865	36.83	ppb	-0.02
Spiked Amount 50.000			Recovery = 73.66%			
8) Phenol-d5	4.227	99	465281	40.00	ppb	-0.02
Spiked Amount 50.000			Recovery = 80.00%			
25) Nitrobenzene-d5	4.869	82	404455	51.41	ppb	-0.02
Spiked Amount 50.000			Recovery = 102.82%			
51) 2-Fluorobiphenyl	6.163	172	894175	46.36	ppb	-0.02
Spiked Amount 50.000			Recovery = 92.72%			
73) 2,4,6-Tribromophenol	7.570	330	146794	53.94	ppb	-0.04
Spiked Amount 50.000			Recovery = 107.88%			
85) Terphenyl-d14	11.469	244	1179234	52.07	ppb	-0.05
Spiked Amount 50.000			Recovery = 104.14%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.948	88	83791	18.53	ppb	96
3) Pyridine	2.301	79	240260	21.36	ppb	92
4) N-Nitrosodimethylamine	2.264	42	207128	50.80	ppb #	57
6) Indene	4.655	116	723645	41.32	ppb	97
7) Cumene	3.869	105	1019255	38.21	ppb	95
9) Phenol	4.238	94	446429	34.40	ppb	89
10) Aniline	4.227	93	472445	36.41	ppb	88
11) bis(2-Chloroethyl)ether	4.275	93	325553	39.59	ppb	97
12) 2-Chlorophenol	4.323	128	384991	35.28	ppb	97
13) Decane	4.350	43	330461	43.85	ppb	78
14) 1,3-Dichlorobenzene	4.425	146	474542	37.96	ppb	100
15) 1,4-Dichlorobenzene	4.478	146	484407	38.98	ppb	100
16) Benzyl alcohol	4.580	108	253820	42.32	ppb	98
17) 1,2-Dichlorobenzene	4.591	146	457964	39.74	ppb	98
18) Acetophenone	4.762	105	599884	44.05	ppb	92
19) 2-Methylphenol	4.671	108	314614	39.70	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.665	45	385032	47.29	ppb	80
21) 3&4-Methylphenol	4.783	108	300726	36.45	ppb	100
22) n-Nitroso-di-n-propyla...	4.767	70	258642	48.90	ppb	91
23) Hexachloroethane	4.831	201	219773	55.55	ppb	93
26) Nitrobenzene	4.885	77	405240	49.06	ppb	90
27) Quinoline	5.644	129	786266	42.64	ppb	99
28) Isophorone	5.056	82	642559	46.02	ppb	89
29) 2-Nitrophenol	5.115	139	212171	45.20	ppb	87
30) 2,4-Dimethylphenol	5.158	107	361827	54.66	ppb	90
31) Benzoic acid	5.254	105	241709	45.99	ppb	92
32) bis(2-Chloroethoxy)met...	5.211	93	404279	48.03	ppb	99
33) 2,4-Dichlorophenol	5.297	162	342574	45.41	ppb	95
34) 2,6-Dichlorophenol	5.452	162	322087	44.96	ppb	98
36) 1,2,4-Trichlorobenzene	5.345	180	449042	53.00	ppb	98
38) Naphthalene	5.398	128	1061642	43.02	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33098.D
Acq On : 24 Jun 2014 9:56 pm
Operator : ashleyd
Sample : op75897-bs1
Misc : op75897,e3p1414,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 15:49:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	4-Chloroaniline	5.446	127	315713	30.57	ppb		97
40)	2,3-Dichloroaniline	6.104	161	467664	46.14	ppb		97
41)	Caprolactam	5.708	113	116081	42.16	ppb		89
42)	Hexachlorobutadiene	5.489	225	295412	66.24	ppb		99
43)	4-Chloro-3-methylphenol	5.805	107	311549	44.33	ppb	#	86
44)	2-Methylnaphthalene	5.896	141	668474	45.05	ppb		97
45)	1-Methylnaphthalene	5.965	141	764644	46.85	ppb		99
46)	Dimethylnaphthalene	6.366	156	821325	50.19	ppb		96
48)	Hexachlorocyclopentadiene	6.008	237	488341	104.07	ppb		99
49)	2,4,6-Trichlorophenol	6.110	196	283598	50.85	ppb		99
50)	2,4,5-Trichlorophenol	6.152	196	301943	48.54	ppb		99
52)	2-Chloronaphthalene	6.259	162	744244	41.39	ppb		99
53)	Biphenyl	6.238	154	1083166	42.42	ppb		99
54)	2-Nitroaniline	6.345	65	224042	52.25	ppb		82
55)	Dimethylphthalate	6.484	163	886978	45.73	ppb		100
56)	Acenaphthylene	6.602	152	1024492	35.40	ppb		100
57)	2,6-Dinitrotoluene	6.543	165	201848	50.84	ppb		95
58)	3-Nitroaniline	6.698	138	167822	32.40	ppb		100
59)	Acenaphthene	6.762	153	779265	44.38	ppb		95
60)	2,4-Dinitrophenol	6.810	184	226275	109.98	ppb	#	77
61)	4-Nitrophenol	6.890	109	119913	53.46	ppb	#	85
62)	Dibenzofuran	6.928	168	1108880	44.73	ppb		96
63)	2,4-Dinitrotoluene	6.928	165	278708	51.96	ppb		69
64)	2,3,4,6-Tetrachlorophenol	7.067	232	247712	55.52	ppb		90
65)	Diethylphthalate	7.163	149	877754	44.75	ppb		98
66)	Fluorene	7.286	166	940858	46.96	ppb		100
67)	4-Chlorophenyl-phenyle...	7.281	204	514471	57.85	ppb		88
68)	4-Nitroaniline	7.324	138	196192	37.27	ppb		77
70)	4,6-Dinitro-2-methylph...	7.367	198	147969	49.10	ppb		89
71)	n-Nitrosodiphenylamine	7.420	169	632282	44.48	ppb		96
72)	1,2-Diphenylhydrazine	7.468	77	821261	43.73	ppb		98
74)	4-Bromophenyl-phenylether	7.875	248	309710	55.53	ppb		91
75)	Hexachlorobenzene	7.971	284	329717	52.03	ppb		95
76)	Pentachlorophenol	8.254	266	173109	44.73	ppb		98
77)	Phenanthrene	8.538	178	1293154	42.49	ppb		100
78)	Anthracene	8.613	178	1318178	44.44	ppb		99
79)	Carbazole	8.891	167	1220533	37.01	ppb		98
80)	Di-n-butylphthalate	9.559	149	1565566	42.81	ppb		98
81)	Fluoranthene	10.613	202	1672081	50.02	ppb		96
82)	Octadecane	8.409	57	489220	41.60	ppb		89
84)	Pyrene	11.046	202	1647061	43.15	ppb		99
86)	Butylbenzylphthalate	12.630	149	691629	38.74	ppb		97
87)	Benzo[a]anthracene	13.646	228	1581311	49.11	ppb		99
88)	3,3'-Dichlorobenzidine	13.694	252	1083883	93.72	ppb		97
89)	Chrysene	13.726	228	1417476	49.83	ppb		99
90)	bis(2-Ethylhexyl)phtha...	14.036	149	867840	37.99	ppb		99
92)	Di-n-octylphthalate	15.470	149	1526464	44.53	ppb		96
93)	Benzo[b]fluoranthene	15.956	252	1470427	54.69	ppb		93
94)	Benzo[k]fluoranthene	16.015	252	1256963	48.62	ppb		94
95)	Benzo[a]pyrene	16.588	252	1210228	51.34	ppb		94
96)	Indeno[1,2,3-cd]pyrene	18.652	276	977123	42.33	ppb		83
98)	Dibenz[a,h]anthracene	18.706	278	1012800	43.87	ppb		91
99)	7,12-Dimethylbenz(a)an...	15.967	256	742929	83.22	ppb		98
100)	Benzo[g,h,i]perylene	19.080	276	993270	42.06	ppb		85
102)	Benzaldehyde	4.141	105	340717	53.34	ppb		90
104)	Atrazine	8.131	215	165809	71.29	ppb		93
105)	1,2,4,5-Tetrachloroben...	6.019	216	496870	56.91	ppb		97
107)	Benzidine	10.955	184	968542	65.90	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33098.D
Acq On : 24 Jun 2014 9:56 pm
Operator : ashleyd
Sample : op75897-bs1
Misc : op75897,e3p1414,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 15:49:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

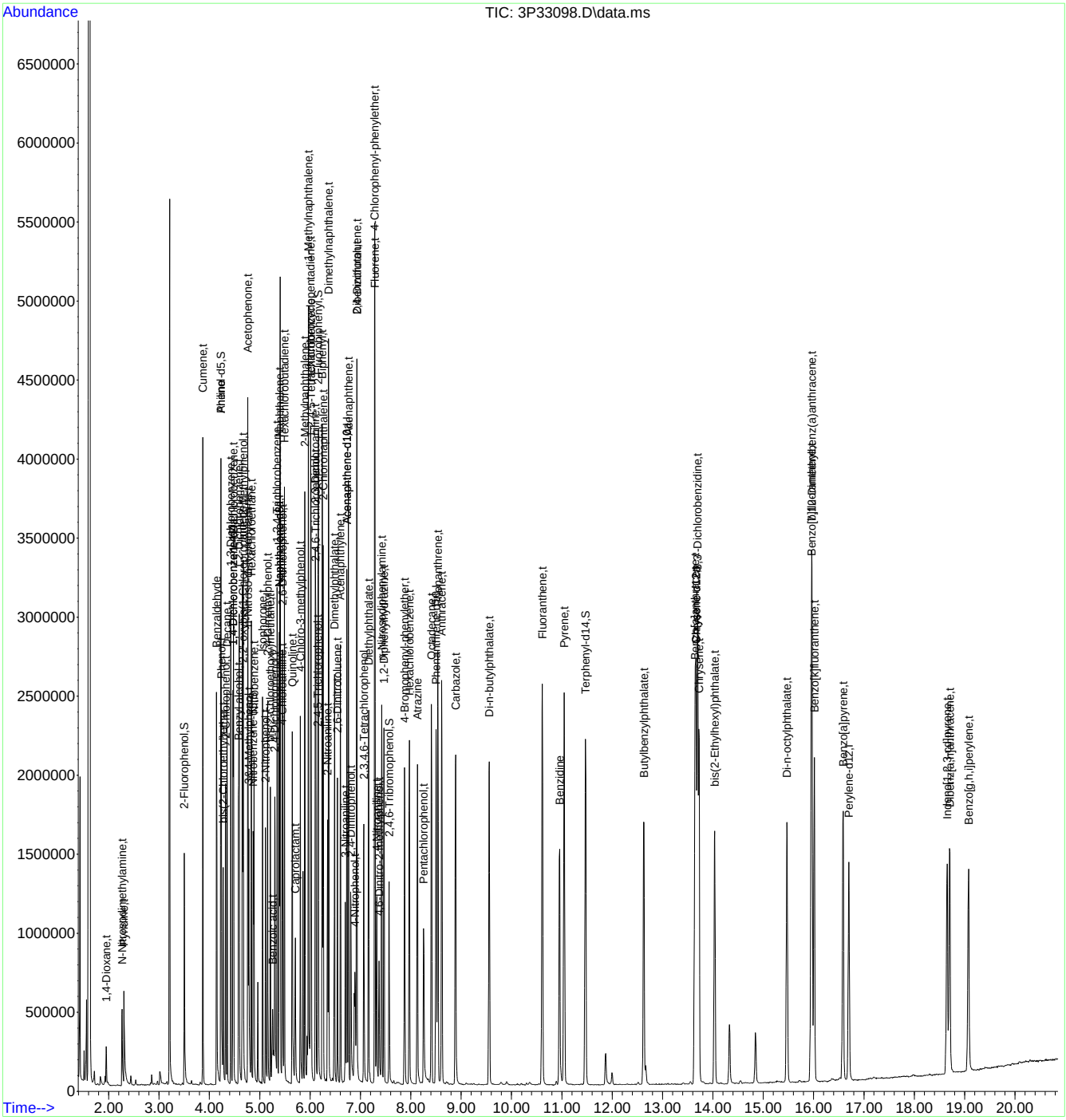
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33098.D
Acq On : 24 Jun 2014 9:56 pm
Operator : ashleyd
Sample : op75897-bs1
Misc : op75897,e3p1414,35.0
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 15:49:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86646.D Vial: 8
Acq On : 24 Jun 2014 10:31 pm Operator: ashleyd
Sample : op75898-bs1 Inst : MSP
Misc : op75898,ep3691,35.0 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 07 11:01:50 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Jul 02 14:54:45 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.92	152	51750	40.00	ppb	0.04
24) Naphthalene-d8	5.28	136	196890	40.00	ppb	0.04
47) Acenaphthene-d10	7.35	164	120123	40.00	ppb	0.04
69) Phenanthrene-d10	9.18	188	185614	40.00	ppb	0.05
83) Chrysene-d12	12.98	240	167727	40.00	ppb	0.05
92) Perylene-d12	15.05	264	144943	40.00	ppb	0.05
102) 1,4-Dichlorobenzene-d4b	3.92	152	51750	40.00	ppb	0.04
104) Phenanthrene-d10b	9.18	188	185614	40.00	ppb	0.18
106) Chrysene-d12b	12.98	240	167727	40.00	ppb	0.05
108) Naphthalene-d8b	5.28	136	196890	40.00	ppb	0.04
110) Acenaphthene-d10b	7.35	164	120123	40.00	ppb	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	2.80	112	73048	37.01	ppb	0.04
Spiked Amount 50.000			Recovery = 74.02%			
8) Phenol-d5	3.56	99	91282	38.00	ppb	0.04
Spiked Amount 50.000			Recovery = 76.00%			
25) Nitrobenzene-d5	4.49	82	83615	44.61	ppb	0.04
Spiked Amount 50.000			Recovery = 89.22%			
51) 2-Fluorobiphenyl	6.55	172	151005	40.08	ppb	0.05
Spiked Amount 50.000			Recovery = 80.16%			
73) 2,4,6-Tribromophenol	8.31	330	18682	44.33	ppb	0.04
Spiked Amount 50.000			Recovery = 88.66%			
85) Terphenyl-d14	11.42	244	157898	44.30	ppb	0.05
Spiked Amount 50.000			Recovery = 88.60%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.85	88	20250	22.80	ppb	# 84
3) Pyridine	2.02	79	66522	29.71	ppb	96
4) N-Nitrosodimethylamine	1.99	42	35863	47.54	ppb	# 67
6) Indene	4.18	116	138823	46.29	ppb	96
7) Cumene	3.21	105	198021	43.52	ppb	96
9) Phenol	3.57	94	87344	35.46	ppb	80
10) Aniline	3.60	93	66527	21.63	ppb	57
11) bis(2-Chloroethyl)ether	3.65	93	75084	40.93	ppb	93
12) 2-Chlorophenol	3.72	128	73569	39.35	ppb	93
13) Decane	3.76	43	69371	39.30	ppb	96
14) 1,3-Dichlorobenzene	3.87	146	80029	37.92	ppb	98
15) 1,4-Dichlorobenzene	3.94	146	80021	38.93	ppb	99
16) Benzyl alcohol	4.05	108	52472	41.79	ppb	# 71
17) 1,2-Dichlorobenzene	4.10	146	77616	40.02	ppb	100
18) Acetophenone	4.33	105	117777	48.80	ppb	84
19) 2-Methylphenol	4.17	108	65591	36.84	ppb	98
20) 2,2'-oxybis(1-Chloropropan	4.19	121	22634	40.86	ppb	90
21) 3&4-Methylphenol	4.32	108	65617	36.84	ppb	96
22) n-Nitroso-di-n-propylamine	4.33	70	52111	45.42	ppb	97
23) Hexachloroethane	4.44	201	30451	41.17	ppb	88
26) Nitrobenzene	4.51	77	86332	44.49	ppb	91
27) Quinoline	5.69	129	166930	43.85	ppb	96
28) Isophorone	4.76	82	143974	40.59	ppb	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86646.D Vial: 8
Acq On : 24 Jun 2014 10:31 pm Operator: ashleyd
Sample : op75898-bs1 Inst : MSP
Misc : op75898,ep3691,35.0 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 07 11:01:50 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Jul 02 14:54:45 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2-Nitrophenol	4.85	139	40793	40.33	ppb		74
30)	2,4-Dimethylphenol	4.90	107	72916	42.68	ppb		94
31)	Benzoic acid	5.03	105	55509	42.02	ppb		88
32)	bis(2-Chloroethoxy)methane	5.00	93	91023	42.95	ppb		98
33)	2,4-Dichlorophenol	5.12	162	62066	40.13	ppb		97
34)	2,6-Dichlorophenol	5.38	162	58687	40.19	ppb		98
36)	1,2,4-Trichlorobenzene	5.22	180	69330	39.43	ppb		98
38)	Naphthalene	5.30	128	203631	38.59	ppb		99
39)	4-Chloroaniline	5.37	127	39491	17.57	ppb		95
40)	2,3-Dichloroaniline	6.45	161	74160	39.53	ppb		96
41)	Caprolactam	5.77	55	36747	45.57	ppb		97
42)	Hexachlorobutadiene	5.46	225	41793	46.69	ppb		99
43)	4-Chloro-3-methylphenol	5.95	107	64304	41.79	ppb		98
44)	2-Methylnaphthalene	6.11	141	125375	41.09	ppb		95
45)	1-Methylnaphthalene	6.23	142	161943	45.22	ppb		96
46)	Dimethylnaphthalene	6.86	156	144653	44.94	ppb		93
48)	Hexachlorocyclopentadiene	6.31	237	96046	107.67	ppb		98
49)	2,4,6-Trichlorophenol	6.46	196	43926	42.78	ppb		97
50)	2,4,5-Trichlorophenol	6.50	196	47190	40.81	ppb		97
52)	2-Chloronaphthalene	6.69	162	133356	39.88	ppb		97
53)	Biphenyl	6.67	154	193516	42.64	ppb		98
54)	2-Nitroaniline	6.82	65	45413	48.94	ppb		88
55)	Dimethylphthalate	7.04	163	156499	42.03	ppb		100
56)	Acenaphthylene	7.18	152	181694	34.01	ppb		99
57)	2,6-Dinitrotoluene	7.11	165	35776	43.31	ppb		85
58)	3-Nitroaniline	7.31	138	23379	22.59	ppb		92
59)	Acenaphthene	7.39	153	134756	40.28	ppb		97
60)	2,4-Dinitrophenol	7.44	184	39228	82.53	ppb	#	64
61)	4-Nitrophenol	7.54	109	24064	55.98	ppb	#	73
62)	Dibenzofuran	7.61	168	186541	40.40	ppb		96
63)	2,4-Dinitrotoluene	7.59	165	46046	43.25	ppb		75
64)	2,3,4,6-Tetrachlorophenol	7.76	232	36274	40.75	ppb		93
65)	Diethylphthalate	7.90	149	154307	44.34	ppb		97
66)	Fluorene	8.02	166	157574	42.75	ppb		98
67)	4-Chlorophenyl-phenylether	8.03	204	74266	42.11	ppb		93
68)	4-Nitroaniline	8.05	138	40171	39.14	ppb		74
70)	4,6-Dinitro-2-methylphenol	8.09	198	25592	40.02	ppb		87
71)	n-Nitrosodiphenylamine	8.17	169	108768	43.92	ppb		98
72)	1,2-Diphenylhydrazine	8.22	77	163646	45.64	ppb		95
74)	4-Bromophenyl-phenylether	8.62	248	42825	42.93	ppb		92
75)	Hexachlorobenzene	8.70	284	41418	40.86	ppb		92
76)	Pentachlorophenol	8.95	266	27275	46.83	ppb		94
77)	Phenanthrene	9.21	178	202942	38.77	ppb		99
78)	Anthracene	9.27	178	212058	40.08	ppb		100
79)	Carbazole	9.49	167	209906	41.45	ppb		98
80)	Di-n-butylphthalate	10.00	149	255724	45.27	ppb		99
81)	Fluoranthene	10.83	202	238058	40.63	ppb		98
82)	Octadecane	9.10	57	104104	46.37	ppb		95
84)	Pyrene	11.15	202	239451	41.77	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86646.D Vial: 8
Acq On : 24 Jun 2014 10:31 pm Operator: ashleyd
Sample : op75898-bs1 Inst : MSP
Misc : op75898,ep3691,35.0 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 07 11:01:50 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Jul 02 14:54:45 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

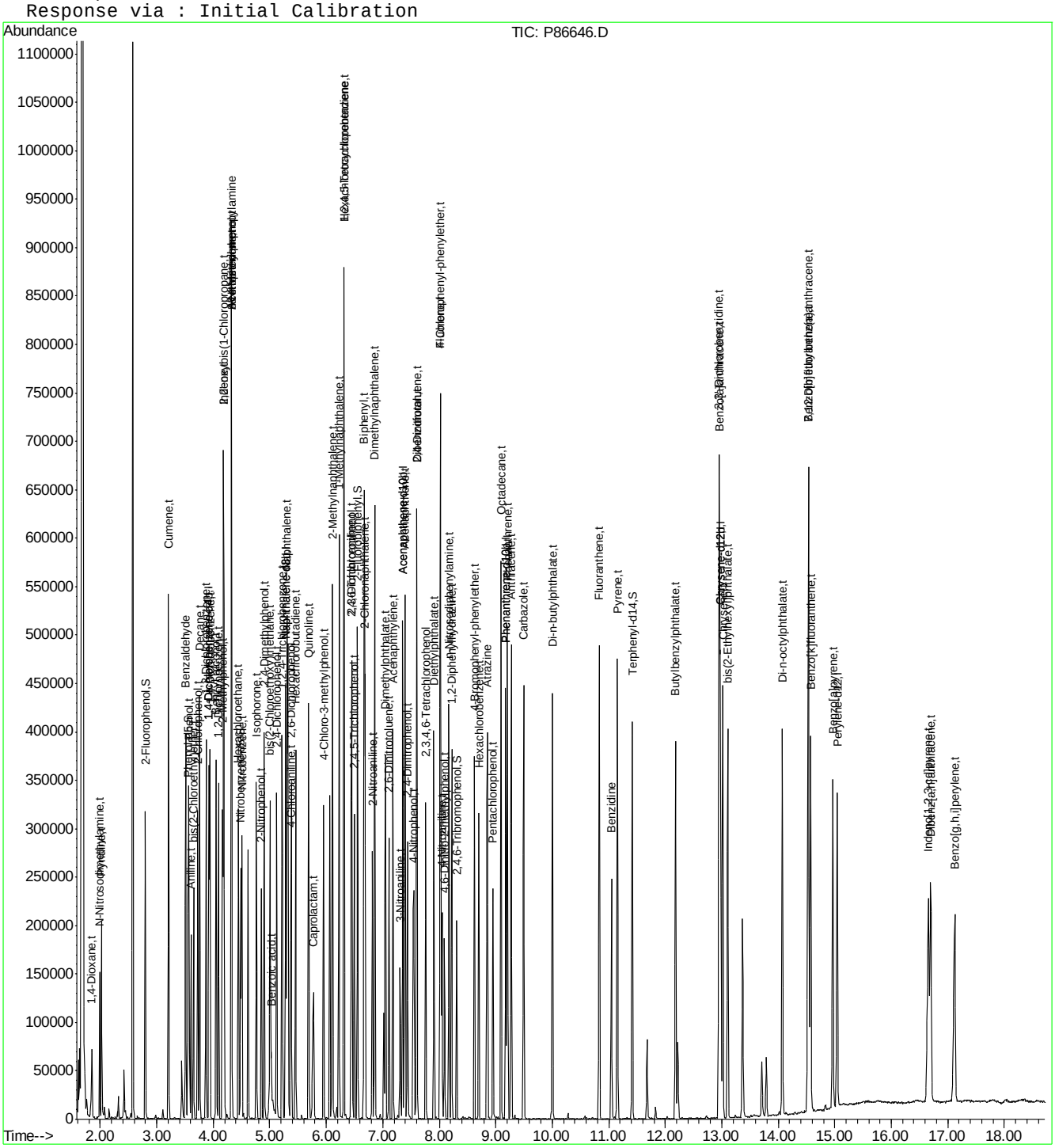
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
86)	Butylbenzylphthalate	12.18	149	110406	46.89	ppb		92
88)	Benzo[a]anthracene	12.96	228	200467	41.45	ppb		100
89)	3,3'-Dichlorobenzidine	12.95	252	101950	57.41	ppb		99
90)	Chrysene	13.02	228	194396	42.72	ppb		98
91)	bis(2-Ethylhexyl)phthalate	13.10	149	145249	47.80	ppb		95
93)	Di-n-octylphthalate	14.07	149	244697	50.23	ppb		99
94)	Benzo[b]fluoranthene	14.53	252	188252	43.67	ppb		98
95)	Benzo[k]fluoranthene	14.57	252	179376	41.72	ppb		99
96)	Benzo[a]pyrene	14.97	252	169224	42.55	ppb		97
97)	Indeno[1,2,3-cd]pyrene	16.66	276	187442	41.39	ppb		88
99)	Dibenz[a,h]anthracene	16.70	278	154003	41.62	ppb		97
100)	7,12-Dimethylbenz(a)anthra	14.53	256	101673	51.40	ppb		99
101)	Benzo[g,h,i]perylene	17.13	276	157153	41.29	ppb		92
103)	Benzaldehyde	3.51	105	68577	41.07	ppb		93
105)	Atrazine	8.85	200	50981	46.70	ppb	#	87
107)	Benzidine	11.05	184	108717	28.93	ppb		98
111)	1,2,4,5-Tetrachlorobenzene	6.32	216	65197	31.10	ppb		99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86646.D Vial: 8
Acq On : 24 Jun 2014 10:31 pm Operator: ashleyd
Sample : op75898-bs1 Inst : MSP
Misc : op75898,ep3691,35.0 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 7 11:01 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Jul 02 14:54:45 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105981.D
Acq On : 3 Jul 2014 10:12 am
Operator : saumilp
Sample : op75936-bs1
Misc : op75936,em4334,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 11:03:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.743	152	142532	40.00	ppb		0.00
24) Naphthalene-d8	5.886	136	522137	40.00	ppb		0.00
47) Acenaphthene-d10	8.247	164	329864	40.00	ppb		0.00
69) Phenanthrene-d10	10.881	188	564020	40.00	ppb		0.00
83) Chrysene-d12	16.063	240	553252	40.00	ppb		0.00
92) Perylene-d12	18.686	264	474190	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.743	152	142532	40.00	ppb		0.00
104) Acenaphthene-d10a	8.247	164	329864	40.00	ppb		0.00
107) Chrysene-d12a	16.063	240	553252	40.00	ppb		0.00
109) Naphthalene-d8a	5.886	136	522137	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.770	112	147051	28.95	ppb		0.00
Spiked Amount 50.000			Recovery = 57.90%				
8) Phenol-d5	4.481	99	138755	20.97	ppb		0.00
Spiked Amount 50.000			Recovery = 41.94%				
25) Nitrobenzene-d5	5.197	82	243023	44.90	ppb		0.00
Spiked Amount 50.000			Recovery = 89.80%				
51) 2-Fluorobiphenyl	7.227	172	469907	41.08	ppb		0.00
Spiked Amount 50.000			Recovery = 82.16%				
73) 2,4,6-Tribromophenol	9.615	330	62739	50.54	ppb		0.00
Spiked Amount 50.000			Recovery = 101.08%				
86) Terphenyl-d14	14.054	244	543963	43.87	ppb		0.00
Spiked Amount 50.000			Recovery = 87.74%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.291	88	52867	20.58	ppb		92
3) Pyridine	2.616	79	136332	21.39	ppb		94
4) N-Nitrosodimethylamine	2.584	42	55959	24.28	ppb		93
6) Indene	4.946	116	395850	42.11	ppb		97
7) Cumene	4.139	105	486902	36.17	ppb		100
9) Phenol	4.492	94	155897	20.83	ppb	#	28
10) Aniline	4.492	93	246455	28.34	ppb		63
11) bis(2-Chloroethyl)ether	4.534	93	215613	41.66	ppb		97
12) 2-Chlorophenol	4.588	128	203831	36.45	ppb		99
13) Decane	4.614	43	135102	32.41	ppb		90
14) 1,3-Dichlorobenzene	4.695	146	183985	31.54	ppb		100
15) 1,4-Dichlorobenzene	4.753	146	188491	31.09	ppb		98
16) Benzyl alcohol	4.855	108	148790	39.14	ppb		94
17) 1,2-Dichlorobenzene	4.876	146	184331	32.80	ppb		99
18) Acetophenone	5.063	105	356208	45.14	ppb		95
19) 2-Methylphenol	4.951	108	182980	36.60	ppb		95
20) 2,2'-oxybis(1-Chloropr...	4.956	121	66573	40.47	ppb		98
21) 3&4-Methylphenol	5.079	108	186707	35.11	ppb	#	84
22) n-Nitroso-di-n-propyla...	5.063	70	160412	41.85	ppb		95
23) Hexachloroethane	5.154	201	68533	33.18	ppb		96
26) Nitrobenzene	5.213	77	248054	40.66	ppb		99
27) Quinoline	6.281	129	511257	46.34	ppb		97
28) Isophorone	5.426	82	431812	41.00	ppb		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105981.D
Acq On : 3 Jul 2014 10:12 am
Operator : saumilp
Sample : op75936-bs1
Misc : op75936,em4334,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 11:03:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.501	139	113877	41.33	ppb	94
30) 2,4-Dimethylphenol	5.549	107	226768	41.45	ppb	99
31) Benzoic acid	5.656	105	75976	21.05	ppb	88
32) bis(2-Chloroethoxy)met...	5.624	93	265773	44.32	ppb	98
33) 2,4-Dichlorophenol	5.747	162	180954	43.98	ppb	96
34) 2,6-Dichlorophenol	5.982	162	173998	41.85	ppb	97
36) 1,2,4-Trichlorobenzene	5.827	180	173324	35.65	ppb	98
38) Naphthalene	5.907	128	579595	36.10	ppb	99
39) 4-Chloroaniline	5.966	127	211725	30.14	ppb	98
40) 2,3-Dichloroaniline	7.104	161	237753	44.53	ppb	99
41) Caprolactam	6.367	55	32411	15.13	ppb	94
42) Hexachlorobutadiene	6.041	225	91107	32.64	ppb	99
43) 4-Chloro-3-methylphenol	6.554	107	202505	42.46	ppb	96
44) 2-Methylnaphthalene	6.725	141	364888	41.22	ppb	98
45) 1-Methylnaphthalene	6.853	142	452708	44.49	ppb	99
46) Dimethylnaphthalene	7.606	156	425619	46.37	ppb	98
48) Hexachlorocyclopentadiene	6.938	237	211130	75.25	ppb	97
49) 2,4,6-Trichlorophenol	7.120	196	134535	42.06	ppb	97
50) 2,4,5-Trichlorophenol	7.173	196	146153	42.16	ppb	95
52) 2-Chloronaphthalene	7.392	162	384257	35.79	ppb	99
53) Biphenyl	7.371	154	581337	43.05	ppb	99
54) 2-Nitroaniline	7.558	65	134966	45.98	ppb	95
55) Dimethylphthalate	7.852	163	481683	42.37	ppb	100
56) Acenaphthylene	8.017	152	550645	33.55	ppb	98
57) 2,6-Dinitrotoluene	7.937	165	111355	45.37	ppb	98
58) 3-Nitroaniline	8.204	138	99262	34.41	ppb	94
59) Acenaphthene	8.301	153	411542	40.42	ppb	96
60) 2,4-Dinitrophenol	8.391	184	130506	88.10	ppb	86
61) 4-Nitrophenol	8.557	109	41743	27.08	ppb	92
62) Dibenzofuran	8.589	168	607546	40.62	ppb	98
63) 2,4-Dinitrotoluene	8.605	165	149000	44.38	ppb	81
64) 2,3,4,6-Tetrachlorophenol	8.824	232	109683	41.38	ppb	98
65) Diethylphthalate	9.048	149	464955	42.03	ppb	100
66) Fluorene	9.177	166	483714	41.63	ppb	96
67) 4-Chlorophenyl-phenyle...	9.203	204	237533	42.13	ppb	98
68) 4-Nitroaniline	9.251	138	128521	43.09	ppb	99
70) 4,6-Dinitro-2-methylph...	9.326	198	87312	42.92	ppb	96
71) n-Nitrosodiphenylamine	9.428	169	336690	43.50	ppb	96
72) 1,2-Diphenylhydrazine	9.486	77	507926	40.57	ppb	98
74) 4-Bromophenyl-phenylether	10.085	248	121836	41.63	ppb	96
75) Hexachlorobenzene	10.186	284	121846	38.09	ppb	91
76) Pentachlorophenol	10.571	266	73567	37.82	ppb	99
77) Phenanthrene	10.924	178	693287	40.48	ppb	99
78) Anthracene	11.020	178	721519	42.34	ppb	100
79) Carbazole	11.367	167	691304	42.74	ppb	99
80) Di-n-butylphthalate	12.163	149	817867	45.77	ppb	99
81) Fluoranthene	13.215	202	780810	43.16	ppb	99
82) Octadecane	10.859	57	290077	50.98	ppb	96
84) Pyrene	13.648	202	811696	42.53	ppb	99
87) Butylbenzylphthalate	15.106	149	371366	48.20	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105981.D
Acq On : 3 Jul 2014 10:12 am
Operator : saumilp
Sample : op75936-bs1
Misc : op75936,em4334,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 11:03:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

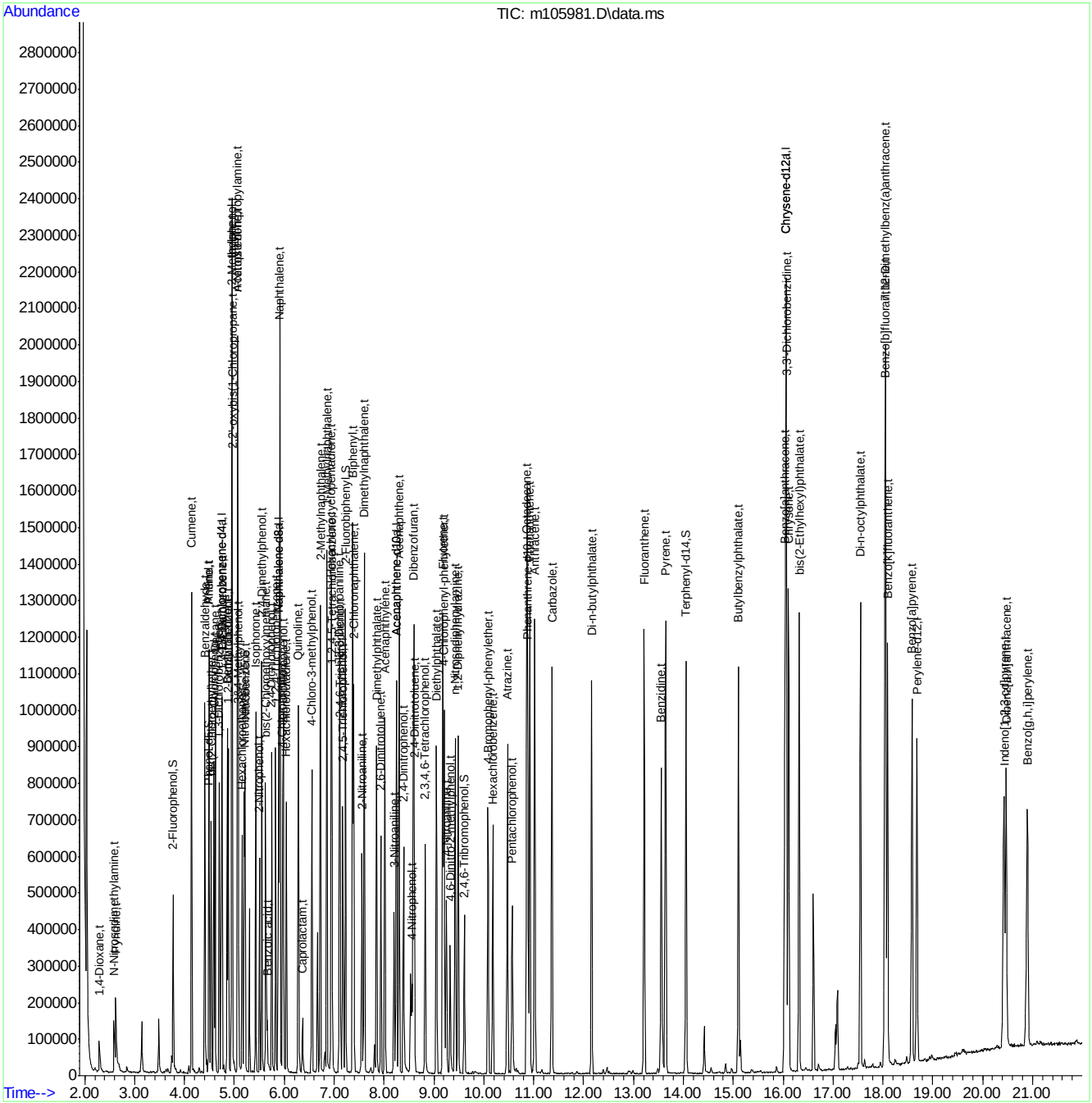
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	16.041	228	713266	41.53	ppb	99
89) 3,3'-Dichlorobenzidine	16.068	252	338049	59.10	ppb	99
90) Chrysene	16.111	228	703050	43.12	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.324	149	544727	52.88	ppb	97
93) Di-n-octylphthalate	17.553	149	935291	48.55	ppb	99
94) Benzo[b]fluoranthene	18.045	252	672401	39.98	ppb	96
95) Benzo[k]fluoranthene	18.098	252	625494	37.66	ppb	99
96) Benzo[a]pyrene	18.584	252	589767	40.04	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.433	276	522412	39.67	ppb	93
99) Dibenz[a,h]anthracene	20.475	278	540867	39.20	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.050	256	370984	48.53	ppb	98
101) Benzo[g,h,i]perylene	20.897	276	529146	39.76	ppb	97
103) Benzaldehyde	4.406	105	200166	51.23	ppb	93
105) 1,2,4,5-Tetrachloroben...	6.954	216	182710	36.50	ppb	98
106) Atrazine	10.475	215	88370	54.97	ppb	93
108) Benzidine	13.557	184	513361	61.43	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105981.D
Acq On : 3 Jul 2014 10:12 am
Operator : saumilp
Sample : op75936-bs1
Misc : op75936,em4334,1000
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 11:03:12 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
07/01/14 10:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33111.D
Acq On : 25 Jun 2014 4:13 am
Operator : ashleyd
Sample : op75897-ms
Misc : op75897,e3p1414,34.4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 26 12:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.468	152	284008	40.00	ppb	-0.02
24) Naphthalene-d8	5.388	136	869877	40.00	ppb	-0.02
47) Acenaphthene-d10	6.735	164	520784	40.00	ppb	-0.03
69) Phenanthrene-d10	8.511	188	872837	40.00	ppb	-0.03
83) Chrysene-d12	13.683	240	819619	40.00	ppb	-0.03
91) Perylene-d12	16.727	264	649373	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.468	152	284008	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.735	164	520784	40.00	ppb	-0.03
106) Chrysene-d12a	13.683	240	819619	40.00	ppb	-0.03
108) Naphthalene-d8a	5.388	136	869877	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.510	112	280457	29.85	ppb	0.00
Spiked Amount 50.000			Recovery =	59.70%		
8) Phenol-d5	4.238	99	348978	31.89	ppb	0.00
Spiked Amount 50.000			Recovery =	63.78%		
25) Nitrobenzene-d5	4.874	82	323301	44.93	ppb	-0.02
Spiked Amount 50.000			Recovery =	89.86%		
51) 2-Fluorobiphenyl	6.163	172	696332	42.02	ppb	-0.02
Spiked Amount 50.000			Recovery =	84.04%		
73) 2,4,6-Tribromophenol	7.575	330	105313	47.48	ppb	-0.03
Spiked Amount 50.000			Recovery =	94.96%		
85) Terphenyl-d14	11.480	244	755887	46.89	ppb	-0.04
Spiked Amount 50.000			Recovery =	93.78%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.954	88	68914	16.20	ppb	96
3) Pyridine	2.307	79	209595	19.81	ppb	92
4) N-Nitrosodimethylamine	2.264	42	167664	43.70	ppb #	47
6) Indene	4.655	116	582771	35.37	ppb	98
7) Cumene	3.874	105	809331	32.25	ppb	96
9) Phenol	4.248	94	366747	30.04	ppb	90
10) Aniline	4.232	93	308921	25.31	ppb	96
11) bis(2-Chloroethyl)ether	4.275	93	257438	33.27	ppb	92
12) 2-Chlorophenol	4.329	128	307818	29.98	ppb	95
13) Decane	4.355	43	274147	38.66	ppb	83
14) 1,3-Dichlorobenzene	4.425	146	387872	32.98	ppb	98
15) 1,4-Dichlorobenzene	4.478	146	385125	32.94	ppb	99
16) Benzyl alcohol	4.580	108	197767	35.05	ppb	81
17) 1,2-Dichlorobenzene	4.591	146	372988	34.40	ppb	99
18) Acetophenone	4.762	105	476830	37.21	ppb	97
19) 2-Methylphenol	4.676	108	247981	33.26	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.671	45	302294	39.46	ppb	89
21) 3&4-Methylphenol	4.789	108	249404	32.13	ppb	99
22) n-Nitroso-di-n-propyla...	4.767	70	207446	41.68	ppb	86
23) Hexachloroethane	4.831	201	167404	44.97	ppb	100
26) Nitrobenzene	4.890	77	328537	43.49	ppb	94
27) Quinoline	5.644	129	628394	37.26	ppb	96
28) Isophorone	5.061	82	523918	41.03	ppb	93
29) 2-Nitrophenol	5.120	139	163043	37.98	ppb	88
30) 2,4-Dimethylphenol	5.163	107	295202	48.76	ppb	92
31) Benzoic acid	5.265	105	189506m	39.43	ppb	
32) bis(2-Chloroethoxy)met...	5.211	93	319467	41.50	ppb	99
33) 2,4-Dichlorophenol	5.307	162	276755	40.11	ppb	98
34) 2,6-Dichlorophenol	5.457	162	260578	39.78	ppb	99
36) 1,2,4-Trichlorobenzene	5.350	180	352385	45.48	ppb	96
38) Naphthalene	5.404	128	859524	38.08	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33111.D
Acq On : 25 Jun 2014 4:13 am
Operator : ashleyd
Sample : op75897-ms
Misc : op75897,e3p1414,34.4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 26 12:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	4-Chloroaniline	5.446	127	241487	25.56	ppb		92
40)	2,3-Dichloroaniline	6.110	161	373294	40.27	ppb		96
41)	Caprolactam	5.708	113	89482	35.53	ppb		86
42)	Hexachlorobutadiene	5.489	225	241046	59.10	ppb		99
43)	4-Chloro-3-methylphenol	5.815	107	247295	38.47	ppb	#	86
44)	2-Methylnaphthalene	5.896	141	519512	38.28	ppb		97
45)	1-Methylnaphthalene	5.971	141	596248	39.95	ppb		99
46)	Dimethylnaphthalene	6.372	156	633723	42.34	ppb		97
48)	Hexachlorocyclopentadiene	6.013	237	177306	43.98	ppb		96
49)	2,4,6-Trichlorophenol	6.115	196	229632	47.92	ppb		100
50)	2,4,5-Trichlorophenol	6.158	196	245041	45.85	ppb		99
52)	2-Chloronaphthalene	6.265	162	579334	37.50	ppb		99
53)	Biphenyl	6.243	154	845664	38.54	ppb		99
54)	2-Nitroaniline	6.350	65	177144	48.08	ppb		84
55)	Dimethylphthalate	6.489	163	692808	41.57	ppb		100
56)	Acenaphthylene	6.607	152	767655	30.87	ppb		99
57)	2,6-Dinitrotoluene	6.548	165	149472	43.82	ppb		96
58)	3-Nitroaniline	6.703	138	128165	28.80	ppb		96
59)	Acenaphthene	6.762	153	579953	38.44	ppb		95
60)	2,4-Dinitrophenol	6.821	184	60723	46.35	ppb	#	91
61)	4-Nitrophenol	6.907	109	94310	48.93	ppb	#	83
62)	Dibenzofuran	6.933	168	846538	39.74	ppb		97
63)	2,4-Dinitrotoluene	6.933	165	204339	44.34	ppb		57
64)	2,3,4,6-Tetrachlorophenol	7.072	232	187854	49.00	ppb		90
65)	Diethylphthalate	7.163	149	679998	40.35	ppb		98
66)	Fluorene	7.292	166	701369	40.74	ppb		98
67)	4-Chlorophenyl-phenyle...	7.286	204	389718	51.00	ppb		87
68)	4-Nitroaniline	7.329	138	127596	28.21	ppb	#	71
70)	4,6-Dinitro-2-methylph...	7.377	198	46673	22.40	ppb		87
71)	n-Nitrosodiphenylamine	7.425	169	465877	40.22	ppb		98
72)	1,2-Diphenylhydrazine	7.474	77	605822	39.59	ppb		97
74)	4-Bromophenyl-phenylether	7.880	248	223874	49.26	ppb		91
75)	Hexachlorobenzene	7.982	284	235617	45.63	ppb		92
76)	Pentachlorophenol	8.265	266	121312	38.46	ppb		98
77)	Phenanthrene	8.543	178	902105	36.37	ppb		98
78)	Anthracene	8.623	178	920954	38.11	ppb		99
79)	Carbazole	8.902	167	841855	31.33	ppb		99
80)	Di-n-butylphthalate	9.565	149	1070566	35.92	ppb		98
81)	Fluoranthene	10.624	202	1091831	40.08	ppb		95
82)	Octadecane	8.415	57	340149	35.50	ppb		88
84)	Pyrene	11.057	202	1094548	40.29	ppb		99
86)	Butylbenzylphthalate	12.635	149	427486	33.64	ppb		94
87)	Benzo[a]anthracene	13.662	228	960571	41.91	ppb		99
88)	3,3'-Dichlorobenzidine	13.710	252	754449	91.65	ppb		97
89)	Chrysene	13.737	228	873939	43.16	ppb		99
90)	bis(2-Ethylhexyl)phtha...	14.047	149	549505	33.80	ppb		99
92)	Di-n-octylphthalate	15.480	149	920450	35.98	ppb		96
93)	Benzo[b]fluoranthene	15.983	252	925412	46.11	ppb		92
94)	Benzo[k]fluoranthene	16.037	252	835106	43.28	ppb		94
95)	Benzo[a]pyrene	16.609	252	769552	43.74	ppb		93
96)	Indeno[1,2,3-cd]pyrene	18.679	276	688880	39.98	ppb		81
98)	Dibenz[a,h]anthracene	18.727	278	708531	41.12	ppb		90
99)	7,12-Dimethylbenz(a)an...	15.983	256	460328	69.08	ppb		97
100)	Benzo[g,h,i]perylene	19.107	276	715242	40.58	ppb		87
102)	Benzaldehyde	4.147	105	271429	45.16	ppb		94
104)	Atrazine	8.142	215	118772	59.43	ppb		88
105)	1,2,4,5-Tetrachloroben...	6.024	216	391904	52.24	ppb		98
107)	Benzidine	10.966	184	641268	61.30	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33111.D
Acq On : 25 Jun 2014 4:13 am
Operator : ashleyd
Sample : op75897-ms
Misc : op75897,e3p1414,34.4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 26 12:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

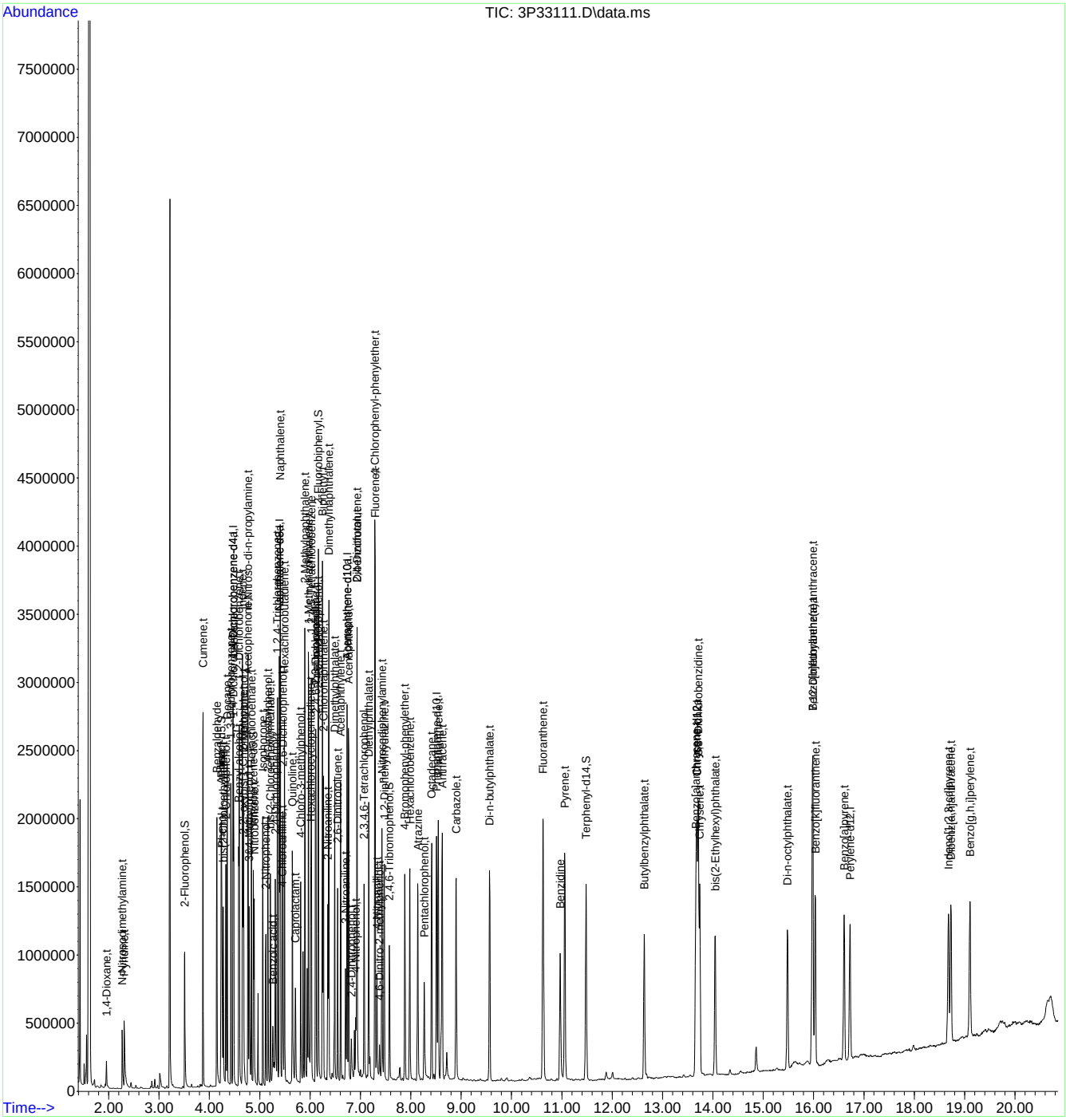
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33111.D
Acq On : 25 Jun 2014 4:13 am
Operator : ashleyd
Sample : op75897-ms
Misc : op75897,e3p1414,34.4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 26 12:20:44 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

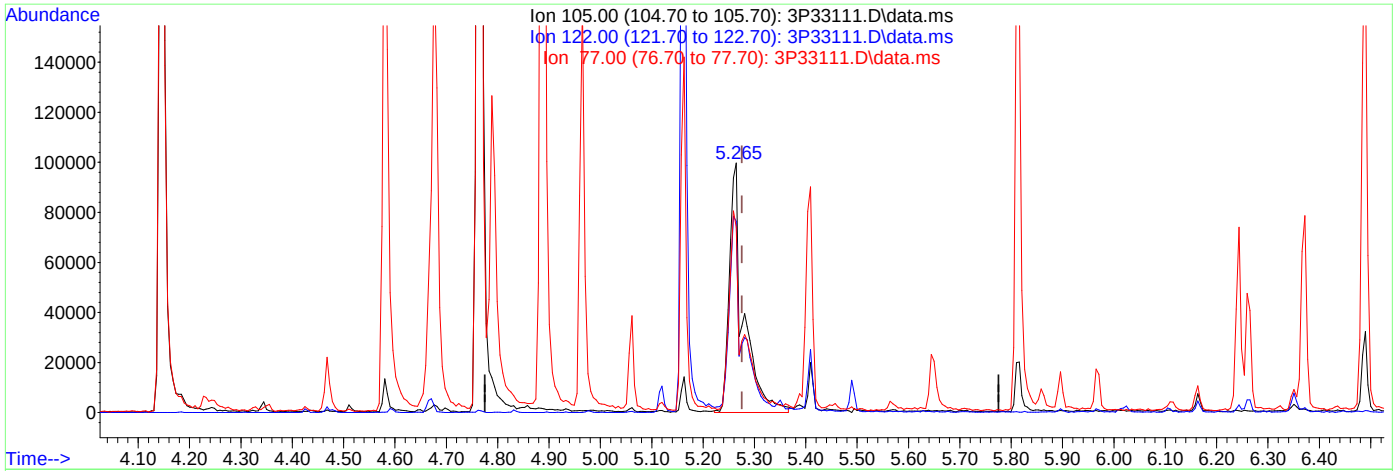
Sample Number:	OP75897-MS	**Method:**	SW846 8270D
Lab FileID:	3P33111.D	**Analyst approved:**	06/26/14 12:46 Samta Patel
Injection Time:	06/25/14 04:13	**Supervisor approved:**	07/01/14 10:17 Jennifer Laidlaw

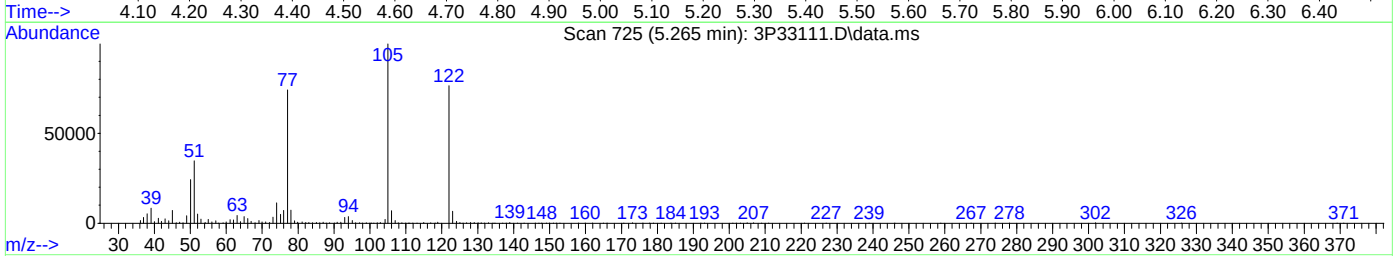
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.26	Split peak

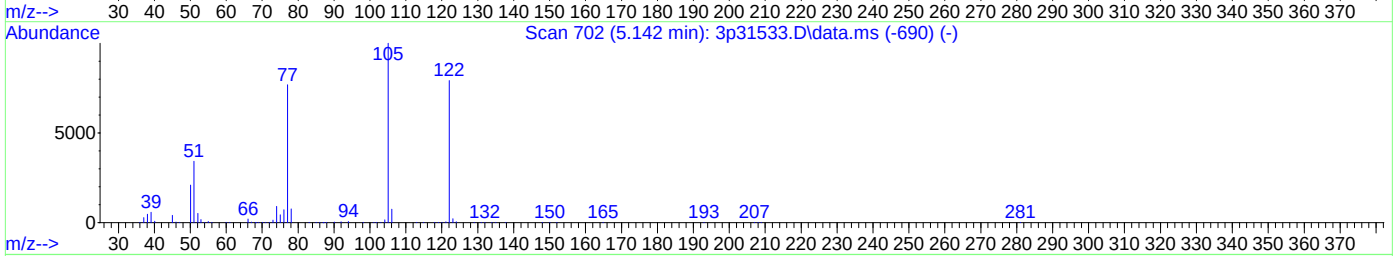
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33111.D
Acq On : 25 Jun 2014 4:13 am
Operator : ashleyd
Sample : op75897-ms
Misc : op75897,e3p1414,34.4
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 26 12:19:05 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration







TIC: 3P33111.D\data.ms

(31) Benzoic acid (t)

5.265min (-0.011) 39.43ppb m

response 189506

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	76.58
77.00	70.30	74.28
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
07/01/14 10:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33112.D
Acq On : 25 Jun 2014 4:39 am
Operator : ashleyd
Sample : op75897-msd
Misc : op75897,e3p1414,33.7
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 26 12:23:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.468	152	275154	40.00	ppb	-0.02
24) Naphthalene-d8	5.388	136	837921	40.00	ppb	-0.02
47) Acenaphthene-d10	6.736	164	511121	40.00	ppb	-0.03
69) Phenanthrene-d10	8.506	188	841881	40.00	ppb	-0.04
83) Chrysene-d12	13.683	240	838763	40.00	ppb	-0.03
91) Perylene-d12	16.722	264	666466	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.468	152	275154	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.736	164	511121	40.00	ppb	-0.03
106) Chrysene-d12a	13.683	240	838763	40.00	ppb	-0.03
108) Naphthalene-d8a	5.388	136	837921	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.505	112	258777	28.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	56.84%		
8) Phenol-d5	4.232	99	322947	30.46	ppb	-0.01
Spiked Amount 50.000			Recovery =	60.92%		
25) Nitrobenzene-d5	4.874	82	301298	43.47	ppb	-0.02
Spiked Amount 50.000			Recovery =	86.94%		
51) 2-Fluorobiphenyl	6.163	172	665851	40.94	ppb	-0.02
Spiked Amount 50.000			Recovery =	81.88%		
73) 2,4,6-Tribromophenol	7.575	330	112674	52.67	ppb	-0.03
Spiked Amount 50.000			Recovery =	105.34%		
85) Terphenyl-d14	11.480	244	831891	50.43	ppb	-0.04
Spiked Amount 50.000			Recovery =	100.86%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.954	88	59061	14.33	ppb	96
3) Pyridine	2.307	79	173123	16.89	ppb	91
4) N-Nitrosodimethylamine	2.264	42	149647	40.26	ppb #	52
6) Indene	4.655	116	541913	33.95	ppb	98
7) Cumene	3.869	105	748232	30.77	ppb	93
9) Phenol	4.243	94	338457	28.61	ppb	86
10) Aniline	4.232	93	251228	21.24	ppb	89
11) bis(2-Chloroethyl)ether	4.275	93	240799	32.12	ppb	92
12) 2-Chlorophenol	4.323	128	291643	29.32	ppb	87
13) Decane	4.355	43	248715	36.21	ppb	83
14) 1,3-Dichlorobenzene	4.425	146	343488	30.14	ppb	99
15) 1,4-Dichlorobenzene	4.478	146	356139	31.44	ppb	100
16) Benzyl alcohol	4.580	108	178848	32.71	ppb	83
17) 1,2-Dichlorobenzene	4.591	146	332804	31.68	ppb	99
18) Acetophenone	4.762	105	458917	36.97	ppb	94
19) 2-Methylphenol	4.676	108	233174	32.28	ppb	96
20) 2,2'-oxybis(1-Chloropr...	4.671	45	276601	37.27	ppb	82
21) 3&4-Methylphenol	4.789	108	230707	30.67	ppb	100
22) n-Nitroso-di-n-propyla...	4.767	70	191474	39.71	ppb	85
23) Hexachloroethane	4.832	201	151208	41.93	ppb	97
26) Nitrobenzene	4.885	77	297015	40.81	ppb	85
27) Quinoline	5.644	129	613768	37.78	ppb	97
28) Isophorone	5.061	82	480016	39.03	ppb	94
29) 2-Nitrophenol	5.120	139	151272	36.58	ppb	92
30) 2,4-Dimethylphenol	5.163	107	278443	47.75	ppb	89
31) Benzoic acid	5.259	105	198304m	42.83	ppb	
32) bis(2-Chloroethoxy)met...	5.211	93	293739	39.61	ppb	99
33) 2,4-Dichlorophenol	5.308	162	261603	39.36	ppb	97
34) 2,6-Dichlorophenol	5.457	162	250365	39.67	ppb	96
36) 1,2,4-Trichlorobenzene	5.350	180	328729	44.04	ppb	95
38) Naphthalene	5.404	128	780164	35.89	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33112.D
Acq On : 25 Jun 2014 4:39 am
Operator : ashleyd
Sample : op75897-msd
Misc : op75897,e3p1414,33.7
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 26 12:23:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39)	4-Chloroaniline	5.447	127	191860	21.09	ppb		94
40)	2,3-Dichloroaniline	6.104	161	356045	39.87	ppb		99
41)	Caprolactam	5.709	113	96103	39.62	ppb		91
42)	Hexachlorobutadiene	5.489	225	219381	55.84	ppb		98
43)	4-Chloro-3-methylphenol	5.810	107	249749	40.34	ppb		78
44)	2-Methylnaphthalene	5.896	141	488802	37.39	ppb		95
45)	1-Methylnaphthalene	5.965	141	553962	38.53	ppb		97
46)	Dimethylnaphthalene	6.372	156	617592	42.84	ppb		94
48)	Hexachlorocyclopentadiene	6.014	237	155188	39.22	ppb		97
49)	2,4,6-Trichlorophenol	6.115	196	231444	49.21	ppb		100
50)	2,4,5-Trichlorophenol	6.158	196	252310	48.10	ppb		99
52)	2-Chloronaphthalene	6.260	162	539506	35.58	ppb		97
53)	Biphenyl	6.244	154	811271	37.68	ppb		99
54)	2-Nitroaniline	6.351	65	181413	50.17	ppb		83
55)	Dimethylphthalate	6.490	163	702459	42.95	ppb		100
56)	Acenaphthylene	6.607	152	744246	30.50	ppb		99
57)	2,6-Dinitrotoluene	6.548	165	154141	46.04	ppb		98
58)	3-Nitroaniline	6.704	138	118219	27.07	ppb		96
59)	Acenaphthene	6.762	153	572036	38.63	ppb		95
60)	2,4-Dinitrophenol	6.816	184	74833	54.97	ppb	#	69
61)	4-Nitrophenol	6.907	109	104413	55.20	ppb		82
62)	Dibenzofuran	6.928	168	854960	40.89	ppb		98
63)	2,4-Dinitrotoluene	6.934	165	211344	46.72	ppb		69
64)	2,3,4,6-Tetrachlorophenol	7.073	232	200845	53.38	ppb		91
65)	Diethylphthalate	7.164	149	714495	43.20	ppb		99
66)	Fluorene	7.292	166	717409	42.46	ppb		99
67)	4-Chlorophenyl-phenyle...	7.287	204	402922	53.72	ppb		85
68)	4-Nitroaniline	7.329	138	135534	30.53	ppb		77
70)	4,6-Dinitro-2-methylph...	7.377	198	56268	26.94	ppb		88
71)	n-Nitrosodiphenylamine	7.426	169	508557	45.51	ppb		99
72)	1,2-Diphenylhydrazine	7.468	77	623417	42.24	ppb		94
74)	4-Bromophenyl-phenylether	7.880	248	240825	54.94	ppb		89
75)	Hexachlorobenzene	7.976	284	246771	49.54	ppb		97
76)	Pentachlorophenol	8.265	266	135128	44.42	ppb		98
77)	Phenanthrene	8.543	178	961208	40.18	ppb		99
78)	Anthracene	8.624	178	987298	42.35	ppb		100
79)	Carbazole	8.896	167	914508	35.28	ppb		98
80)	Di-n-butylphthalate	9.565	149	1169417	40.68	ppb		99
81)	Fluoranthene	10.624	202	1189539	45.27	ppb		95
82)	Octadecane	8.415	57	373281	40.39	ppb		88
84)	Pyrene	11.057	202	1201826	43.23	ppb		99
86)	Butylbenzylphthalate	12.635	149	480210	36.93	ppb		95
87)	Benzo[a]anthracene	13.662	228	1074858	45.83	ppb		100
88)	3,3'-Dichlorobenzidine	13.710	252	801909	95.19	ppb		97
89)	Chrysene	13.737	228	987033	47.63	ppb		100
90)	bis(2-Ethylhexyl)phtha...	14.042	149	616410	37.05	ppb		98
92)	Di-n-octylphthalate	15.481	149	1025045	39.04	ppb		97
93)	Benzo[b]fluoranthene	15.978	252	984208	47.79	ppb		92
94)	Benzo[k]fluoranthene	16.032	252	887367	44.80	ppb		95
95)	Benzo[a]pyrene	16.609	252	848463	46.98	ppb		91
96)	Indeno[1,2,3-cd]pyrene	18.674	276	720872	40.76	ppb		80
98)	Dibenz[a,h]anthracene	18.727	278	735966	41.61	ppb		91
99)	7,12-Dimethylbenz(a)an...	15.983	256	496008	72.53	ppb		97
100)	Benzo[g,h,i]perylene	19.107	276	727596	40.22	ppb		85
102)	Benzaldehyde	4.147	105	258220	44.35	ppb		94
104)	Atrazine	8.137	215	130160	66.36	ppb		97
105)	1,2,4,5-Tetrachloroben...	6.024	216	364280	49.47	ppb		99
107)	Benzidine	10.966	184	602713	56.30	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33112.D
Acq On : 25 Jun 2014 4:39 am
Operator : ashleyd
Sample : op75897-msd
Misc : op75897,e3p1414,33.7
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 26 12:23:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration

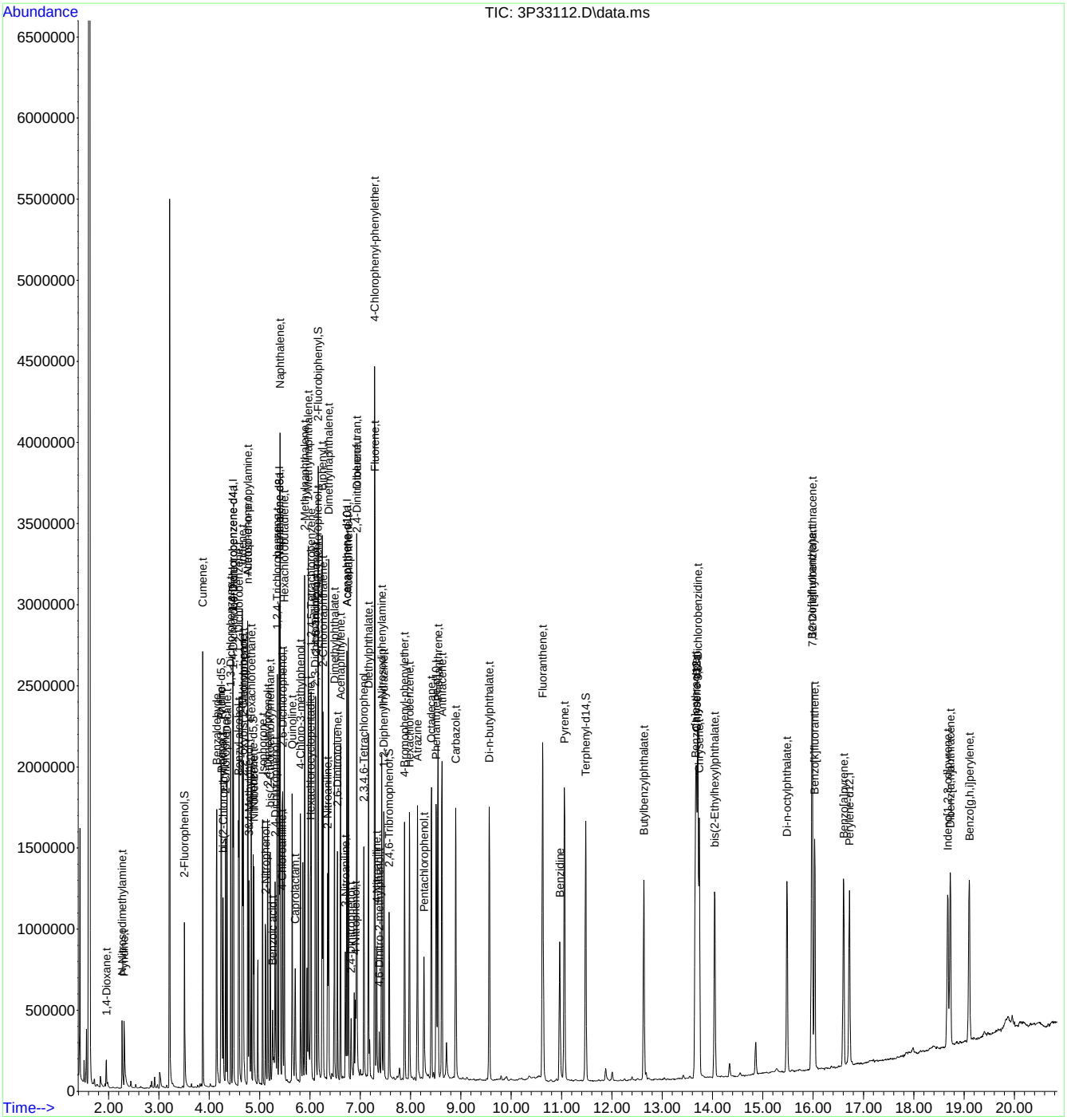
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33112.D
Acq On : 25 Jun 2014 4:39 am
Operator : ashleyd
Sample : op75897-msd
Misc : op75897,e3p1414,33.7
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 26 12:23:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration



Manual Integration Approval Summary

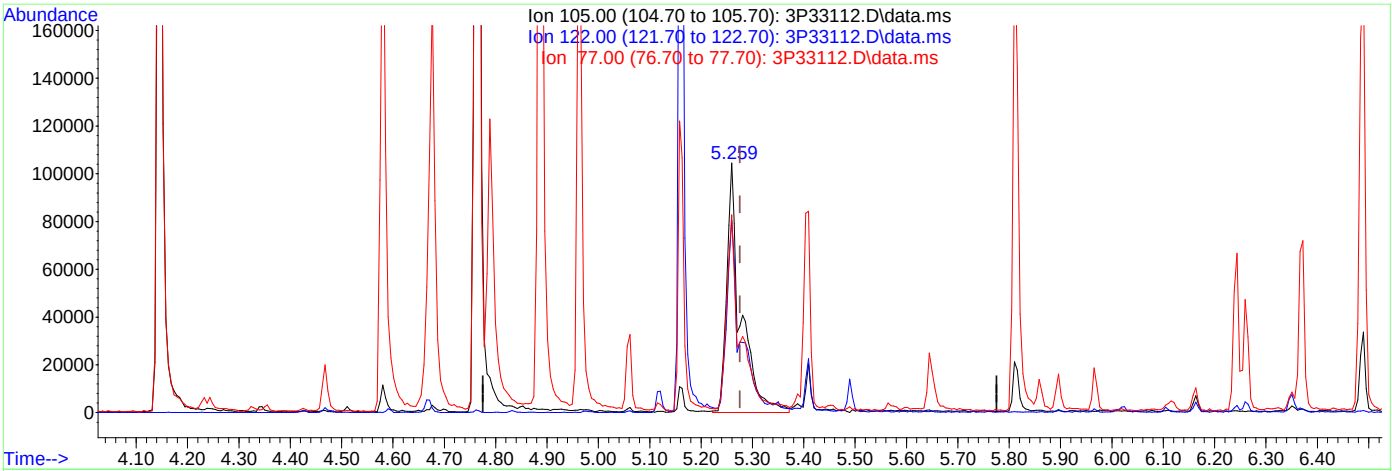
Sample Number:	OP75897-MSD	**Method:**	SW846 8270D
Lab FileID:	3P33112.D	**Analyst approved:**	06/26/14 12:46 Samta Patel
Injection Time:	06/25/14 04:39	**Supervisor approved:**	07/01/14 10:17 Jennifer Laidlaw

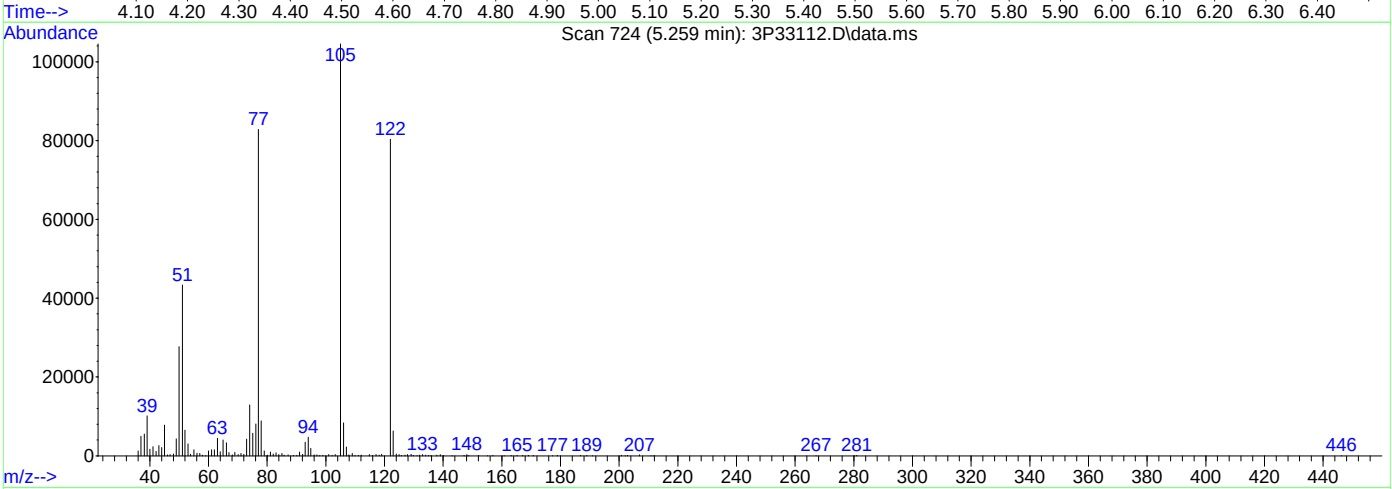
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.26	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33112.D
Acq On : 25 Jun 2014 4:39 am
Operator : ashleyd
Sample : op75897-msd
Misc : op75897,e3p1414,33.7
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 05:00:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 20 11:05:23 2014
Response via : Initial Calibration





TIC: 3P33112.D\data.ms

(31) Benzoic acid (t)

5.259min (-0.016) 42.83ppb m

response 198304

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	76.85
77.00	70.30	79.20
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw 07/01/14 12:55

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86852.D Vial: 26
Acq On : 29 Jun 2014 11:20 pm Operator: ashleyd
Sample : op75898-ms Inst : MSP
Misc : op75898,ep3698,34.4,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 29 23:39:10 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.88	152	66085	40.00	ppb		0.00
24) Naphthalene-d8	5.24	136	224258	40.00	ppb		0.00
47) Acenaphthene-d10	7.32	164	121669	40.00	ppb		0.00
69) Phenanthrene-d10	9.14	188	185837	40.00	ppb		0.02
83) Chrysene-d12	12.94	240	180821	40.00	ppb		0.02
92) Perylene-d12	15.02	264	163246	40.00	ppb		0.02
102) 1,4-Dichlorobenzene-d4b	3.88	152	66085	40.00	ppb		0.00
104) Phenanthrene-d10b	9.14	188	185837	40.00	ppb		0.02
106) Chrysene-d12b	12.94	240	180821	40.00	ppb		0.02
108) Naphthalene-d8b	5.24	136	224258	40.00	ppb		0.00
110) Acenaphthene-d10b	7.32	164	121669	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	2.76	112	89827	35.63	ppb		0.00
Spiked Amount 50.000			Recovery = 71.26%				
8) Phenol-d5	3.52	99	114401	37.29	ppb		0.00
Spiked Amount 50.000			Recovery = 74.58%				
25) Nitrobenzene-d5	4.44	82	112254	52.58	ppb		0.00
Spiked Amount 50.000			Recovery = 105.16%				
51) 2-Fluorobiphenyl	6.51	172	158150	41.44	ppb		0.00
Spiked Amount 50.000			Recovery = 82.88%				
73) 2,4,6-Tribromophenol	8.28	330	18684	44.29	ppb		0.01
Spiked Amount 50.000			Recovery = 88.58%				
85) Terphenyl-d14	11.38	244	159092	41.40	ppb		0.01
Spiked Amount 50.000			Recovery = 82.80%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.80	88	23664	20.86	ppb		89
3) Pyridine	1.97	79	79922	27.95	ppb		83
4) N-Nitrosodimethylamine	1.94	42	54883	56.97	ppb	#	41
6) Indene	4.14	116	168145	43.91	ppb		96
7) Cumene	3.16	105	249190	42.89	ppb		92
9) Phenol	3.54	94	117566	37.37	ppb		72
10) Aniline	3.56	93	86790	22.09	ppb		87
11) bis(2-Chloroethyl)ether	3.60	93	95881	40.93	ppb		85
12) 2-Chlorophenol	3.68	128	87793	36.77	ppb		90
13) Decane	3.71	43	104616	46.41	ppb		90
14) 1,3-Dichlorobenzene	3.83	146	94932	35.22	ppb		99
15) 1,4-Dichlorobenzene	3.89	146	90701	34.55	ppb		98
16) Benzyl alcohol	4.01	108	64386	40.16	ppb	#	62
17) 1,2-Dichlorobenzene	4.05	146	89089	35.97	ppb		98
18) Acetophenone	4.28	105	151729	49.23	ppb		77
19) 2-Methylphenol	4.13	108	81116	35.67	ppb		95
20) 2,2'-oxybis(1-Chloropropan	4.14	121	27260	38.53	ppb	#	74
21) 3&4-Methylphenol	4.29	108	79364	34.90	ppb		98
22) n-Nitroso-di-n-propylamine	4.28	70	72504	49.49	ppb		83
23) Hexachloroethane	4.40	201	30222	32.00	ppb		86
26) Nitrobenzene	4.46	77	114977	52.02	ppb		83
27) Quinoline	5.65	129	179755	41.45	ppb		92
28) Isophorone	4.72	82	185651	45.95	ppb		90

(#) = qualifier out of range (m) = manual integration
P86852.D MP3684.M Mon Jun 30 13:48:24 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86852.D Vial: 26
Acq On : 29 Jun 2014 11:20 pm Operator: ashleyd
Sample : op75898-ms Inst : MSP
Misc : op75898,ep3698,34.4,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 29 23:39:10 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2-Nitrophenol	4.81	139	44382	38.52	ppb		69
30)	2,4-Dimethylphenol	4.87	107	98211	50.47	ppb		89
31)	Benzoic acid	4.99	105	60342	40.10	ppb		80
32)	bis(2-Chloroethoxy)methane	4.96	93	107306	44.46	ppb		89
33)	2,4-Dichlorophenol	5.09	162	67066	38.07	ppb		96
34)	2,6-Dichlorophenol	5.09	162	67066	40.33	ppb		90
36)	1,2,4-Trichlorobenzene	5.17	180	72651	36.28	ppb		98
38)	Naphthalene	5.26	128	249601	41.53	ppb		99
39)	4-Chloroaniline	5.33	127	80621	31.50	ppb		92
40)	2,3-Dichloroaniline	6.41	161	95415	44.65	ppb		91
41)	Caprolactam	5.75	55	42447	46.22	ppb		94
42)	Hexachlorobutadiene	5.41	225	44931	44.07	ppb		99
43)	4-Chloro-3-methylphenol	5.93	107	75377	43.00	ppb		89
44)	2-Methylnaphthalene	6.07	141	138338	39.81	ppb		93
45)	1-Methylnaphthalene	6.19	142	179213	43.94	ppb		91
46)	Dimethylnaphthalene	6.83	156	467979	127.65	ppb		92
48)	Hexachlorocyclopentadiene	6.26	237	23426	25.93	ppb		98
49)	2,4,6-Trichlorophenol	6.43	196	45646	43.89	ppb		97
50)	2,4,5-Trichlorophenol	6.47	196	48777	41.64	ppb		94
52)	2-Chloronaphthalene	6.65	162	141281	41.72	ppb		95
53)	Biphenyl	6.63	154	202983	44.16	ppb		98
54)	2-Nitroaniline	6.78	65	59391	63.19	ppb	#	76
55)	Dimethylphthalate	7.01	163	154467	40.96	ppb		98
56)	Acenaphthylene	7.15	152	192726	35.62	ppb		98
57)	2,6-Dinitrotoluene	7.08	165	39192m	46.84	ppb		
58)	3-Nitroaniline	7.27	138	44273	42.23	ppb	#	72
59)	Acenaphthene	7.36	153	159270	47.01	ppb		95
60)	2,4-Dinitrophenol	7.42	184	7370	21.90	ppb		79
61)	4-Nitrophenol	7.53	109	31395	72.11	ppb	#	51
62)	Dibenzofuran	7.57	168	207282	44.32	ppb		93
63)	2,4-Dinitrotoluene	7.57	165	57802	53.61	ppb		64
64)	2,3,4,6-Tetrachlorophenol	7.74	232	34231	37.97	ppb	#	75
65)	Diethylphthalate	7.87	149	157865	44.78	ppb		94
66)	Fluorene	7.99	166	191022	51.16	ppb		96
67)	4-Chlorophenyl-phenylether	7.99	204	76852	43.03	ppb		92
68)	4-Nitroaniline	8.02	138	35196	33.85	ppb	#	38
70)	4,6-Dinitro-2-methylphenol	8.07	198	7844	12.25	ppb	#	52
71)	n-Nitrosodiphenylamine	8.13	169	159594	64.36	ppb		89
72)	1,2-Diphenylhydrazine	8.18	77	184562	51.42	ppb		88
74)	4-Bromophenyl-phenylether	8.58	248	39661	39.71	ppb		85
75)	Hexachlorobenzene	8.67	284	38687	38.12	ppb		88
76)	Pentachlorophenol	8.93	266	22708	38.94	ppb		93
77)	Phenanthrene	9.18	178	282034	53.82	ppb		98
78)	Anthracene	9.24	178	227225	42.90	ppb		99
79)	Carbazole	9.46	167	208422	41.11	ppb		97
80)	Di-n-butylphthalate	9.96	149	260685	46.10	ppb		97
81)	Fluoranthene	10.80	202	329515	56.18	ppb		96
82)	Octadecane	9.05	57	117443	52.24	ppb		90
84)	Pyrene	11.12	202	336147	54.39	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86852.D Vial: 26
Acq On : 29 Jun 2014 11:20 pm Operator: ashleyd
Sample : op75898-ms Inst : MSP
Misc : op75898,ep3698,34.4,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 29 23:39:10 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

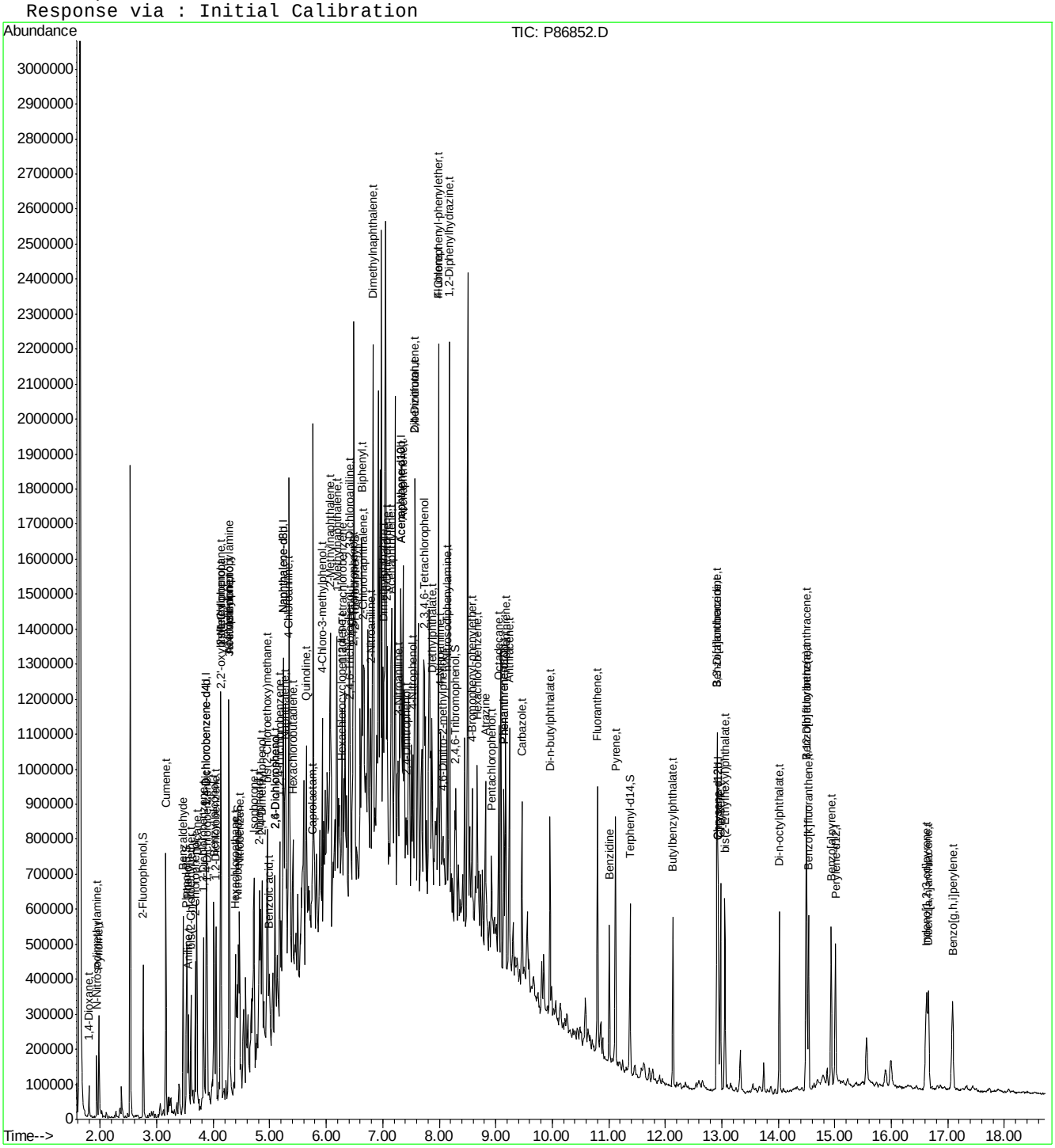
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86)	Butylbenzylphthalate	12.14	149	123435	48.63	ppb	79
88)	Benzo[a]anthracene	12.93	228	254057	48.73	ppb	99
89)	3,3'-Dichlorobenzidine	12.92	252	151337	79.05	ppb	99
90)	Chrysene	12.98	228	241828	49.29	ppb	99
91)	bis(2-Ethylhexyl)phthalate	13.05	149	166196	50.73	ppb	93
93)	Di-n-octylphthalate	14.02	149	282163	51.42	ppb	94
94)	Benzo[b]fluoranthene	14.50	252	252409	51.99	ppb	97
95)	Benzo[k]fluoranthene	14.54	252	214348	44.27	ppb	97
96)	Benzo[a]pyrene	14.94	252	219751	49.06	ppb	97
97)	Indeno[1,2,3-cd]pyrene	16.62	276	230488	45.19	ppb	88
99)	Dibenz[a,h]anthracene	16.66	278	179780	43.14	ppb	96
100)	7,12-Dimethylbenz(a)anthra	14.50	256	110054	49.39	ppb	97
101)	Benzo[g,h,i]perylene	17.09	276	197621	46.10	ppb	92
103)	Benzaldehyde	3.47	105	79766	37.41	ppb	85
105)	Atrazine	8.82	200	49868	45.62	ppb	86
107)	Benzidine	11.01	184	155406	38.36	ppb	99
111)	1,2,4,5-Tetrachlorobenzene	6.28	216	70010	32.98	ppb	100

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86852.D Vial: 26
Acq On : 29 Jun 2014 11:20 pm Operator: ashleyd
Sample : op75898-ms Inst : MSP
Misc : op75898,ep3698,34.4,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:48 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

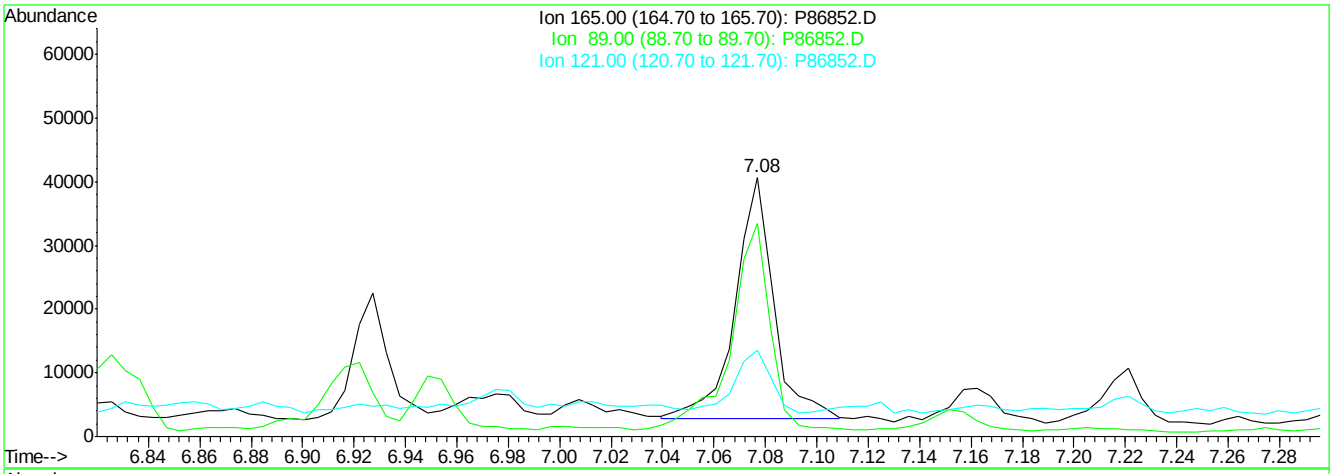
Sample Number: OP75898-MS
Lab FileID: P86852.D
Injection Time: 06/29/14 23:20
Method: SW846 8270D
Analyst approved: 06/30/14 14:10 Kristi Schollenberger
Supervisor approved: 07/01/14 12:55 Jennifer Laidlaw

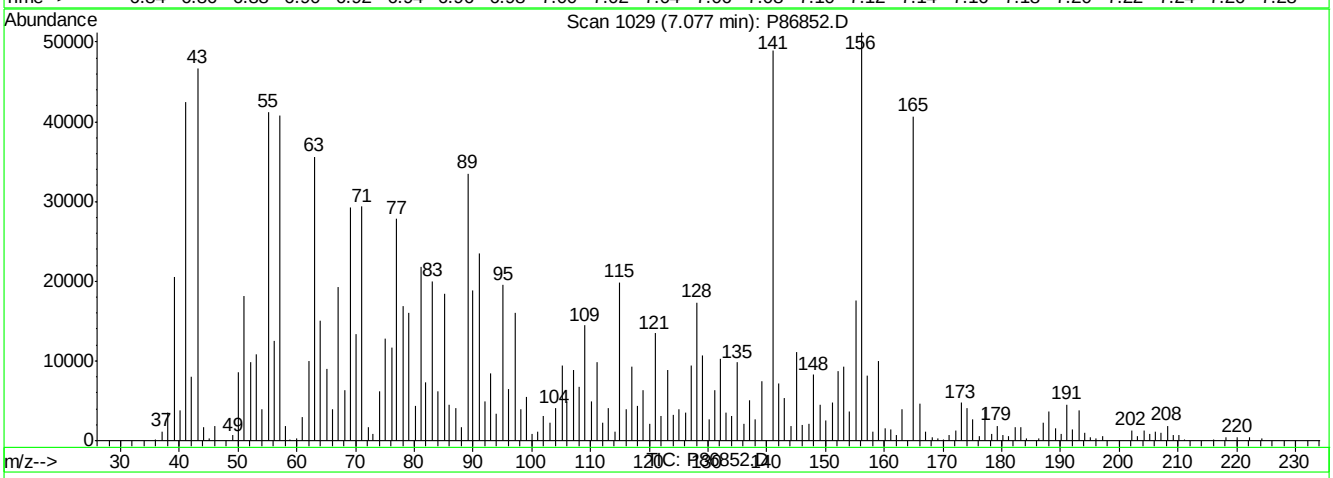
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,6-Dichlorophenol	87-65-0		5.34	Poor instrument integration
2,6-Dinitrotoluene	606-20-2		7.08	Poor instrument integration

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86852.D Vial: 26
Acq On : 29 Jun 2014 11:20 pm Operator: ashleyd
Sample : op75898-ms Inst : MSP
Misc : op75898,ep3698,34.4,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:47 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration





(57) 2,6-Dinitrotoluene (t)

7.08min 46.84ppb m

response 39192

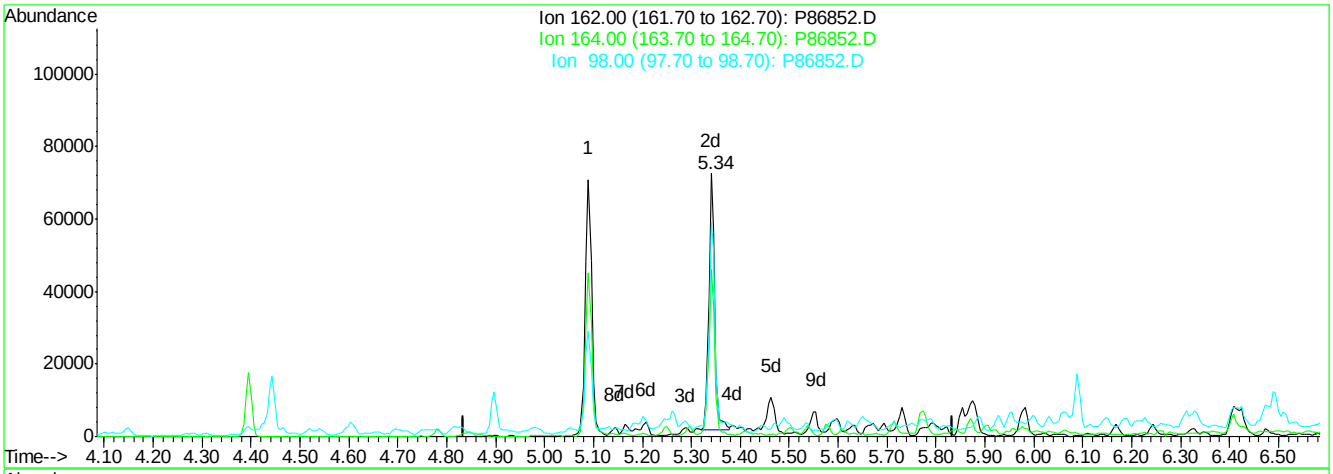
Ion	Exp%	Act%
165.00	100	100
89.00	49.40	82.30#
121.00	18.40	33.11
0.00	0.00	0.00

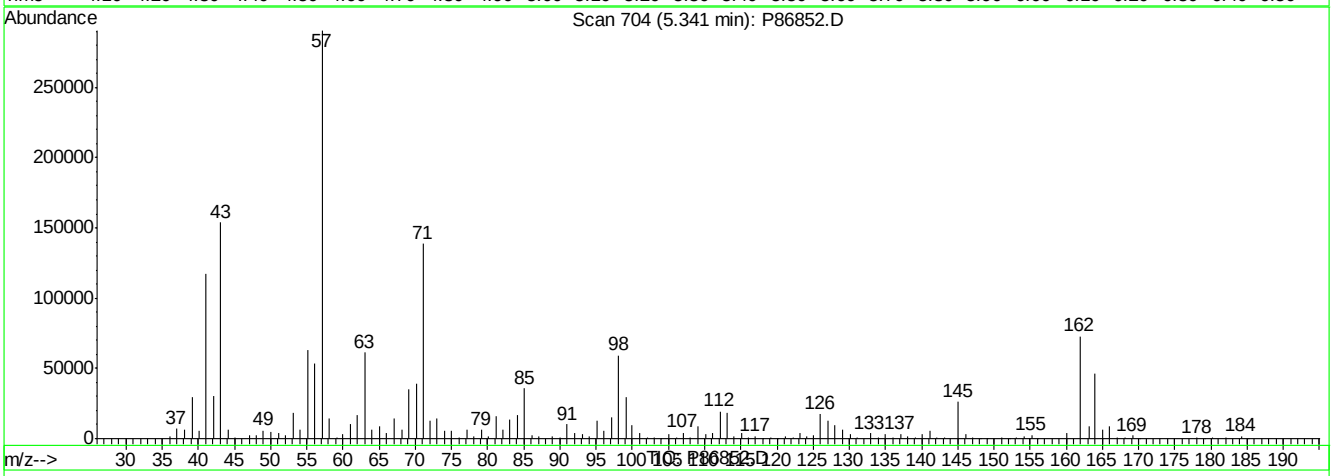
P86852.D MP3684.M Mon Jun 30 13:47:40 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86852.D Vial: 26
Acq On : 29 Jun 2014 11:20 pm Operator: ashleyd
Sample : op75898-ms Inst : MSP
Misc : op75898,ep3698,34.4,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:49 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration





(34) 2,6-Dichlorophenol

5.34min 37.56ppb m

response 62467

Ion	Exp%	Act%
162.00	100	100
164.00	64.80	67.50
98.00	24.50	41.38
0.00	0.00	0.00

P86852.D MP3684.M Mon Jun 30 13:49:37 2014

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw 07/01/14 12:55

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86853.D Vial: 27
Acq On : 29 Jun 2014 11:45 pm Operator: ashleyd
Sample : op75898-msd Inst : MSP
Misc : op75898,ep3698,32.8,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 00:04:37 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.88	152	62554	40.00	ppb		0.00
24) Naphthalene-d8	5.24	136	236616	40.00	ppb		0.00
47) Acenaphthene-d10	7.33	164	129848	40.00	ppb		0.02
69) Phenanthrene-d10	9.15	188	186340	40.00	ppb		0.02
83) Chrysene-d12	12.95	240	188976	40.00	ppb		0.02
92) Perylene-d12	15.02	264	172793	40.00	ppb		0.02
102) 1,4-Dichlorobenzene-d4b	3.88	152	62554	40.00	ppb		0.00
104) Phenanthrene-d10b	9.15	188	186340	40.00	ppb		0.02
106) Chrysene-d12b	12.95	240	188976	40.00	ppb		0.02
108) Naphthalene-d8b	5.24	136	236616	40.00	ppb		0.00
110) Acenaphthene-d10b	7.33	164	129848	40.00	ppb		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	2.76	112	98988	41.49	ppb		0.00
Spiked Amount 50.000			Recovery = 82.98%				
8) Phenol-d5	3.52	99	129299	44.53	ppb		0.00
Spiked Amount 50.000			Recovery = 89.06%				
25) Nitrobenzene-d5	4.44	82	130364	57.88	ppb		0.00
Spiked Amount 50.000			Recovery = 115.76%				
51) 2-Fluorobiphenyl	6.52	172	187202	45.96	ppb		0.01
Spiked Amount 50.000			Recovery = 91.92%				
73) 2,4,6-Tribromophenol	8.29	330	24056	56.87	ppb		0.02
Spiked Amount 50.000			Recovery = 113.74%				
85) Terphenyl-d14	11.38	244	187101	46.59	ppb		0.02
Spiked Amount 50.000			Recovery = 93.18%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.80	88	25421	23.68	ppb		88
3) Pyridine	1.98	79	86454	31.94	ppb		83
4) N-Nitrosodimethylamine	1.94	42	57444	63.00	ppb	#	47
6) Indene	4.14	116	179571	49.54	ppb		95
7) Cumene	3.16	105	266139	48.39	ppb		91
9) Phenol	3.54	94	135094	45.37	ppb		70
10) Aniline	3.56	93	109804	29.53	ppb		83
11) bis(2-Chloroethyl)ether	3.60	93	102231	46.10	ppb		82
12) 2-Chlorophenol	3.68	128	92923	41.12	ppb		87
13) Decane	3.71	43	113425	53.16	ppb		89
14) 1,3-Dichlorobenzene	3.83	146	98063	38.44	ppb		99
15) 1,4-Dichlorobenzene	3.90	146	95481	38.43	ppb		99
16) Benzyl alcohol	4.01	108	68732	45.29	ppb	#	60
17) 1,2-Dichlorobenzene	4.05	146	93214	39.76	ppb		98
18) Acetophenone	4.28	105	165701	56.80	ppb		81
19) 2-Methylphenol	4.13	108	88552	41.14	ppb		96
20) 2,2'-oxybis(1-Chloropropan	4.14	121	30843	46.06	ppb	#	82
21) 3&4-Methylphenol	4.29	108	96039	44.61	ppb		94
22) n-Nitroso-di-n-propylamine	4.28	70	84343	60.82	ppb	#	81
23) Hexachloroethane	4.40	201	31234	34.94	ppb		95
26) Nitrobenzene	4.46	77	131228	56.27	ppb		81
27) Quinoline	5.66	129	217375	47.51	ppb		93
28) Isophorone	4.72	82	228339	53.57	ppb		86

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86853.D Vial: 27
Acq On : 29 Jun 2014 11:45 pm Operator: ashleyd
Sample : op75898-msd Inst : MSP
Misc : op75898,ep3698,32.8,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 00:04:37 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2-Nitrophenol	4.81	139	52775	43.41	ppb		66
30)	2,4-Dimethylphenol	4.87	107	132780	64.67	ppb		90
31)	Benzoic acid	5.00	105	75068m	47.28	ppb		
32)	bis(2-Chloroethoxy)methane	4.96	93	121458	47.69	ppb		90
33)	2,4-Dichlorophenol	5.09	162	79730	42.90	ppb		98
34)	2,6-Dichlorophenol	5.35	162	73092m	41.65	ppb		
36)	1,2,4-Trichlorobenzene	5.18	180	83176	39.36	ppb		96
38)	Naphthalene	5.27	128	364583	57.49	ppb		98
39)	4-Chloroaniline	5.33	127	101243	37.49	ppb		92
40)	2,3-Dichloroaniline	6.41	161	107903	47.86	ppb		78
41)	Caprolactam	5.76	55	36307m	37.47	ppb		
42)	Hexachlorobutadiene	5.42	225	52700	49.00	ppb		99
43)	4-Chloro-3-methylphenol	5.93	107	83222	45.00	ppb		90
44)	2-Methylnaphthalene	6.08	141	167660	45.73	ppb		91
45)	1-Methylnaphthalene	6.20	142	207447	48.21	ppb		91
46)	Dimethylnaphthalene	6.84	156	892517	230.74	ppb		95
48)	Hexachlorocyclopentadiene	6.27	237	26985	27.99	ppb		99
49)	2,4,6-Trichlorophenol	6.43	196	56717	51.10	ppb		94
50)	2,4,5-Trichlorophenol	6.48	196	61745	49.39	ppb		92
52)	2-Chloronaphthalene	6.66	162	161917	44.80	ppb		98
53)	Biphenyl	6.64	154	236403	48.19	ppb		99
54)	2-Nitroaniline	6.78	65	65138	64.94	ppb	#	78
55)	Dimethylphthalate	7.01	163	188012	46.71	ppb		96
56)	Acenaphthylene	7.16	152	250578	43.39	ppb		97
57)	2,6-Dinitrotoluene	7.08	165	69715	78.07	ppb		69
58)	3-Nitroaniline	7.29	138	55547	49.65	ppb		87
59)	Acenaphthene	7.37	153	231697	64.08	ppb		93
60)	2,4-Dinitrophenol	7.43	184	13404	31.62	ppb		77
61)	4-Nitrophenol	7.54	109	33976	73.12	ppb	#	48
62)	Dibenzofuran	7.58	168	284547	57.01	ppb		92
63)	2,4-Dinitrotoluene	7.58	165	86439	75.11	ppb		75
64)	2,3,4,6-Tetrachlorophenol	7.75	232	44158	45.89	ppb	#	65
65)	Diethylphthalate	7.87	149	187637	49.88	ppb		94
66)	Fluorene	8.00	166	276734	69.45	ppb		94
67)	4-Chlorophenyl-phenylether	8.00	204	101674	53.34	ppb		96
68)	4-Nitroaniline	8.03	138	50847	45.83	ppb	#	46
70)	4,6-Dinitro-2-methylphenol	8.26	198	3903	6.08	ppb		91
71)	n-Nitrosodiphenylamine	8.15	169	248566	99.97	ppb		78
72)	1,2-Diphenylhydrazine	8.19	77	196781	54.67	ppb		68
74)	4-Bromophenyl-phenylether	8.59	248	50323	50.25	ppb		94
75)	Hexachlorobenzene	8.68	284	49926	49.06	ppb		86
76)	Pentachlorophenol	8.94	266	28059	47.99	ppb		92
77)	Phenanthrene	9.19	178	544425	103.60	ppb		99
78)	Anthracene	9.25	178	312065	58.75	ppb		99
79)	Carbazole	9.47	167	265398	52.21	ppb		96
80)	Di-n-butylphthalate	9.96	149	311143	54.87	ppb		98
81)	Fluoranthene	10.81	202	629614	107.05	ppb		96
82)	Octadecane	9.06	57	126467	56.11	ppb		90
84)	Pyrene	11.13	202	619240	95.87	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86853.D Vial: 27
Acq On : 29 Jun 2014 11:45 pm Operator: ashleyd
Sample : op75898-msd Inst : MSP
Misc : op75898,ep3698,32.8,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 00:04:37 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

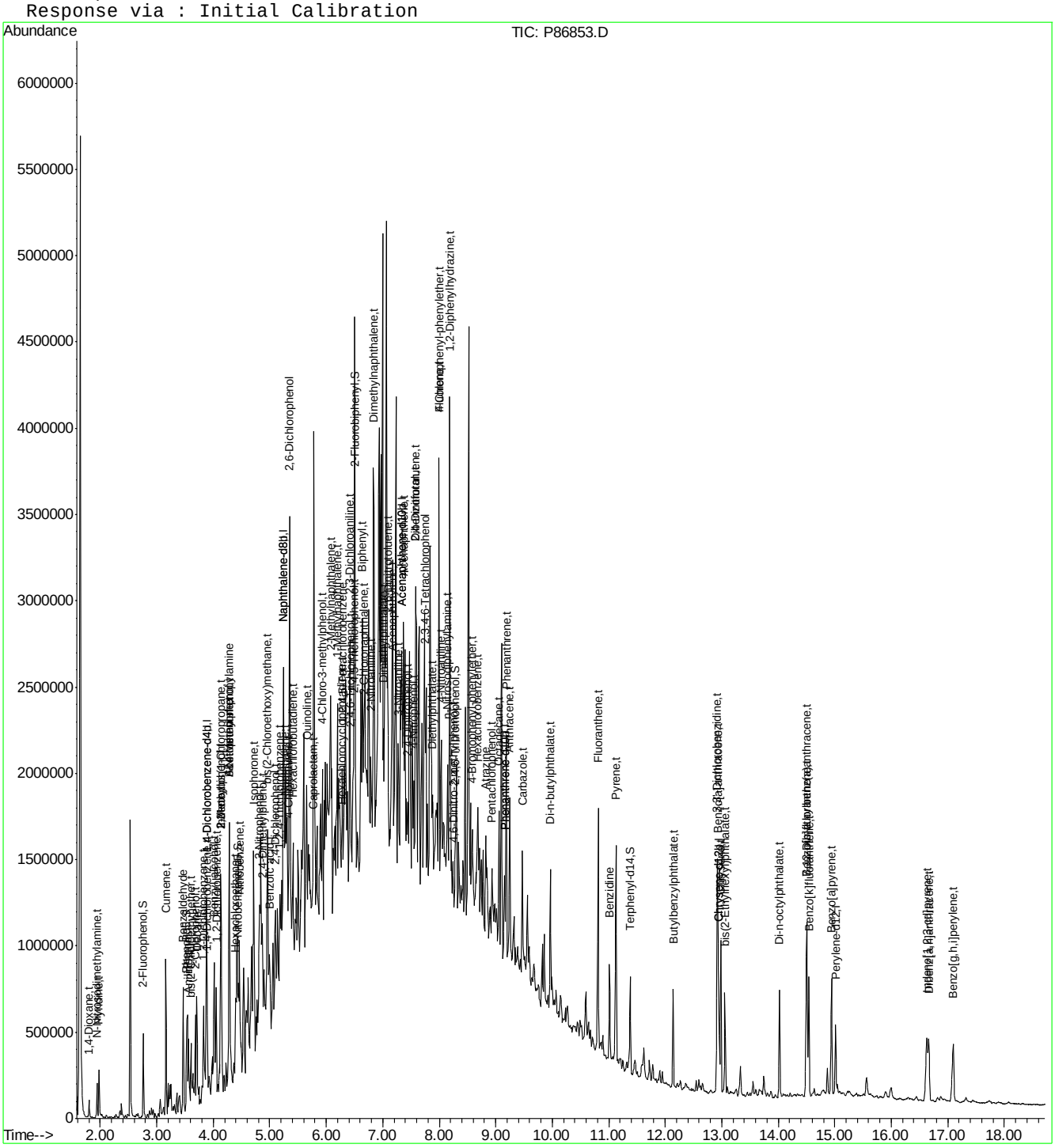
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
86)	Butylbenzylphthalate	12.14	149	146287	55.15	ppb	82
88)	Benzo[a]anthracene	12.93	228	421122	77.28	ppb	99
89)	3,3'-Dichlorobenzidine	12.92	252	187393	93.66	ppb	99
90)	Chrysene	12.99	228	411067	80.17	ppb	99
91)	bis(2-Ethylhexyl)phthalate	13.06	149	198066	57.85	ppb	94
93)	Di-n-octylphthalate	14.02	149	346103	59.59	ppb	94
94)	Benzo[b]fluoranthene	14.51	252	419873	81.71	ppb	98
95)	Benzo[k]fluoranthene	14.55	252	279098	54.45	ppb	97
96)	Benzo[a]pyrene	14.95	252	335690	70.81	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.63	276	314294	58.21	ppb	89
99)	Dibenz[a,h]anthracene	16.66	278	231189	52.41	ppb	97
100)	7,12-Dimethylbenz(a)anthra	14.50	256	139394	59.11	ppb	98
101)	Benzo[g,h,i]perylene	17.10	276	276095	60.84	ppb	93
103)	Benzaldehyde	3.47	105	85198	42.21	ppb	84
105)	Atrazine	8.82	200	61519	56.13	ppb	86
107)	Benzidine	11.01	184	215606	50.93	ppb	98
111)	1,2,4,5-Tetrachlorobenzene	6.29	216	81369	35.91	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86853.D Vial: 27
Acq On : 29 Jun 2014 11:45 pm Operator: ashleyd
Sample : op75898-msd Inst : MSP
Misc : op75898,ep3698,32.8,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:51 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

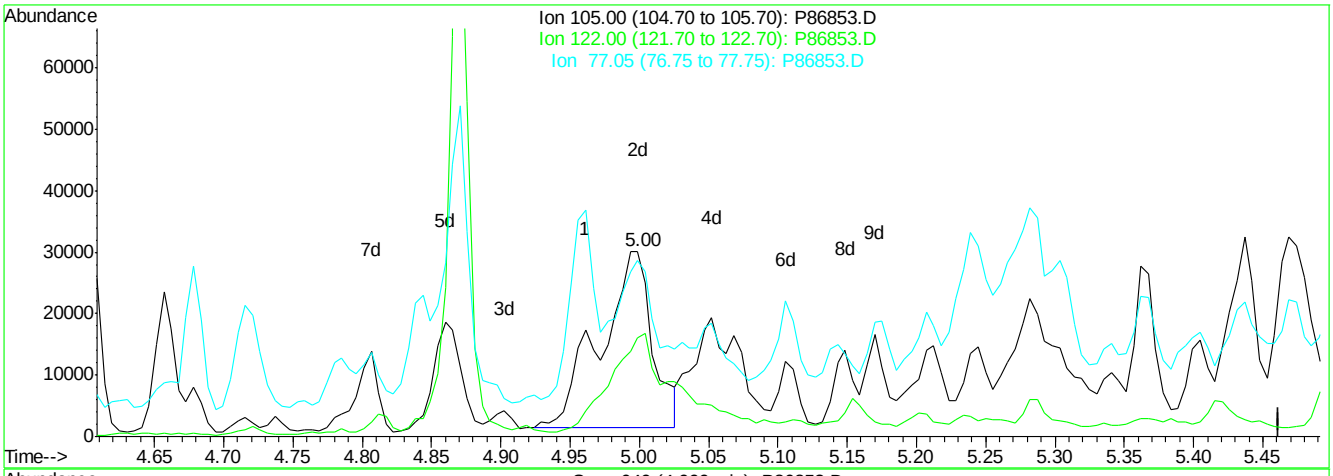
Sample Number: OP75898-MSD
Lab FileID: P86853.D
Injection Time: 06/29/14 23:45
Method: SW846 8270D
Analyst approved: 06/30/14 14:10 Kristi Schollenberger
Supervisor approved: 07/01/14 12:55 Jennifer Laidlaw

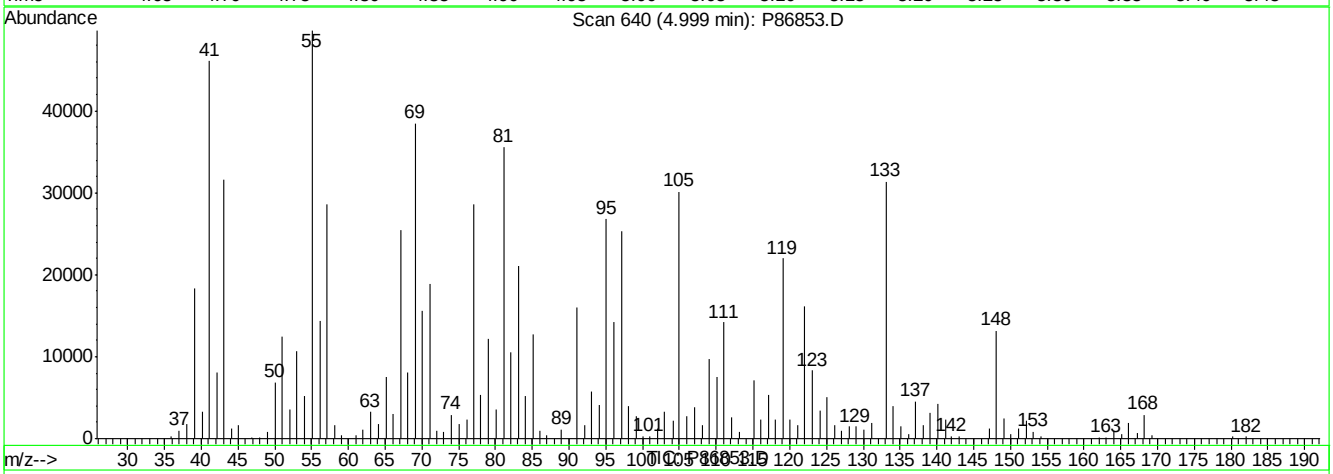
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.00	Split peak
2,6-Dichlorophenol	87-65-0		5.35	Poor instrument integration
Caprolactam	105-60-2		5.76	Poor instrument integration

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86853.D Vial: 27
Acq On : 29 Jun 2014 11:45 pm Operator: ashleyd
Sample : op75898-msd Inst : MSP
Misc : op75898,ep3698,32.8,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:49 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration





(31) Benzoic acid (t)

5.00min 47.28ppb m

response 75068

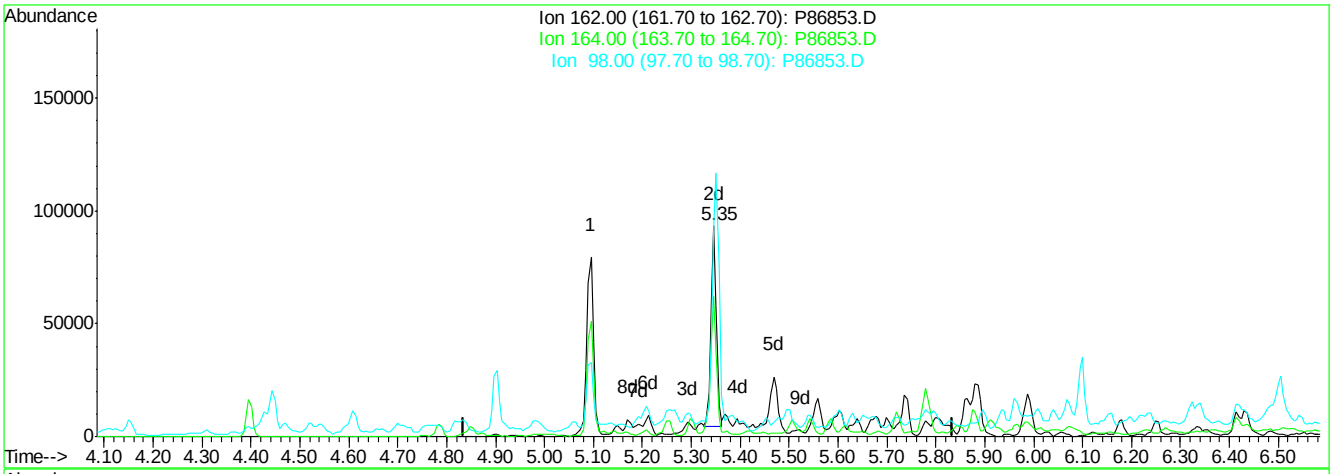
Ion	Exp%	Act%
105.00	100	100
122.00	82.40	53.59
77.05	72.00	95.09
0.00	0.00	0.00

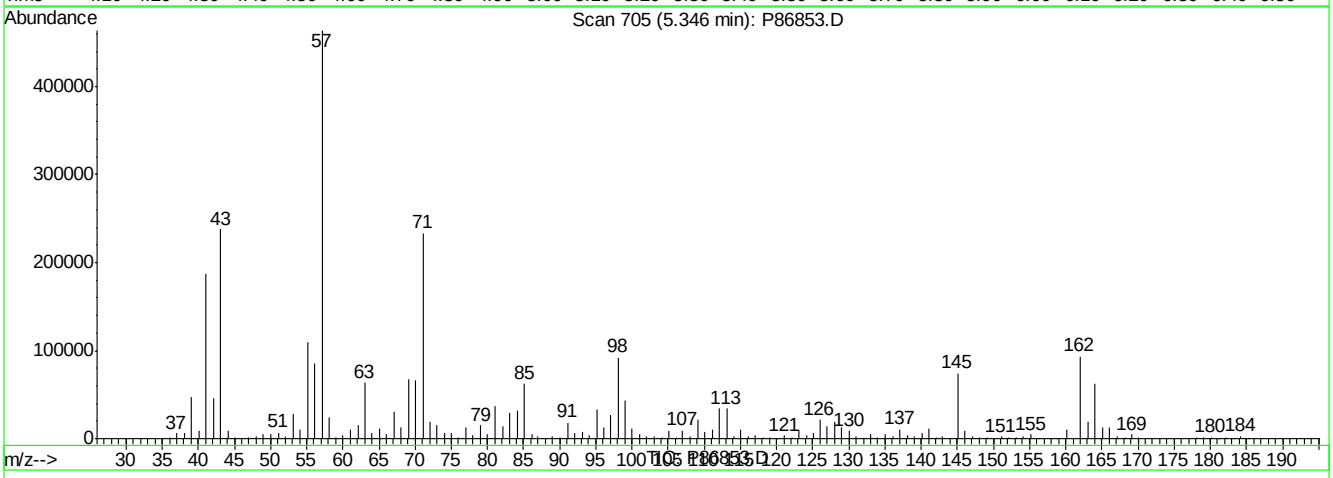
P86853.D MP3684.M Mon Jun 30 13:49:12 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86853.D Vial: 27
Acq On : 29 Jun 2014 11:45 pm Operator: ashleyd
Sample : op75898-msd Inst : MSP
Misc : op75898,ep3698,32.8,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:50 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration





(34) 2,6-Dichlorophenol

5.35min 41.65ppb m

response 73092

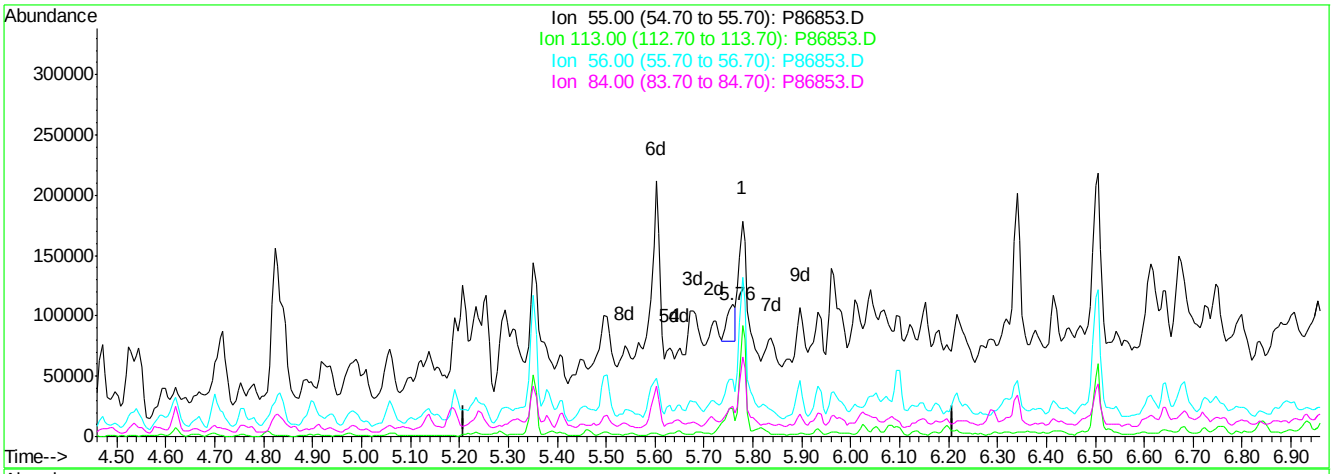
Ion	Exp%	Act%
162.00	100	100
164.00	64.80	69.00
98.00	24.50	40.84
0.00	0.00	0.00

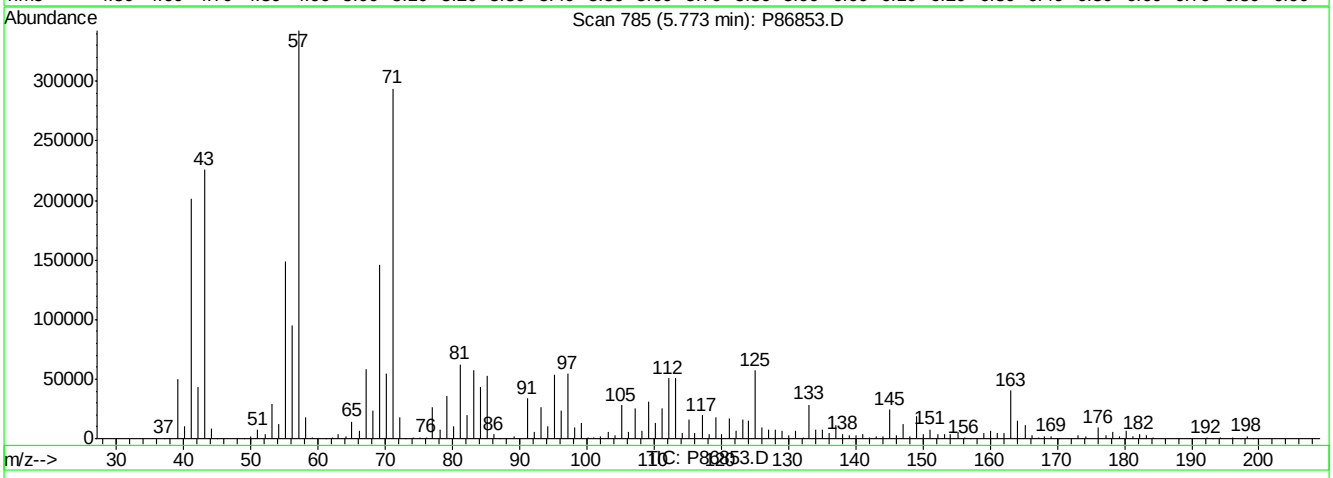
P86853.D MP3684.M Mon Jun 30 13:50:34 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86853.D Vial: 27
Acq On : 29 Jun 2014 11:45 pm Operator: ashleyd
Sample : op75898-msd Inst : MSP
Misc : op75898,ep3698,32.8,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 13:51 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration





(41) Caprolactam (t)

5.76min 37.47ppb m

response 36307

Ion	Exp%	Act%
55.00	100	100
113.00	82.80	21.19#
56.00	78.70	43.12#
84.00	46.40	22.55

P86853.D MP3684.M Mon Jun 30 13:51:10 2014

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105999.D
Acq On : 3 Jul 2014 7:00 pm
Operator : saumilp
Sample : op75936-ms
Misc : op75936,em4334,490
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 05 15:07:41 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.735	152	128162	40.00	ppb		0.00
24) Naphthalene-d8	5.884	136	481482	40.00	ppb		0.00
47) Acenaphthene-d10	8.240	164	303794	40.00	ppb		-0.01
69) Phenanthrene-d10	10.873	188	520350	40.00	ppb		0.00
83) Chrysene-d12	16.050	240	485444	40.00	ppb		-0.02
92) Perylene-d12	18.673	264	411885	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	4.735	152	128162	40.00	ppb		0.00
104) Acenaphthene-d10a	8.240	164	303794	40.00	ppb		-0.01
107) Chrysene-d12a	16.050	240	485444	40.00	ppb		-0.02
109) Naphthalene-d8a	5.884	136	481482	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.768	112	167593	36.69	ppb		0.00
Spiked Amount 50.000			Recovery = 73.38%				
8) Phenol-d5	4.479	99	206834	34.77	ppb		0.00
Spiked Amount 50.000			Recovery = 69.54%				
25) Nitrobenzene-d5	5.195	82	224442	44.97	ppb		0.00
Spiked Amount 50.000			Recovery = 89.94%				
51) 2-Fluorobiphenyl	7.225	172	451367	42.85	ppb		0.00
Spiked Amount 50.000			Recovery = 85.70%				
73) 2,4,6-Tribromophenol	9.607	330	57286	50.02	ppb		0.00
Spiked Amount 50.000			Recovery = 100.04%				
86) Terphenyl-d14	14.041	244	282147	25.93	ppb		-0.02
Spiked Amount 50.000			Recovery = 51.86%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.289	88	57355	24.83	ppb		93
3) Pyridine	2.625	79	20816	3.63	ppb		95
4) N-Nitrosodimethylamine	2.582	42	68236	32.93	ppb		95
6) Indene	4.944	116	364537	43.13	ppb		95
7) Cumene	4.137	105	444765	36.75	ppb		100
9) Phenol	4.489	94	219549	32.62	ppb		73
10) Aniline	4.489	93	128447	16.43	ppb	#	1
11) bis(2-Chloroethyl)ether	4.532	93	190399	40.91	ppb		98
12) 2-Chlorophenol	4.586	128	184553	36.70	ppb		98
13) Decane	4.612	43	120329	32.10	ppb		89
14) 1,3-Dichlorobenzene	4.692	146	179966	34.31	ppb		99
15) 1,4-Dichlorobenzene	4.751	146	185023	33.94	ppb		99
16) Benzyl alcohol	4.853	108	149443	43.72	ppb		99
17) 1,2-Dichlorobenzene	4.874	146	180064	35.64	ppb		98
18) Acetophenone	5.061	105	325204	45.83	ppb		93
19) 2-Methylphenol	4.949	108	180984	40.26	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.954	121	61598	41.65	ppb		97
21) 3&4-Methylphenol	5.072	108	194106	40.59	ppb		98
22) n-Nitroso-di-n-propyla...	5.061	70	150041	43.53	ppb		98
23) Hexachloroethane	5.152	201	66222	35.66	ppb		93
26) Nitrobenzene	5.211	77	237563	42.23	ppb		99
27) Quinoline	6.284	129	204467	20.10	ppb		99
28) Isophorone	5.424	82	408696	42.08	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105999.D
Acq On : 3 Jul 2014 7:00 pm
Operator : saumilp
Sample : op75936-ms
Misc : op75936,em4334,490
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 05 15:07:41 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.499	139	104965	41.31	ppb	91
30) 2,4-Dimethylphenol	5.547	107	201592	39.96	ppb	98
31) Benzoic acid	5.665	105	160117	48.10	ppb	89
32) bis(2-Chloroethoxy)met...	5.627	93	246246	44.54	ppb	97
33) 2,4-Dichlorophenol	5.745	162	165781	43.70	ppb	96
34) 2,6-Dichlorophenol	5.975	162	162734	42.45	ppb	96
36) 1,2,4-Trichlorobenzene	5.825	180	173686	38.74	ppb	96
38) Naphthalene	5.905	128	567922	38.36	ppb	100
39) 4-Chloroaniline	5.964	127	161628	24.95	ppb	98
40) 2,3-Dichloroaniline	7.102	161	218799	44.44	ppb	99
41) Caprolactam	6.370	55	62587	31.69	ppb	93
42) Hexachlorobutadiene	6.039	225	93621	36.37	ppb	99
43) 4-Chloro-3-methylphenol	6.552	107	193385	43.97	ppb	94
44) 2-Methylnaphthalene	6.717	141	338516	41.47	ppb	97
45) 1-Methylnaphthalene	6.851	142	435167	46.38	ppb	96
46) Dimethylnaphthalene	7.599	156	421153	49.75	ppb	96
48) Hexachlorocyclopentadiene	6.936	237	206516	79.92	ppb	98
49) 2,4,6-Trichlorophenol	7.112	196	130351	44.25	ppb	97
50) 2,4,5-Trichlorophenol	7.171	196	136951	42.90	ppb	98
52) 2-Chloronaphthalene	7.390	162	385811	39.02	ppb	99
53) Biphenyl	7.364	154	563528	45.31	ppb	98
54) 2-Nitroaniline	7.551	65	127465	47.16	ppb	89
55) Dimethylphthalate	7.850	163	469196	44.81	ppb	99
56) Acenaphthylene	8.010	152	541478	35.82	ppb	99
57) 2,6-Dinitrotoluene	7.935	165	111672	49.41	ppb	99
58) 3-Nitroaniline	8.197	138	93179	35.07	ppb	92
59) Acenaphthene	8.293	153	404496	43.14	ppb	96
60) 2,4-Dinitrophenol	8.384	184	144730	103.42	ppb	89
61) 4-Nitrophenol	8.555	109	61602	43.40	ppb	97
62) Dibenzofuran	8.587	168	590175	42.85	ppb	96
63) 2,4-Dinitrotoluene	8.603	165	147548	47.72	ppb	73
64) 2,3,4,6-Tetrachlorophenol	8.817	232	102606	42.03	ppb	97
65) Diethylphthalate	9.046	149	463011	45.44	ppb	98
66) Fluorene	9.169	166	481612	45.00	ppb	99
67) 4-Chlorophenyl-phenyle...	9.201	204	232711	44.82	ppb	100
68) 4-Nitroaniline	9.244	138	112778	41.06	ppb	99
70) 4,6-Dinitro-2-methylph...	9.319	198	88304	47.05	ppb	96
71) n-Nitrosodiphenylamine	9.420	169	257397	36.05	ppb	96
72) 1,2-Diphenylhydrazine	9.479	77	513652	44.47	ppb	98
74) 4-Bromophenyl-phenylether	10.077	248	116850	43.27	ppb	93
75) Hexachlorobenzene	10.174	284	117810	39.91	ppb	97
76) Pentachlorophenol	10.563	266	74326	41.41	ppb	96
77) Phenanthrene	10.916	178	679695	43.01	ppb	100
78) Anthracene	11.012	178	701647	44.63	ppb	99
79) Carbazole	11.359	167	668331	44.78	ppb	99
80) Di-n-butylphthalate	12.155	149	803847	48.76	ppb	99
81) Fluoranthene	13.208	202	761526	45.63	ppb	96
82) Octadecane	10.857	57	224255	42.72	ppb	95
84) Pyrene	13.635	202	791435	47.26	ppb	99
87) Butylbenzylphthalate	15.099	149	351588	52.00	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105999.D
Acq On : 3 Jul 2014 7:00 pm
Operator : saumilp
Sample : op75936-ms
Misc : op75936,em4334,490
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 05 15:07:41 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

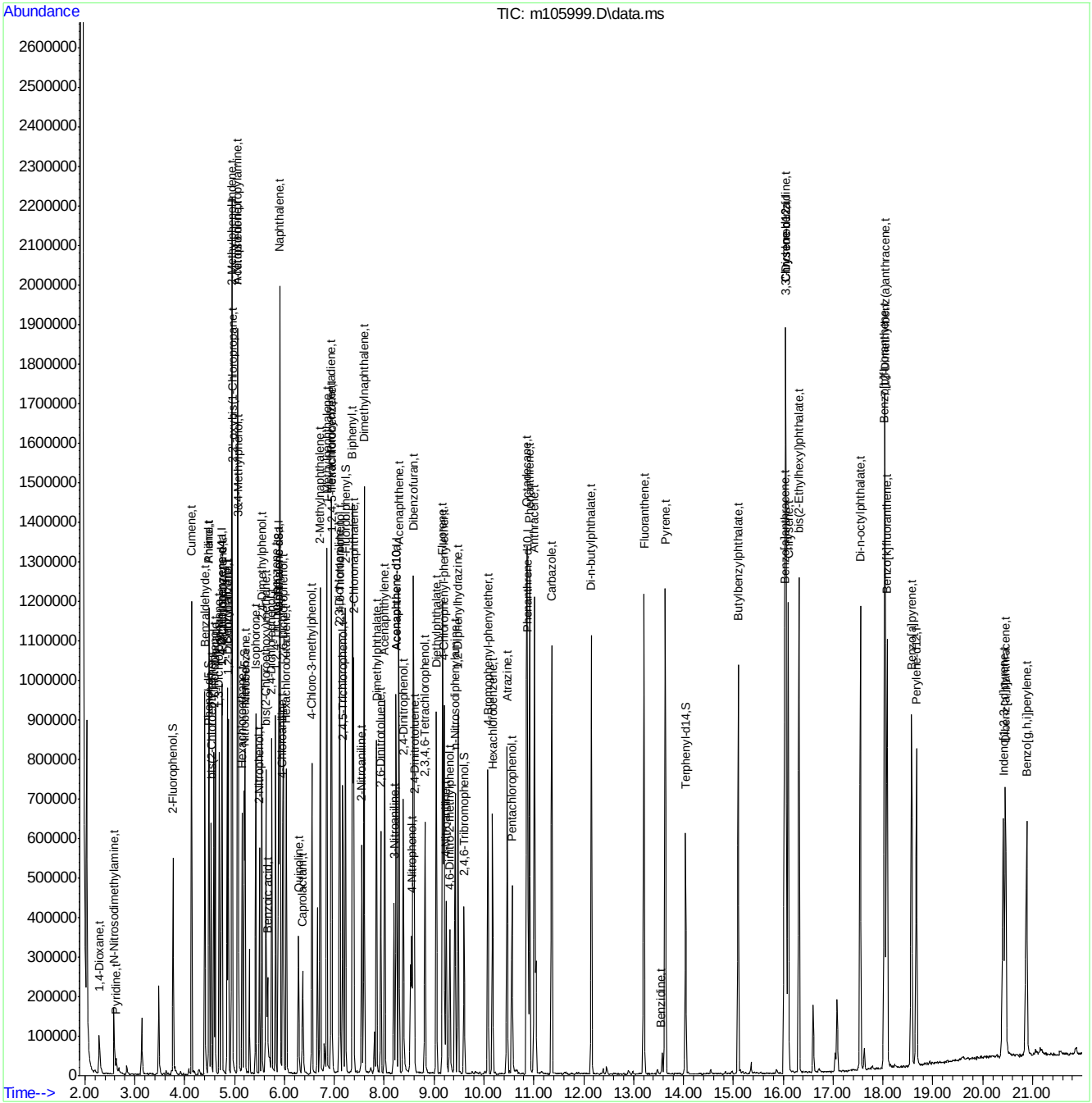
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	16.029	228	661194	43.88	ppb	99
89) 3,3'-Dichlorobenzidine	16.055	252	307289	61.23	ppb	97
90) Chrysene	16.103	228	646957	45.23	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.317	149	524916	58.07	ppb	97
93) Di-n-octylphthalate	17.546	149	844584	50.22	ppb	99
94) Benzo[b]fluoranthene	18.032	252	606939	41.55	ppb	97
95) Benzo[k]fluoranthene	18.085	252	570282	39.53	ppb	97
96) Benzo[a]pyrene	18.577	252	538766	42.12	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.414	276	455016	39.78	ppb	97
99) Dibenz[a,h]anthracene	20.457	278	477214	39.82	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.042	256	304547	45.86	ppb	99
101) Benzo[g,h,i]perylene	20.884	276	465293	40.25	ppb	97
103) Benzaldehyde	4.404	105	174204	49.59	ppb	90
105) 1,2,4,5-Tetrachloroben...	6.947	216	185439	40.22	ppb	99
106) Atrazine	10.467	215	86408	58.36	ppb	92
108) Benzidine	13.544	184	3634	0.50	ppb	84

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105999.D
Acq On : 3 Jul 2014 7:00 pm
Operator : saumilp
Sample : op75936-ms
Misc : op75936,em4334,490
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 05 15:07:41 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m106000.D
Acq On : 3 Jul 2014 7:29 pm
Operator : saumilp
Sample : op75936-msd
Misc : op75936,em4334,490
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 05 15:08:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.735	152	134855	40.00	ppb		0.00
24) Naphthalene-d8	5.884	136	490437	40.00	ppb		0.00
47) Acenaphthene-d10	8.240	164	305314	40.00	ppb		-0.01
69) Phenanthrene-d10	10.874	188	519949	40.00	ppb		0.00
83) Chrysene-d12	16.045	240	477597	40.00	ppb		-0.02
92) Perylene-d12	18.673	264	405369	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4a	4.735	152	134855	40.00	ppb		0.00
104) Acenaphthene-d10a	8.240	164	305314	40.00	ppb		-0.01
107) Chrysene-d12a	16.045	240	477597	40.00	ppb		-0.02
109) Naphthalene-d8a	5.884	136	490437	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.769	112	136921	28.49	ppb		0.00
Spiked Amount 50.000			Recovery = 56.98%				
8) Phenol-d5	4.479	99	165651	26.46	ppb		0.00
Spiked Amount 50.000			Recovery = 52.92%				
25) Nitrobenzene-d5	5.195	82	186108	36.61	ppb		0.00
Spiked Amount 50.000			Recovery = 73.22%				
51) 2-Fluorobiphenyl	7.220	172	378439	35.75	ppb		-0.01
Spiked Amount 50.000			Recovery = 71.50%				
73) 2,4,6-Tribromophenol	9.602	330	46314	40.47	ppb		-0.01
Spiked Amount 50.000			Recovery = 80.94%				
86) Terphenyl-d14	14.041	244	265486	24.80	ppb		-0.02
Spiked Amount 50.000			Recovery = 49.60%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.294	88	58893	24.23	ppb		91
3) Pyridine	2.631	79	10686	1.77	ppb		97
4) N-Nitrosodimethylamine	2.583	42	65028	29.83	ppb		99
6) Indene	4.944	116	308699	34.71	ppb		98
7) Cumene	4.137	105	375990	29.52	ppb		100
9) Phenol	4.490	94	175680	24.81	ppb		63
10) Aniline	4.490	93	141017	17.14	ppb	#	20
11) bis(2-Chloroethyl)ether	4.532	93	163551	33.40	ppb		99
12) 2-Chlorophenol	4.586	128	155401	29.37	ppb		100
13) Decane	4.613	43	104936	26.60	ppb		85
14) 1,3-Dichlorobenzene	4.693	146	146613	26.57	ppb		99
15) 1,4-Dichlorobenzene	4.752	146	147560	25.72	ppb		98
16) Benzyl alcohol	4.848	108	144755	40.25	ppb		97
17) 1,2-Dichlorobenzene	4.874	146	150039	28.22	ppb		98
18) Acetophenone	5.061	105	279159	37.39	ppb		95
19) 2-Methylphenol	4.949	108	156016	32.98	ppb		98
20) 2,2'-oxybis(1-Chloropr...	4.955	121	50613	32.52	ppb		93
21) 3&4-Methylphenol	5.072	108	166227	33.04	ppb		93
22) n-Nitroso-di-n-propyla...	5.061	70	128217	35.36	ppb		96
23) Hexachloroethane	5.152	201	54705	27.99	ppb		94
26) Nitrobenzene	5.211	77	198536	34.65	ppb		98
27) Quinoline	6.279	129	203763	19.66	ppb		98
28) Isophorone	5.419	82	339304	34.29	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m106000.D
Acq On : 3 Jul 2014 7:29 pm
Operator : saumilp
Sample : op75936-msd
Misc : op75936,em4334,490
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 05 15:08:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.499	139	87429	33.78	ppb	96
30) 2,4-Dimethylphenol	5.547	107	176059	34.26	ppb	98
31) Benzoic acid	5.660	105	123368	36.38	ppb	83
32) bis(2-Chloroethoxy)met...	5.622	93	207284	36.80	ppb	99
33) 2,4-Dichlorophenol	5.745	162	138445	35.83	ppb	95
34) 2,6-Dichlorophenol	5.975	162	134809	34.52	ppb	98
36) 1,2,4-Trichlorobenzene	5.825	180	140768	30.83	ppb	99
38) Naphthalene	5.905	128	461292	30.59	ppb	99
39) 4-Chloroaniline	5.964	127	188419	28.55	ppb	96
40) 2,3-Dichloroaniline	7.102	161	190108	37.91	ppb	97
41) Caprolactam	6.359	55	55444	27.56	ppb	98
42) Hexachlorobutadiene	6.039	225	75831	28.92	ppb	97
43) 4-Chloro-3-methylphenol	6.552	107	158737	35.43	ppb	98
44) 2-Methylnaphthalene	6.717	141	284340	34.20	ppb	96
45) 1-Methylnaphthalene	6.846	142	367227	38.42	ppb	99
46) Dimethylnaphthalene	7.599	156	349466	40.53	ppb	97
48) Hexachlorocyclopentadiene	6.936	237	173851	66.94	ppb	100
49) 2,4,6-Trichlorophenol	7.113	196	104087	35.16	ppb	96
50) 2,4,5-Trichlorophenol	7.171	196	111906	34.88	ppb	92
52) 2-Chloronaphthalene	7.385	162	312931	31.49	ppb	98
53) Biphenyl	7.364	154	477009	38.17	ppb	97
54) 2-Nitroaniline	7.551	65	104597	38.50	ppb	95
55) Dimethylphthalate	7.845	163	388224	36.89	ppb	99
56) Acenaphthylene	8.010	152	445765	29.34	ppb	99
57) 2,6-Dinitrotoluene	7.930	165	87195	38.39	ppb	98
58) 3-Nitroaniline	8.197	138	95046	35.60	ppb	91
59) Acenaphthene	8.293	153	331809	35.21	ppb	95
60) 2,4-Dinitrophenol	8.384	184	118398	86.59	ppb	86
61) 4-Nitrophenol	8.550	109	49323	34.58	ppb	97
62) Dibenzofuran	8.582	168	490395	35.43	ppb	97
63) 2,4-Dinitrotoluene	8.598	165	121330	39.05	ppb	79
64) 2,3,4,6-Tetrachlorophenol	8.817	232	85300	34.77	ppb	95
65) Diethylphthalate	9.047	149	384628	37.56	ppb	99
66) Fluorene	9.169	166	394461	36.67	ppb	99
67) 4-Chlorophenyl-phenyle...	9.196	204	192817	36.95	ppb	93
68) 4-Nitroaniline	9.239	138	98250	35.59	ppb	99
70) 4,6-Dinitro-2-methylph...	9.314	198	71343	38.04	ppb	99
71) n-Nitrosodiphenylamine	9.421	169	195184	27.36	ppb	96
72) 1,2-Diphenylhydrazine	9.479	77	421469	36.52	ppb	97
74) 4-Bromophenyl-phenylether	10.078	248	101689	37.69	ppb	93
75) Hexachlorobenzene	10.174	284	100134	33.95	ppb	97
76) Pentachlorophenol	10.558	266	61848	34.49	ppb	95
77) Phenanthrene	10.916	178	570581	36.14	ppb	99
78) Anthracene	11.012	178	591889	37.68	ppb	99
79) Carbazole	11.360	167	567486	38.06	ppb	98
80) Di-n-butylphthalate	12.156	149	689991	41.88	ppb	100
81) Fluoranthene	13.208	202	650111	38.98	ppb	98
82) Octadecane	10.852	57	175927	33.54	ppb	95
84) Pyrene	13.635	202	669593	40.64	ppb	100
87) Butylbenzylphthalate	15.099	149	299352	45.00	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m106000.D
Acq On : 3 Jul 2014 7:29 pm
Operator : saumilp
Sample : op75936-msd
Misc : op75936,em4334,490
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 05 15:08:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration

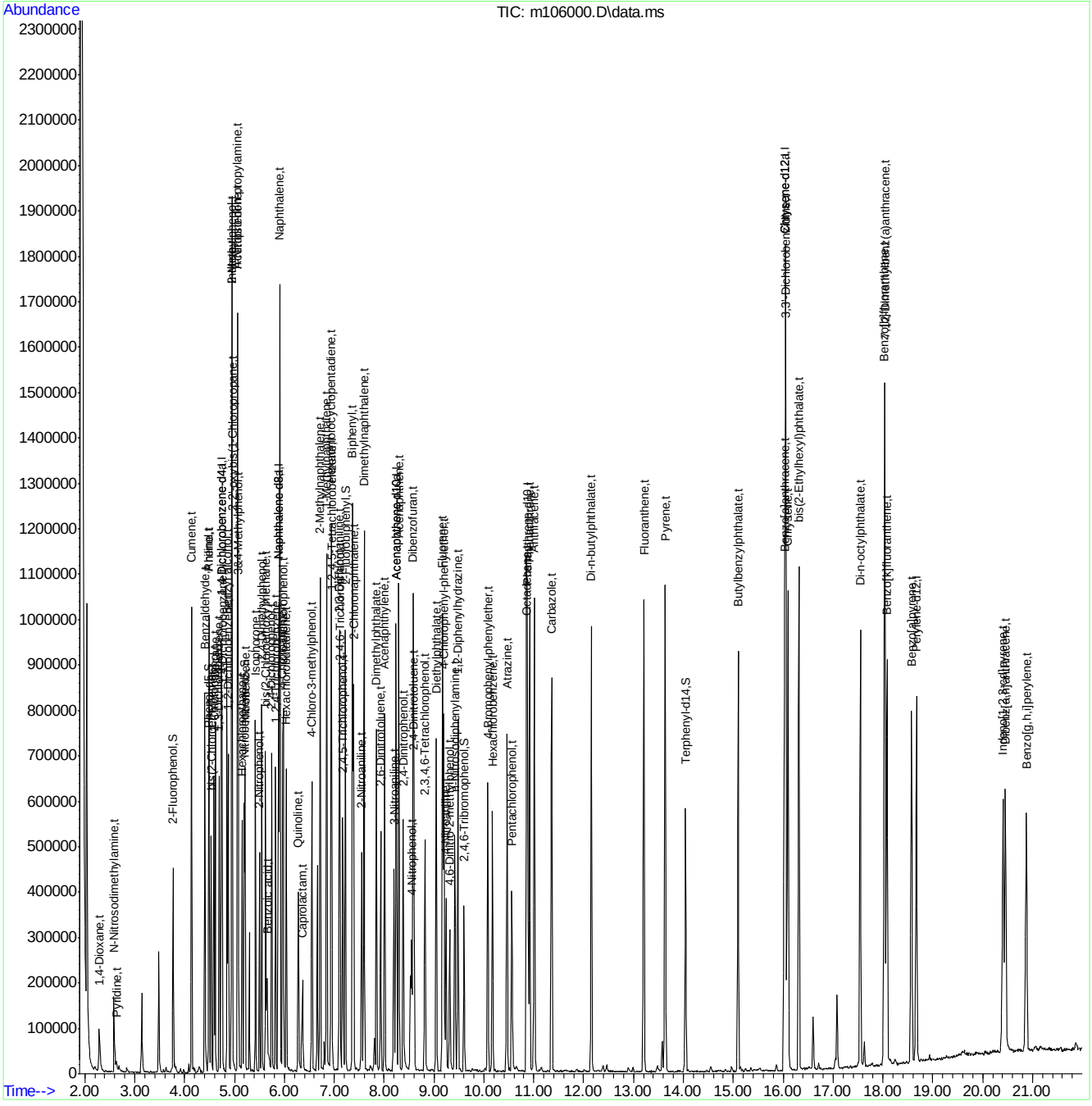
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo[a]anthracene	16.029	228	571098	38.52	ppb	99
89) 3,3'-Dichlorobenzidine	16.055	252	259406	52.54	ppb	99
90) Chrysene	16.098	228	559622	39.76	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.317	149	462930	52.06	ppb	96
93) Di-n-octylphthalate	17.546	149	713145	43.91	ppb	99
94) Benzo[b]fluoranthene	18.032	252	519122	36.11	ppb	97
95) Benzo[k]fluoranthene	18.080	252	501433	35.32	ppb	99
96) Benzo[a]pyrene	18.572	252	450701	35.80	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.409	276	389279	34.58	ppb	97
99) Dibenz[a,h]anthracene	20.457	278	403319	34.19	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.037	256	257805	39.45	ppb	94
101) Benzo[g,h,i]perylene	20.879	276	396923	34.89	ppb	98
103) Benzaldehyde	4.404	105	151031	40.86	ppb	88
105) 1,2,4,5-Tetrachloroben...	6.947	216	153901	33.21	ppb	99
106) Atrazine	10.468	215	73634	49.49	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m106000.D
Acq On : 3 Jul 2014 7:29 pm
Operator : saumilp
Sample : op75936-msd
Misc : op75936,em4334,490
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 05 15:08:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 11:00:44 2014
Response via : Initial Calibration



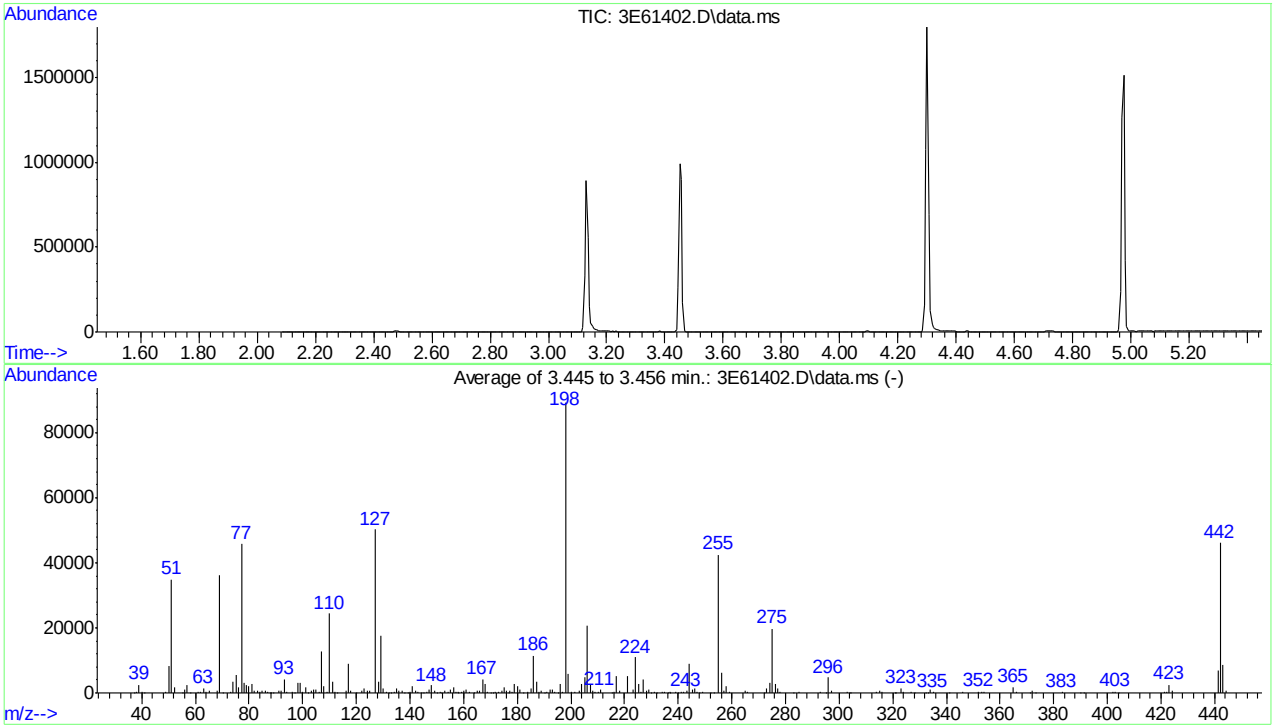
ACCUTEST LABORATORIES JB69926

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 255, 256, 257; Background Corrected with Scan 251

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.1	34890	PASS
68	69	0.00	2	1.6	573	PASS
69	198	0.00	100	40.6	36282	PASS
70	69	0.00	2	0.5	169	PASS
127	198	40	60	56.3	50290	PASS
197	198	0.00	1	0.2	210	PASS
198	198	100	100	100.0	89256	PASS
199	198	5	9	6.8	6029	PASS
275	198	10	30	22.2	19782	PASS
365	198	1	100	2.1	1874	PASS
441	443	0.10	100	77.5	6767	PASS
442	198	40	100	51.6	46063	PASS
443	442	17	23	19.0	8730	PASS

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	67	57.00	2481	74.00	3560	85.00	643
38.00	376	57.90	67	75.05	5577	86.00	865
39.05	2468	60.95	467	76.05	1904	87.00	307
40.00	211	62.00	503	77.10	45797	87.90	69
41.10	52	63.05	1420	78.10	3069	88.10	74
49.00	263	64.05	199	79.05	2470	88.90	60
50.10	8342	65.00	736	80.00	1974	91.05	614
51.10	34890	68.00	573	81.00	2844	92.00	723
52.05	1771	69.00	36282	82.00	783	93.00	4148
55.00	182	70.00	169	82.95	809	94.05	323
56.00	969	72.95	262	83.95	217	95.95	261

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	55	108.00	2084	123.00	1227	135.05	1381
98.05	3084	109.05	278	124.00	564	136.00	587
99.00	3023	110.10	24325	125.00	556	137.00	810
100.05	277	111.00	3474	127.10	50290	137.95	154
101.00	1669	112.05	443	128.10	3623	139.00	50
102.10	65	113.00	122	129.00	17613	140.05	196
103.00	530	116.00	689	130.00	1453	141.00	2201
104.00	1062	117.00	8955	131.00	316	142.05	708
105.00	928	118.00	731	132.05	161	142.95	479
106.00	316	120.05	170	132.95	127	144.00	63
107.05	12689	122.00	735	134.00	492	145.00	81

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
146.05	355	157.05	308	168.05	2773	178.00	252
147.00	1007	157.80	60	169.00	517	179.00	2873
148.00	2326	158.00	325	170.00	65	180.10	2169
149.05	532	159.00	234	171.00	165	181.00	1017
150.00	59	160.00	643	171.95	359	182.00	135
151.15	222	161.00	957	173.00	452	184.00	189
151.75	172	162.00	267	174.05	824	185.05	1496
153.00	613	164.00	72	175.05	1631	186.10	11498
154.00	479	165.00	760	176.05	562	187.10	3297
155.05	1135	166.00	615	176.90	116	188.00	355
156.10	1856	167.05	4269	177.05	695	189.00	618

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
189.95	107	201.50	452	216.10	377	229.95	155
191.00	278	203.00	592	217.00	5151	231.05	387
192.05	950	204.10	2833	218.00	650	232.00	50
193.10	1082	205.10	4733	221.05	5205	234.00	251
193.95	190	206.10	20670	223.00	1159	235.00	242
195.05	114	207.10	2903	224.10	11016	236.00	155
196.00	2680	208.10	702	225.10	2806	236.80	51
197.00	210	208.95	185	226.10	283	237.05	367
198.00	89256	210.10	194	227.10	4276	239.05	184
199.00	6029	211.00	892	228.05	565	240.05	108
200.05	499	215.00	173	229.05	967	241.05	267

Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
242.00	507	256.10	6248	277.05	1402	314.00	220
243.05	628	257.05	537	278.00	195	314.95	540
244.10	9120	258.00	2218	283.00	166	316.00	339
245.10	1173	259.00	337	285.10	281	320.90	59

dftpp3e.M Thu Jun 05 15:49:58 2014 MS3E

246.00	1448	265.00	845	293.00	319	321.10	111
247.00	288	265.90	189	294.90	50	323.05	1532
248.00	114	271.90	51	296.05	4724	324.00	312
248.95	274	273.05	1408	297.05	687	326.95	255
251.90	54	274.05	3250	302.95	501	328.05	136
253.05	151	275.10	19782	303.90	65	332.05	131
255.10	42462	276.10	2756	304.10	67	333.05	133

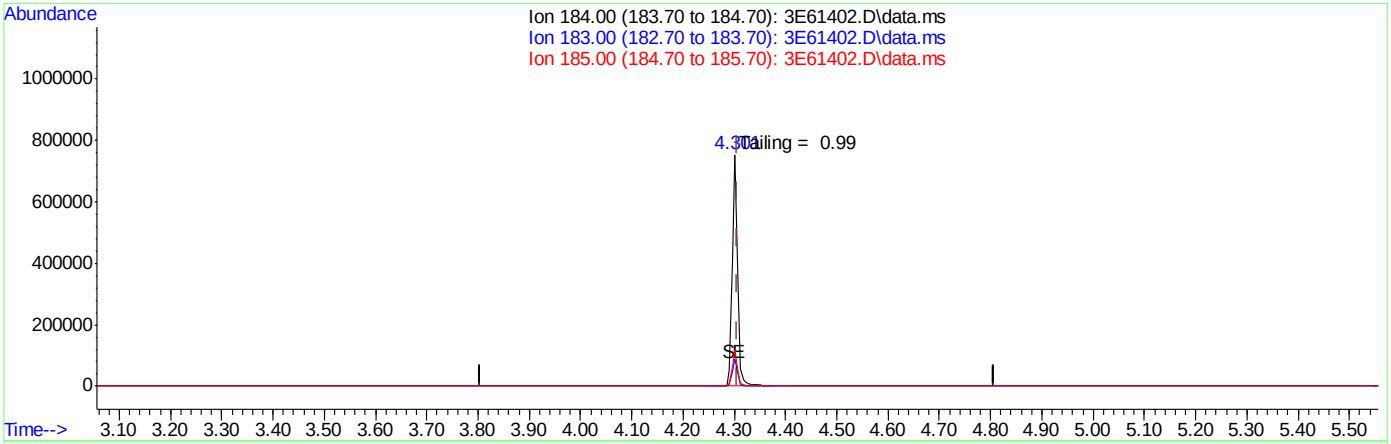
Average of 3.445 to 3.456 min.: 3E61402.D\data.ms
dftpp
Modified:subtracted

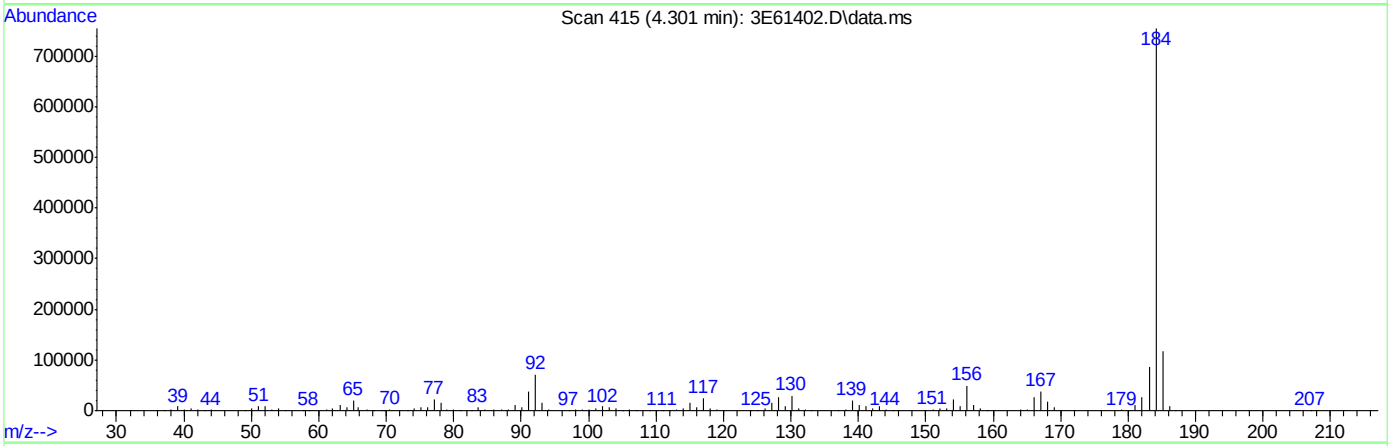
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.05	942	373.00	150	441.10	6767		
335.05	252	383.00	221	442.10	46063		
341.00	148	390.00	63	443.10	8730		
345.95	302	391.10	58	444.05	735		
352.05	500	402.00	293				
353.05	259	403.05	375				
354.00	475	404.00	78				
365.00	1874	421.05	304				
365.95	236	422.00	344				
371.00	115	423.10	2582				
372.05	695	424.05	559				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 21:49:59 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(2) Benzidine (t)

4.301min (-0.005) 51.07ppb

response 536260

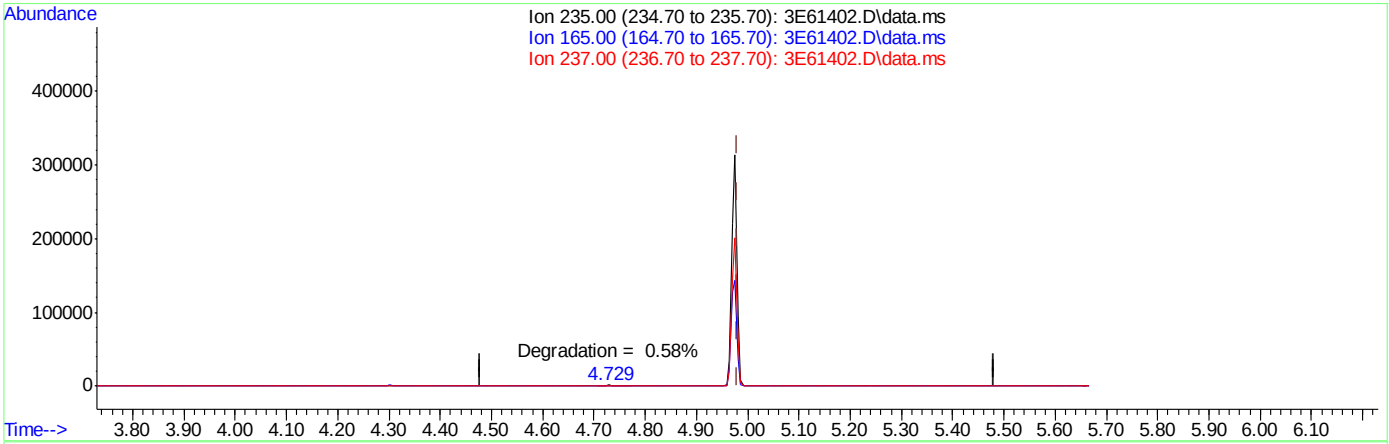
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.58
185.00	15.40	15.45
0.00	0.00	0.00

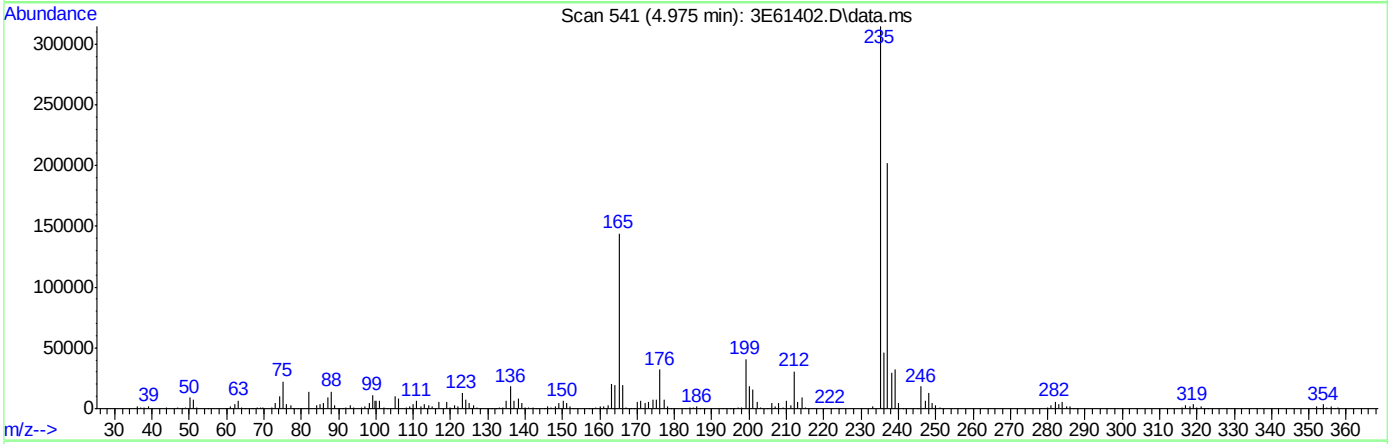
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 04 21:49:59 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(3) PP-DDT (t)

4.975min (-0.005) 52.25ppb

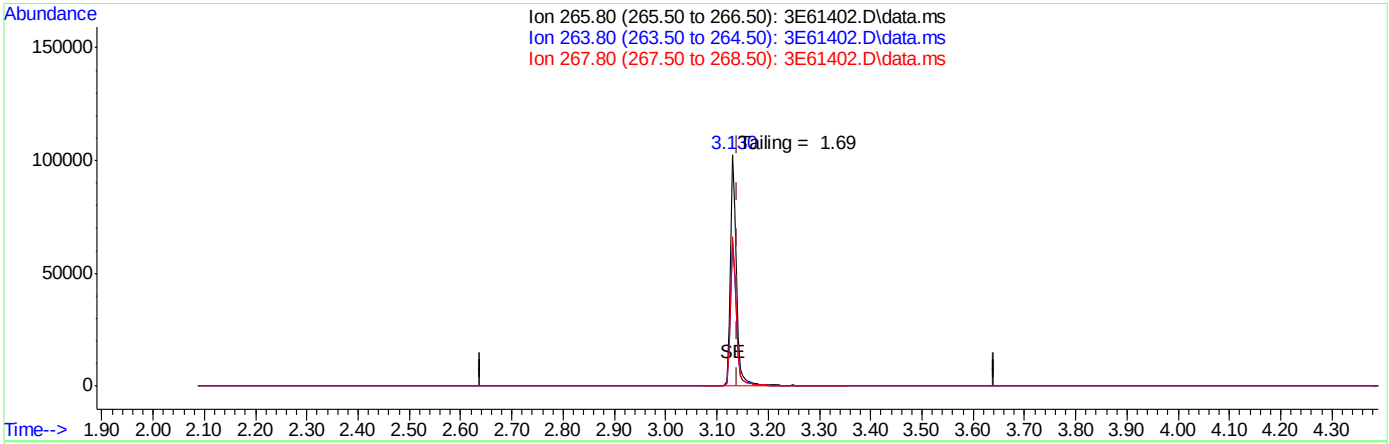
response 216914

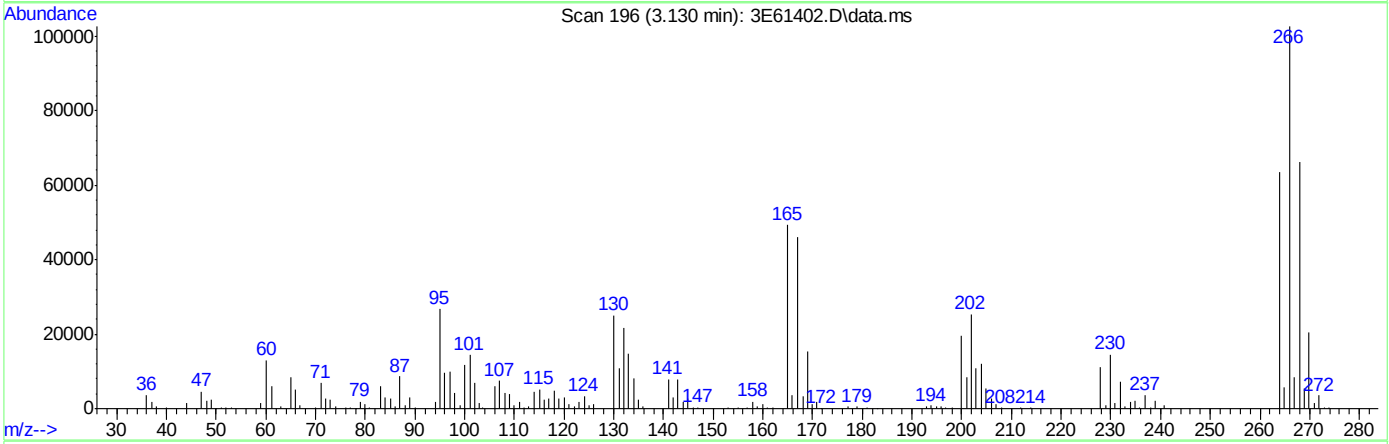
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	49.93#
237.00	0.10	64.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61402.D
Acq On : 4 Jun 2014 9:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2647,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 09:21:08 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61402.D\data.ms

(1) Pentachlorophenol (t)

3.130min (-0.010) 53.39ppb

response 83436

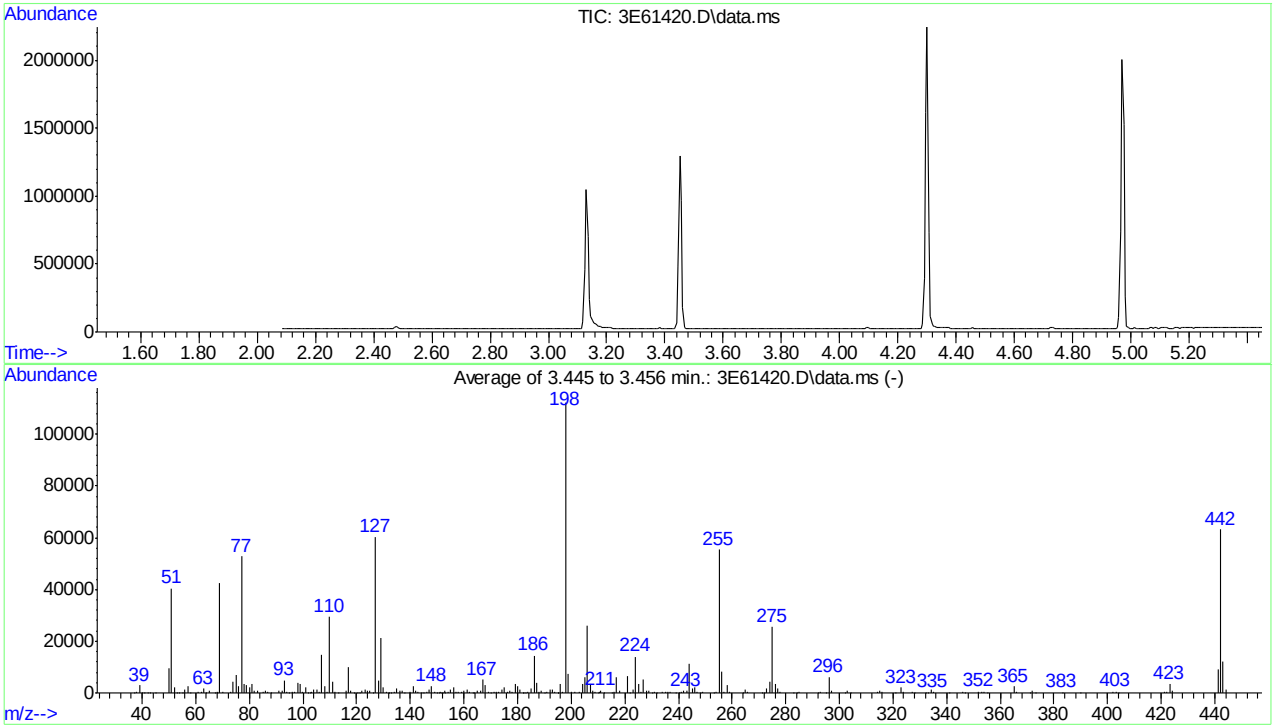
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.99
267.80	64.70	64.54
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
Last Update : Wed Jun 04 10:28:47 2014



AutoFind: Scans 255, 256, 257; Background Corrected with Scan 251

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.0	40405	PASS
68	69	0.00	2	1.4	583	PASS
69	198	0.00	100	37.8	42426	PASS
70	69	0.00	2	0.9	395	PASS
127	198	40	60	53.8	60445	PASS
197	198	0.00	1	0.5	543	PASS
198	198	100	100	100.0	112290	PASS
199	198	5	9	6.7	7568	PASS
275	198	10	30	22.6	25430	PASS
365	198	1	100	2.2	2418	PASS
441	443	0.10	100	77.1	9330	PASS
442	198	40	100	56.2	63104	PASS
443	442	17	23	19.2	12107	PASS

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.90	93	53.05	131	67.00	208	79.00	2857
38.00	456	54.00	52	67.90	158	80.00	2291
39.00	2832	55.00	158	68.10	583	81.00	3385
39.95	104	56.00	1108	69.00	42426	82.00	971
41.00	43	57.00	2818	70.00	395	83.00	898
42.00	53	58.00	82	73.00	268	84.95	603
43.05	10	61.05	555	74.00	4205	85.95	679
44.95	33	62.00	553	75.00	6773	87.00	505
50.05	9614	63.00	1710	76.10	2426	87.90	67
51.05	40405	64.00	226	77.10	52848	91.00	760
52.00	2238	65.00	888	78.10	3567	92.05	813

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	4972	103.05	461	116.00	780	127.05	60445
93.95	404	104.00	1138	117.05	10157	128.05	4675
94.95	63	105.00	1281	117.95	825	129.00	21255
96.05	360	106.00	388	119.00	68	130.00	1997
97.05	291	107.05	14966	120.05	209	131.00	385
98.00	3788	108.00	2587	121.00	62	131.80	59
99.00	3394	109.05	443	121.95	916	132.05	186
99.95	364	110.00	29328	123.00	1485	132.80	112
101.00	2172	111.05	4382	124.00	720	134.00	497
102.00	72	112.00	596	124.95	747	135.00	1787
102.80	132	112.95	144	126.05	178	136.00	715

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.05	1011	149.00	642	157.05	459	168.05	3001
137.90	174	150.00	146	157.95	425	168.95	484
140.00	262	150.90	59	159.05	420	170.05	165
141.00	2548	151.10	267	159.95	778	171.05	246
142.05	815	151.75	139	161.05	1171	172.00	480
143.00	608	152.00	117	162.00	283	173.05	577
143.90	166	152.90	159	163.10	61	174.10	1101
145.05	184	153.05	665	163.90	135	175.05	2010
146.00	438	154.00	604	165.00	946	176.05	598
147.00	1293	155.00	1463	166.05	760	177.00	830
148.00	2764	156.05	2324	167.05	5055	177.95	249

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
179.00	3668	188.95	876	199.00	7568	210.40	247
180.05	2645	189.90	65	200.00	549	211.05	1050
181.05	1302	191.00	382	201.45	609	212.00	74
181.90	60	192.00	1112	203.00	655	215.05	208
182.15	141	193.05	1217	204.10	3636	216.05	535
182.90	60	193.95	276	205.10	5954	217.00	6151
183.95	325	195.00	154	206.10	25868	218.00	918
185.10	1935	195.20	63	207.10	3397	221.05	6454
186.10	14505	196.00	3492	208.05	860	221.90	145
187.10	4079	196.85	543	209.05	301	223.05	1387
188.00	430	198.00	112290	210.10	70	224.10	13978

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
225.10	3519	237.00	449	249.05	380	271.00	75
226.00	374	239.00	192	253.00	208	271.95	126
227.00	5199	240.00	171	254.05	341	273.00	1860
228.00	721	241.00	304	255.10	55346	274.10	4442

dftpp3e.M Tue Jun 10 08:43:00 2014 MS3E

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229.00	1059	242.00	700	256.10	8186	275.10	25430
230.00	169	243.10	831	257.00	600	276.00	3368
231.00	474	244.10	11378	258.00	2836	277.00	1961
231.90	70	245.10	1542	259.10	491	278.00	287
233.95	297	246.00	1974	263.85	127	283.00	182
235.00	340	247.00	315	265.00	1144	284.05	141
236.00	253	248.00	137	265.90	334	285.05	340

Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
292.10	60	321.00	184	346.90	51	389.95	117
293.00	415	323.10	2100	352.00	589	402.00	386
295.00	105	324.00	324	353.05	471	403.00	547
296.00	6240	327.00	319	354.00	583	403.95	154
297.00	840	328.00	219	355.00	115	421.00	481
302.00	53	331.95	152	365.00	2418	422.05	372
303.05	802	333.00	176	366.00	358	423.10	3358
303.95	160	334.10	1238	371.00	142	424.05	740
314.00	290	335.05	318	372.05	981	441.05	9330
315.00	697	341.00	198	373.05	221	442.10	63104
316.05	373	346.00	435	382.95	206	443.10	12107

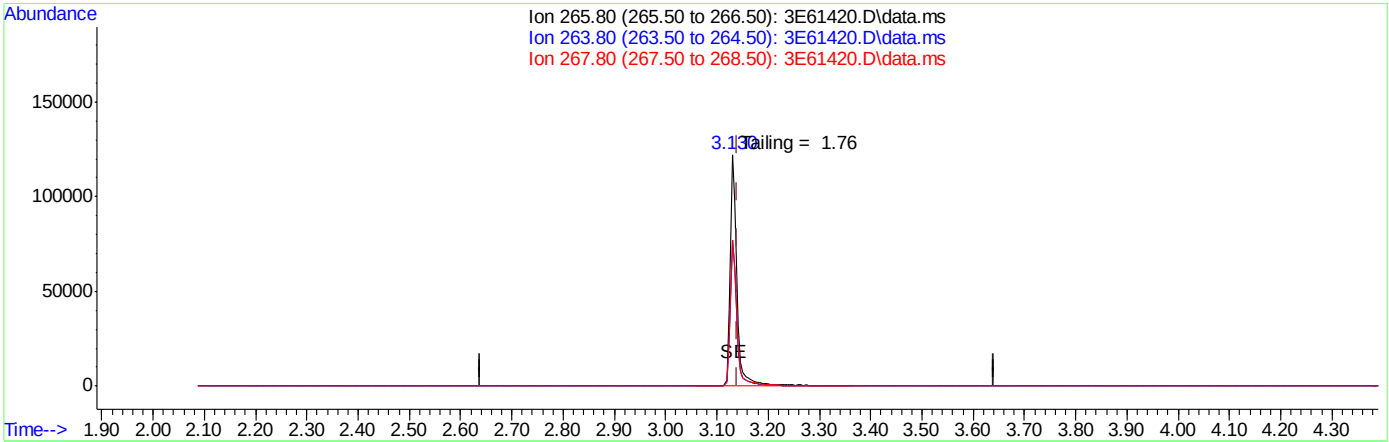
Average of 3.445 to 3.456 min.: 3E61420.D\data.ms
dftpp
Modified:subtracted

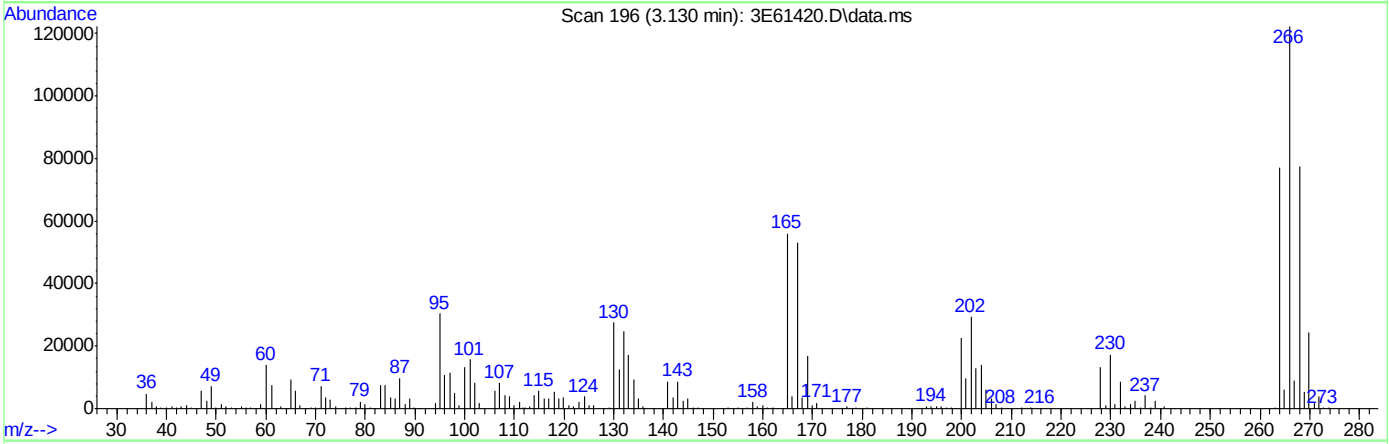
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.00	1101						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(1) Pentachlorophenol (t)

3.130min (-0.010) 71.06ppb

response 111059

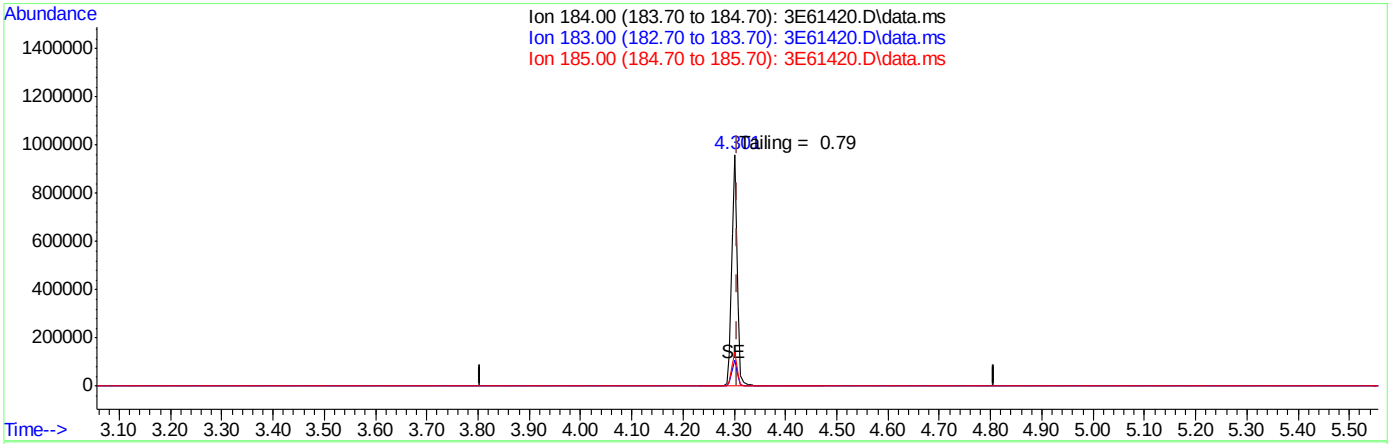
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.92
267.80	64.70	63.18
0.00	0.00	0.00

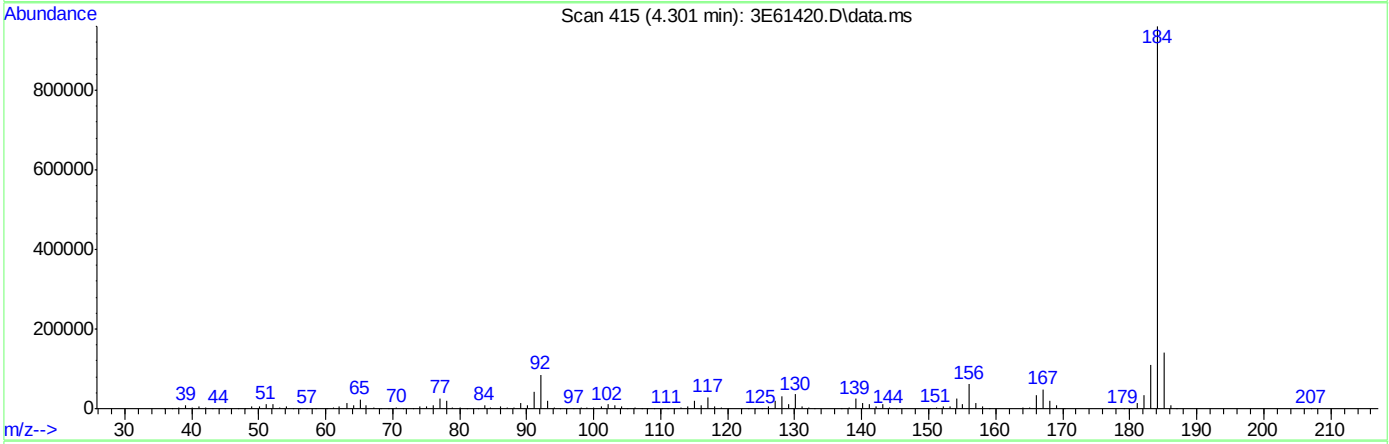
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(2) Benzidine (t)

4.301min (-0.005) 66.57ppb

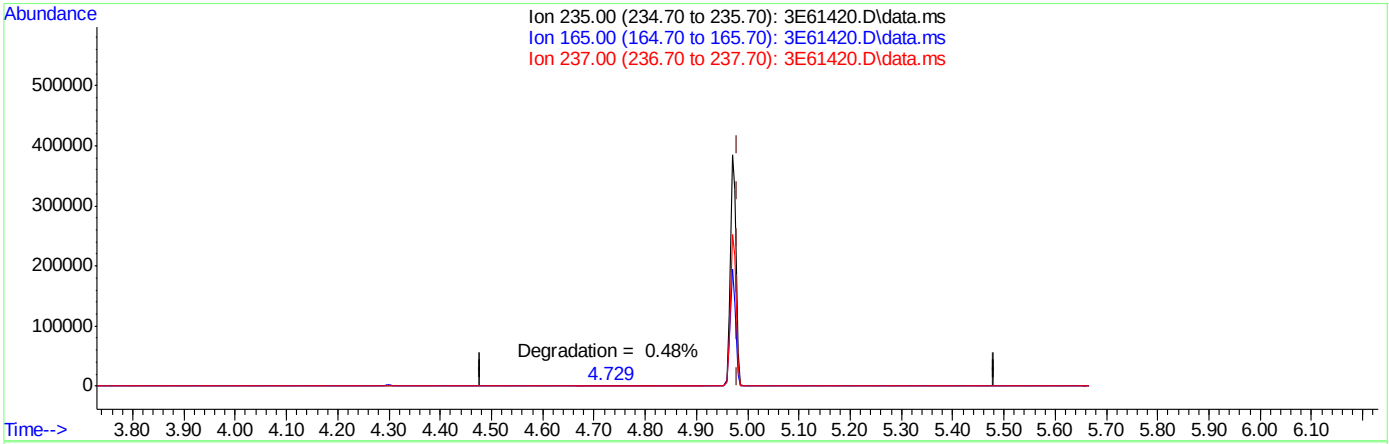
response 698996

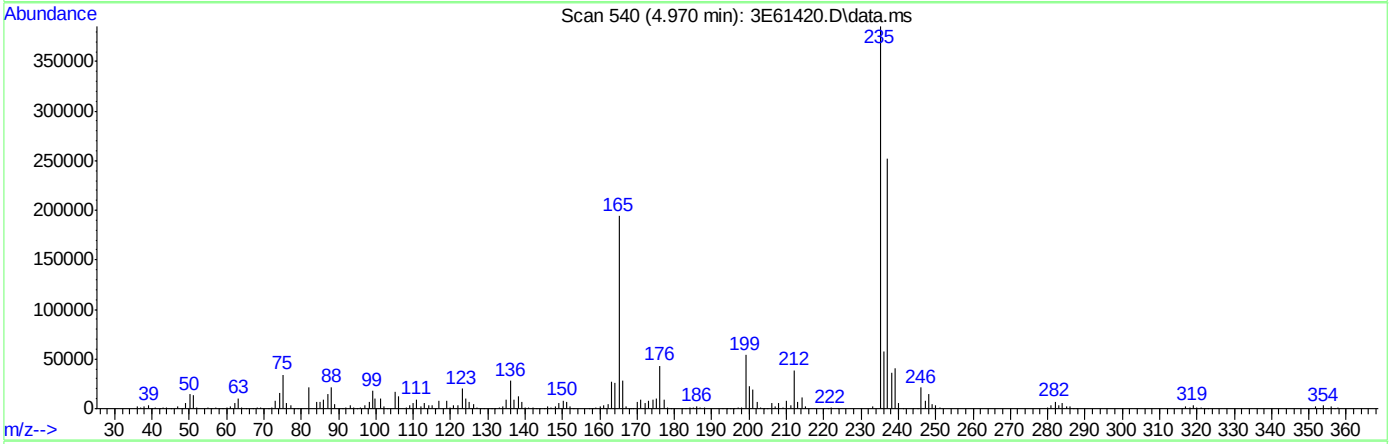
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	11.53
185.00	15.40	14.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61420.D
Acq On : 5 Jun 2014 12:24 pm
Operator : olgaa
Sample : dftpp
Misc : op74977,e3e2648,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 12:35:07 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatWed Jun 04 10:28:47 2014
QLast Update : Wed Jun 04 10:28:47 2014
Response via : Initial Calibration





TIC: 3E61420.D\data.ms

(3) PP-DDT (t)

4.970min (-0.010) 69.67ppb

response 289257

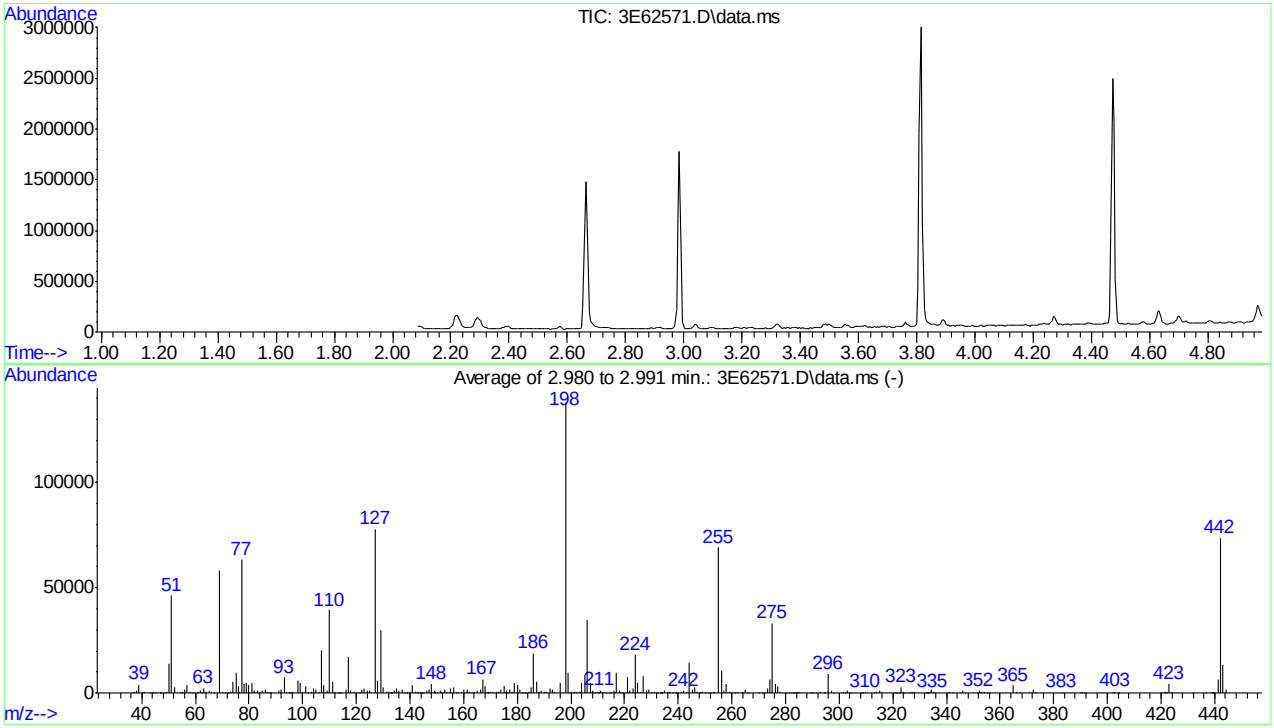
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	48.22#
237.00	0.10	65.53#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
Last Update : Fri Jun 27 13:34:21 2014



AutoFind: Scans 168, 169, 170; Background Corrected with Scan 163

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.4	46152	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.3	58366	PASS
70	69	0.00	2	0.8	451	PASS
127	198	40	60	56.4	77938	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	138122	PASS
199	198	5	9	6.9	9547	PASS
275	198	10	30	24.0	33120	PASS
365	198	1	100	2.6	3637	PASS
441	443	0.10	100	49.6	6637	PASS
442	198	40	100	53.4	73778	PASS
443	442	17	23	18.1	13390	PASS

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	444	48.30	74	61.15	816	72.10	94
38.10	860	49.15	576	62.00	852	73.00	354
39.05	3955	50.05	14144	62.20	75	73.20	358
39.90	225	51.05	46152	63.00	2234	74.10	5532
41.05	347	52.05	2611	64.00	358	75.05	9802
43.00	208	54.30	54	65.05	1041	76.10	3143
43.90	1	55.05	513	66.00	299	76.30	585
44.20	94	56.05	1791	67.00	59	77.10	63398
45.10	86	57.00	3664	69.00	58366	78.00	4486
46.60	56	58.00	477	70.00	451	78.95	4656
47.00	53	59.05	160	71.00	287	80.00	3838

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.05	4577	93.00	7218	104.00	2105	114.20	232
82.05	980	94.00	345	105.00	1756	116.10	1659
83.00	1122	95.00	80	106.20	306	116.95	17306
83.70	126	95.20	204	107.00	20332	118.00	1189
85.00	1080	96.15	376	108.00	3720	119.00	441
86.00	1493	98.00	6052	108.95	872	119.90	178
86.95	542	99.00	4762	110.00	39306	120.05	18
87.95	273	100.00	678	111.05	5485	121.10	252
88.20	139	101.00	2957	111.95	489	122.00	1671
91.00	1203	101.90	35	113.10	12	123.00	2331
92.00	1630	103.05	777	113.70	91	124.05	1198

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.00	873	135.00	2380	143.00	479	151.10	873
127.05	77938	136.00	840	143.90	247	151.85	438
128.05	6117	136.95	1357	144.20	96	152.95	1407
129.00	30136	137.95	229	144.60	86	153.90	808
130.05	2497	138.70	52	145.05	201	155.05	2159
131.05	371	139.05	294	146.05	911	156.10	2932
132.10	433	139.90	631	146.95	1809	157.15	285
132.80	240	140.95	3695	147.95	4116	157.95	733
133.00	244	141.90	642	149.00	839	159.05	795
133.20	129	142.10	412	149.20	190	160.00	1461
134.10	955	142.80	239	150.05	177	161.10	1464

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
161.95	518	169.90	318	179.00	5041	188.10	578
163.10	82	170.85	356	180.00	3894	189.00	1324
163.70	84	172.00	789	181.00	1711	189.95	311
164.00	17	172.90	569	181.80	194	191.00	698
165.00	1218	173.15	488	182.05	185	192.05	2185
166.15	1434	174.00	1487	182.90	61	193.05	1801
167.05	6523	175.10	3269	183.15	220	194.05	609
168.00	3307	175.95	1085	184.15	678	196.05	4577
168.80	87	176.20	258	185.00	2772	198.00	138122
169.05	595	177.05	1581	186.10	18910	199.00	9547
169.30	68	178.00	377	187.05	5333	200.00	400

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
200.20	374	208.95	265	218.00	1080	228.00	1135
200.95	255	209.90	311	218.20	213	229.10	1634
201.40	329	210.30	162	218.90	51	230.00	172
201.65	218	210.70	240	219.25	194	231.05	793

dftpp3e.M Fri Jun 27 13:55:46 2014 MS3E

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203.00	712	211.00	1110	221.05	7489	232.10	74
203.30	235	211.75	561	221.95	885	232.30	88
204.00	4846	213.10	108	223.05	2128	233.00	19
205.10	8489	214.30	50	224.05	18059	233.60	74
206.10	34826	214.90	100	225.00	4947	233.90	147
207.10	4871	216.05	1050	226.20	303	234.10	374
208.05	1328	217.00	9450	227.00	8014	235.00	829

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.95	378	245.10	1733	255.05	69232	265.00	1792
236.50	63	246.05	2899	256.10	10669	265.95	152
237.10	764	247.05	578	257.05	888	269.90	69
237.70	118	247.95	148	258.00	4181	271.00	153
238.90	143	248.20	89	259.10	656	272.00	128
239.10	276	249.05	619	259.80	82	273.10	2102
240.05	217	249.90	142	261.10	85	274.10	6249
241.00	470	251.00	264	261.80	66	275.05	33120
242.05	973	251.80	116	263.60	69	276.05	4302
243.05	794	253.05	330	263.85	139	277.05	2987
244.10	14163	253.40	118	264.10	118	278.05	377

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
280.00	50	291.30	72	304.35	122	321.30	118
281.05	156	293.10	726	307.80	112	322.00	71
282.10	117	294.00	137	308.30	54	322.40	154
282.70	96	294.60	52	309.00	91	323.05	2940
283.05	281	296.05	8960	309.85	115	324.00	529
283.80	50	296.95	1329	313.00	54	324.20	196
284.00	74	298.00	63	313.95	462	325.80	66
285.05	538	301.10	55	314.95	1104	326.85	611
289.00	63	302.15	160	316.05	656	327.30	221
289.80	60	303.05	1082	320.10	65	328.00	356
290.10	112	303.90	274	321.05	146	332.05	193

Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
332.80	88	351.30	50	371.05	485	403.90	127
333.10	70	352.10	1006	372.15	1446	404.15	215
333.25	212	352.90	114	373.05	242	419.90	56
333.90	440	353.05	404	383.05	217	421.10	647
334.10	1368	354.00	74	389.95	167	421.50	101
335.05	438	354.15	734	390.40	91	421.85	381
340.95	405	355.00	100	391.20	148	422.10	217
342.20	53	356.10	57	392.00	142	423.05	4132
345.10	53	365.00	3637	401.95	611	423.80	85
346.00	885	365.95	491	402.40	253	424.05	803
346.90	62	367.40	65	403.00	821	431.70	50

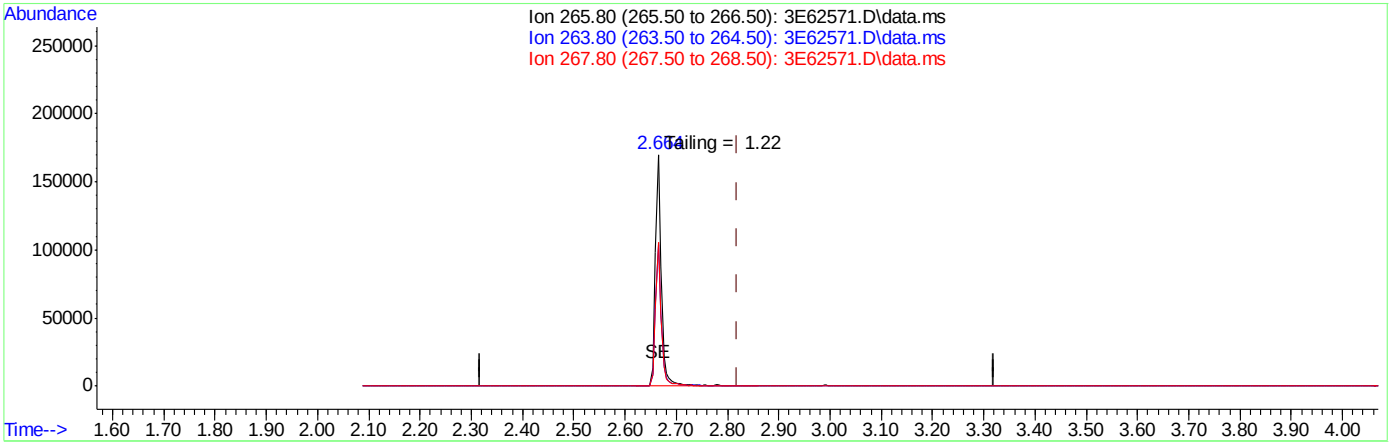
Average of 2.980 to 2.991 min.: 3E62571.D\data.ms
dftpp
Modified:subtracted

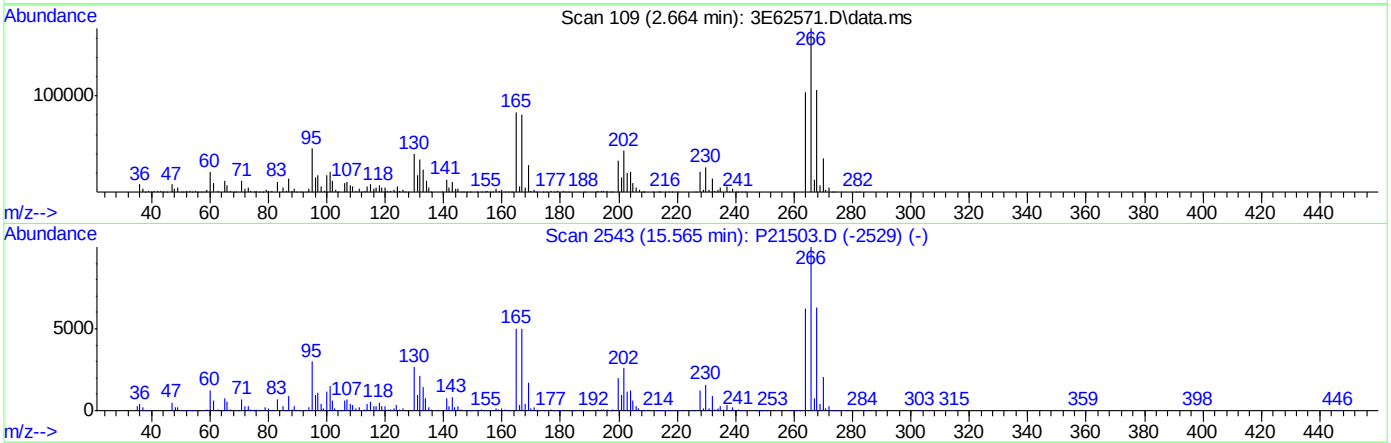
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
436.90	74						
438.60	101						
439.10	96						
439.40	71						
439.70	148						
441.20	6637						
442.10	73778						
443.10	13390						
444.05	1411						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:12:40 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62571.D\data.ms

(1) Pentachlorophenol (t)

2.664min (-0.155) 86.95ppb

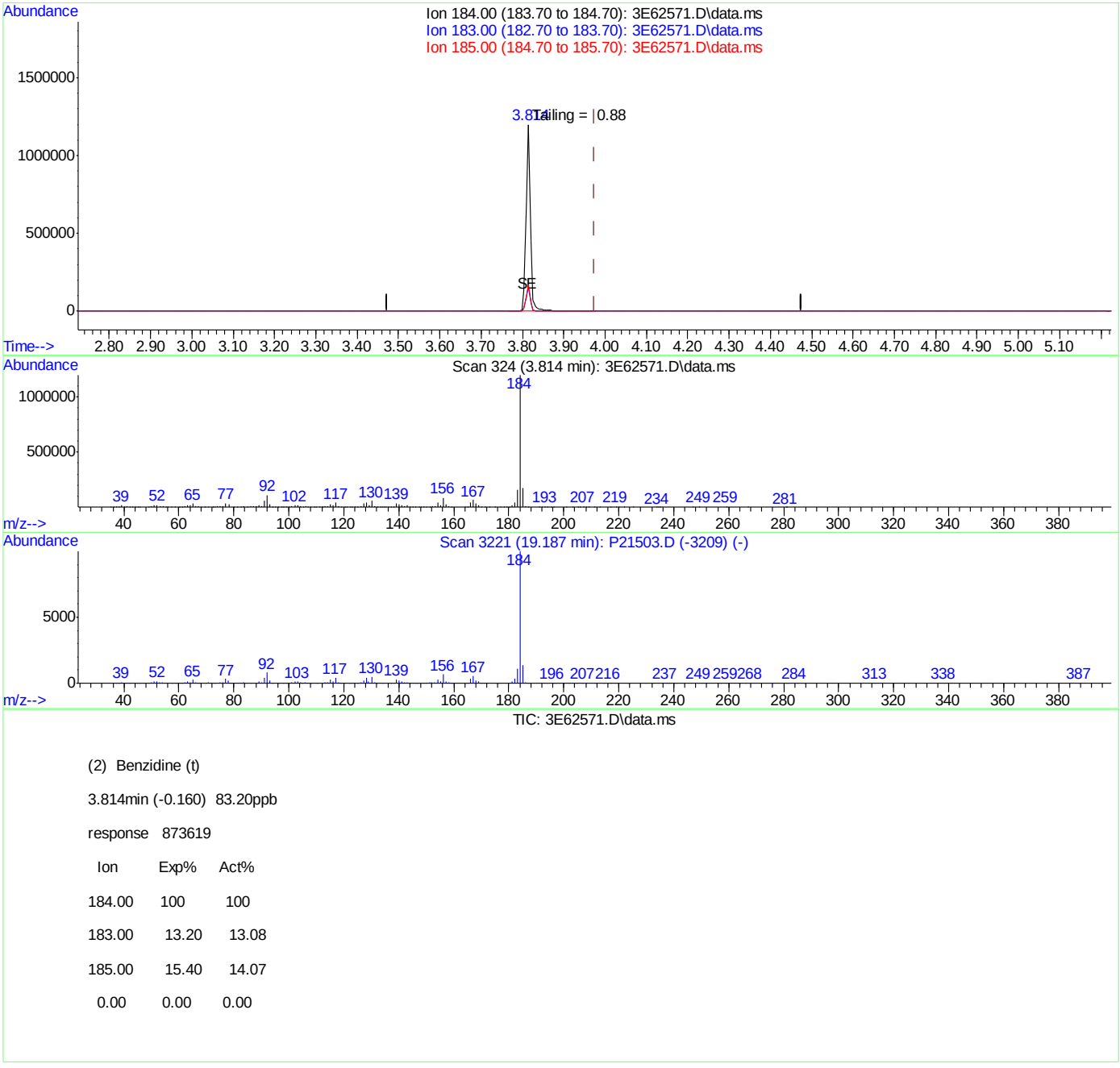
response 135891

Ion	Exp%	Act%
265.80	100	100
263.80	62.20	61.21
267.80	64.70	62.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:12:40 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration



TIC: 3E62571.D\data.ms

(2) Benzidine (t)

3.814min (-0.160) 83.20ppb

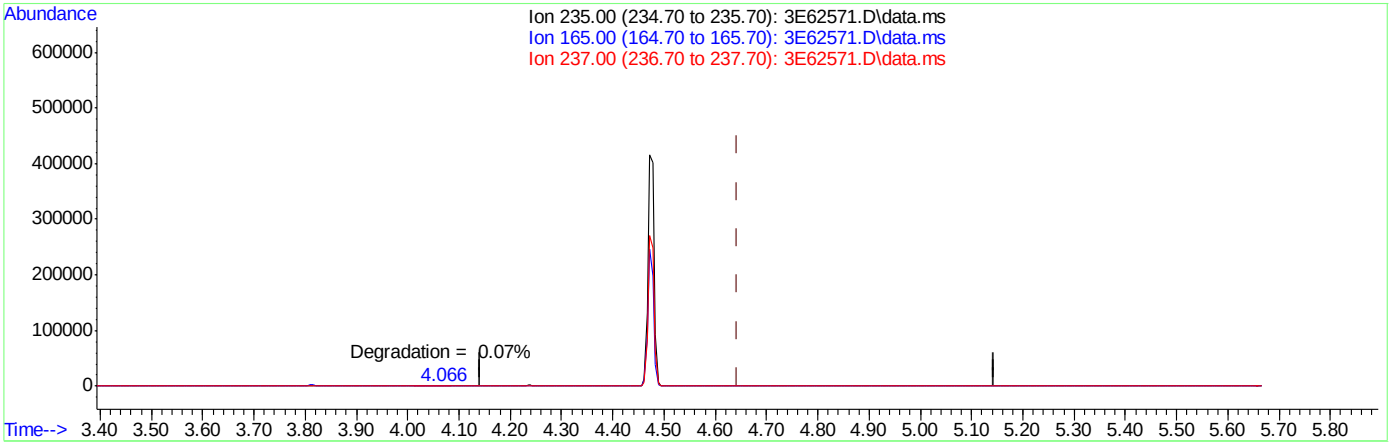
response 873619

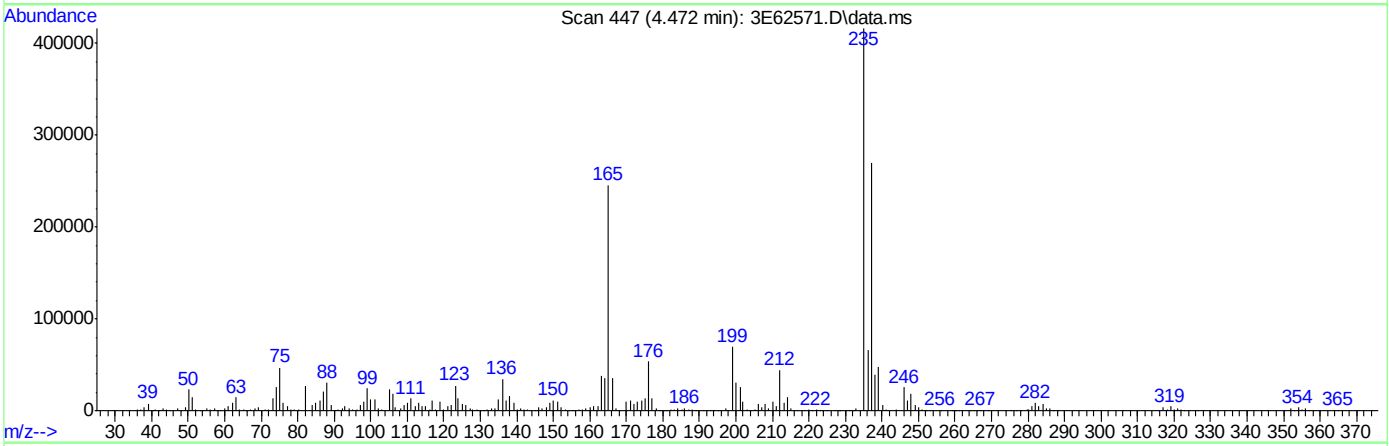
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	13.08
185.00	15.40	14.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62571.D
Acq On : 26 Jun 2014 7:46 pm
Operator : andrews1
Sample : dftpp
Misc : op75684,e3e2680,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 10:12:40 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62571.D\data.ms

(3) PP-DDT (t)

4.472min (-0.171) 82.31ppb

response 341704

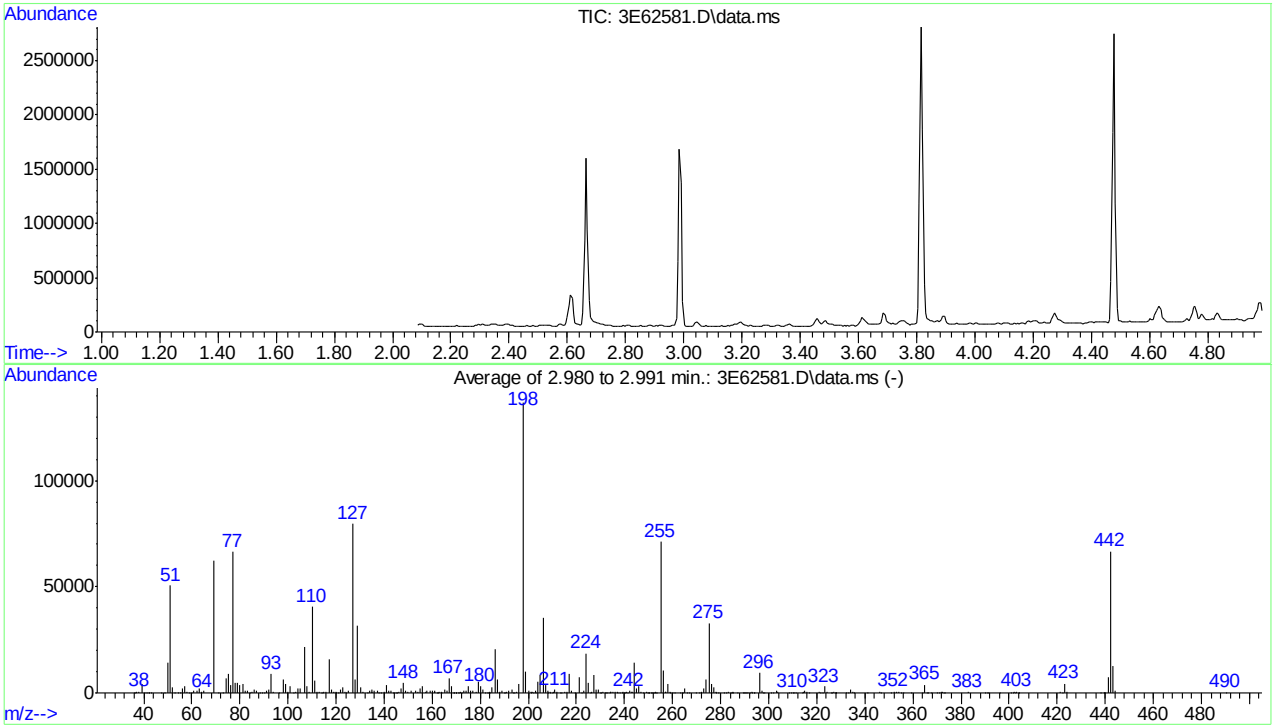
Ion	Exp%	Act%
235.00	100	100
165.00	0.10	55.09#
237.00	0.10	63.80#
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
Last Update : Fri Jun 27 13:34:21 2014



AutoFind: Scans 168, 169, 170; Background Corrected with Scan 164

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.0	50651	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.5	62183	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	58.2	79645	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	136781	PASS
199	198	5	9	7.2	9861	PASS
275	198	10	30	24.0	32766	PASS
365	198	1	100	2.7	3719	PASS
441	443	0.10	100	57.7	7442	PASS
442	198	40	100	48.7	66555	PASS
443	442	17	23	19.4	12887	PASS

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Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.80	80	48.60	61	60.00	273	76.10	3535
36.40	61	50.05	14185	60.95	862	77.05	66412
37.05	290	51.10	50651	62.05	1028	78.10	4548
38.05	710	52.00	2444	63.05	2371	79.05	4888
39.10	4426	52.95	10	64.10	315	80.00	3671
40.00	96	54.05	151	65.00	1107	81.05	4073
41.05	106	55.00	2	69.00	62183	82.05	1082
42.00	28	56.00	2044	71.05	86	83.05	1006
42.30	132	57.10	3329	73.05	255	84.10	191
43.05	166	57.95	526	74.10	7100	85.00	751
47.00	52	58.80	146	75.05	9207	86.05	1662

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.00	835	100.05	681	112.05	688	121.00	200
88.05	219	101.00	3007	112.90	417	122.05	1776
89.00	284	102.40	134	113.90	183	123.00	2447
90.30	121	103.00	668	114.15	231	123.90	541
91.05	1100	104.00	1900	115.05	478	124.10	286
92.05	1522	105.00	1901	116.00	562	125.05	947
93.05	8866	106.95	21504	117.00	16069	127.05	79645
94.05	590	108.00	3007	118.05	1402	128.05	6254
96.05	245	108.95	329	119.05	452	129.00	31506
98.00	6244	110.00	40451	119.95	345	130.00	2829
99.05	4465	111.00	5907	120.20	91	131.15	773

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
133.00	141	143.00	1052	153.00	1207	162.20	243
134.05	1032	143.90	100	154.00	624	163.05	427
134.90	758	144.05	163	155.05	2288	163.70	64
135.05	1754	144.95	271	156.05	3202	163.95	341
136.00	1146	145.20	126	157.05	795	165.05	1406
137.00	1296	146.05	736	157.90	880	166.00	1311
137.90	275	147.05	2235	159.10	839	167.05	6975
138.80	94	148.05	4687	160.05	1128	168.05	3143
140.00	551	148.95	893	160.90	430	168.90	235
141.05	3760	150.05	364	161.10	1020	169.05	232
141.90	1300	151.05	823	161.85	206	169.80	100

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
170.00	117	179.00	5128	188.05	768	198.00	136781
170.90	207	180.05	3308	189.00	1249	199.00	9861
171.10	23	181.05	1619	189.90	286	200.00	835
171.90	419	182.10	270	190.20	99	201.00	107
172.10	275	182.95	243	191.00	584	201.30	392
173.05	1103	183.20	113	192.00	1312	201.55	369
174.00	1342	183.80	70	193.05	1834	202.20	161
175.05	3177	184.00	530	193.80	159	202.85	69
176.10	1309	185.00	2918	194.10	78	203.05	1280
177.00	1342	186.05	20418	195.10	339	204.05	5070
178.10	408	187.10	6108	196.00	4011	205.05	8281

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.10	35569	213.90	54	226.00	72	233.80	111
207.00	3876	215.00	496	226.15	345	234.00	430
207.90	252	216.10	570	227.05	8460	234.30	297
208.05	1218	217.00	8880	227.95	1396	234.95	615

dftpp3e.M Fri Jun 27 13:56:35 2014 MS3E

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208.85	375	218.00	1222	229.05	1714	236.05	467
209.25	7	219.15	184	229.85	255	236.80	281
210.00	114	221.05	7381	230.10	98	237.15	538
210.40	336	221.95	172	231.05	790	238.00	138
211.05	1428	223.05	973	232.00	170	238.90	213
211.75	487	224.05	18668	232.20	74	239.15	327
213.15	183	225.05	4801	232.95	270	240.00	144

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
240.40	177	249.05	623	255.10	71112	264.20	100
240.95	381	249.60	66	256.05	10680	265.00	1987
241.30	132	250.00	65	256.95	496	265.90	87
242.05	917	250.30	72	257.20	428	266.95	14
242.95	608	250.95	109	258.05	4292	269.90	94
243.20	612	251.60	75	258.80	183	271.10	200
244.10	14449	252.00	144	259.05	551	272.15	320
245.05	1900	252.20	75	259.90	70	273.10	2112
246.00	3113	252.70	97	261.00	121	274.10	6319
246.95	563	253.10	370	263.20	68	275.10	32766
247.90	143	253.40	97	263.90	143	276.10	4507

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
277.00	2915	286.70	62	296.05	9336	310.40	60
278.00	352	289.20	126	297.05	1331	311.10	85
278.30	144	289.80	108	297.50	76	313.95	204
279.00	82	290.20	72	298.00	68	314.25	380
281.10	51	290.80	55	301.00	98	315.05	1022
282.25	130	291.00	62	301.85	160	316.00	440
283.10	311	292.20	99	303.10	1191	316.80	71
284.10	209	292.80	55	303.95	368	321.05	333
284.40	71	293.10	496	308.20	149	321.40	97
284.90	78	293.90	75	309.10	53	322.40	59
285.05	568	294.10	69	310.10	94	323.10	2973

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
324.10	453	335.30	182	363.70	61	382.95	459
326.00	64	341.05	211	365.00	3719	390.05	176
326.30	61	346.05	739	365.80	141	391.00	71
327.00	474	346.70	74	366.10	200	391.50	62
327.30	51	351.00	61	367.70	58	396.00	61
327.80	77	352.05	742	370.10	55	400.95	176
328.10	104	353.00	560	371.10	94	401.80	50
332.05	201	354.05	708	371.90	534	402.15	577
333.10	265	355.05	195	372.10	675	402.80	58
334.05	1655	355.80	53	372.85	225	403.10	764
335.00	312	359.10	56	373.30	172	404.00	117

Average of 2.980 to 2.991 min.: 3E62581.D\data.ms
dftpp
Modified:subtracted

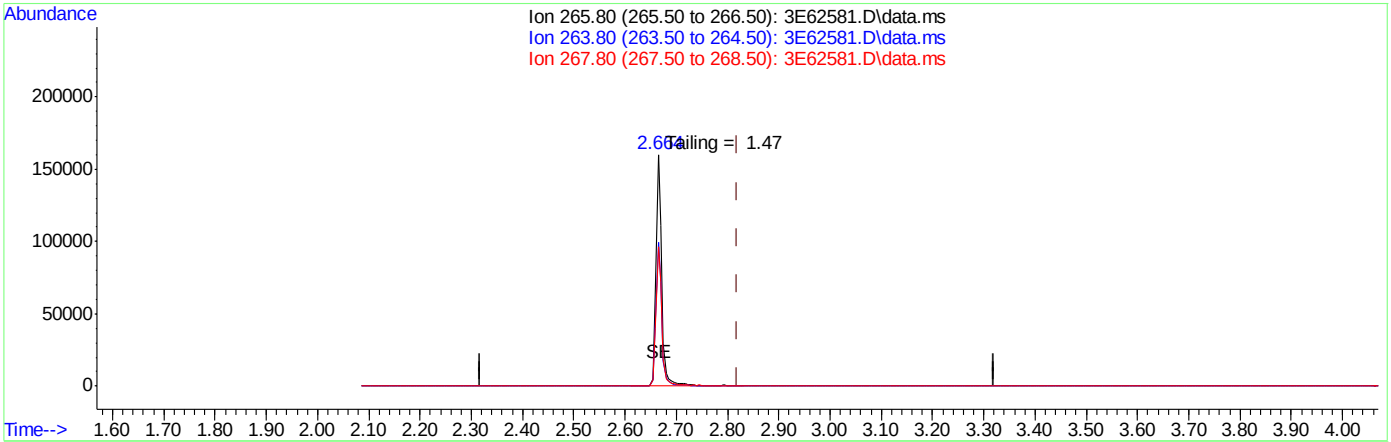
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
404.20	141	443.10	12887				
421.05	563	444.10	1251				
422.00	197	490.10	62				
423.10	4475						
424.15	720						
438.00	82						
439.20	135						
439.60	203						
439.90	165						
441.10	7442						
442.10	66555						

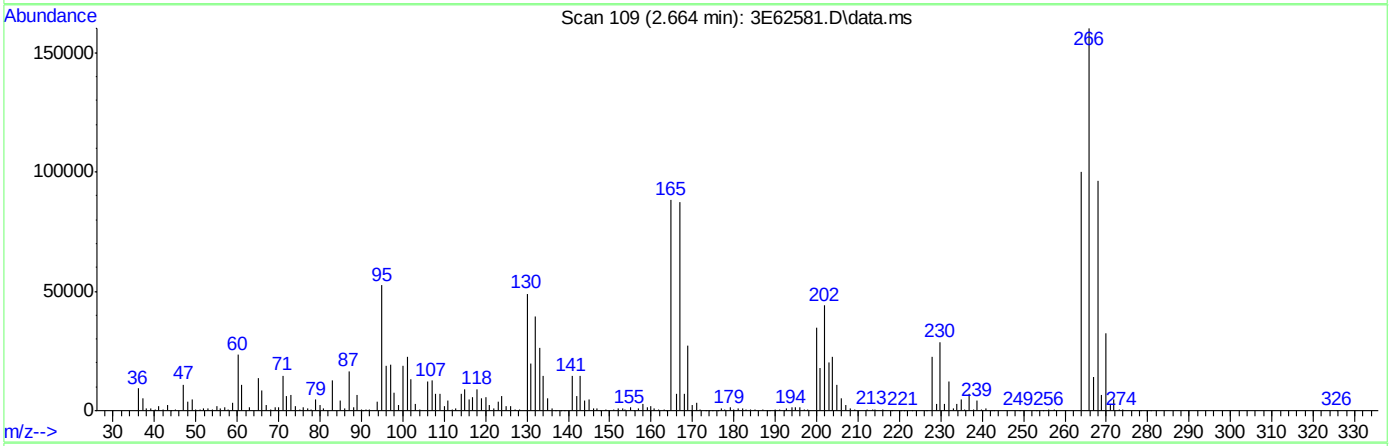
ACCUTEST LABORATORIES
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Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 11:28:46 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62581.D\data.ms

(1) Pentachlorophenol (t)

2.664min (-0.155) 82.37ppb

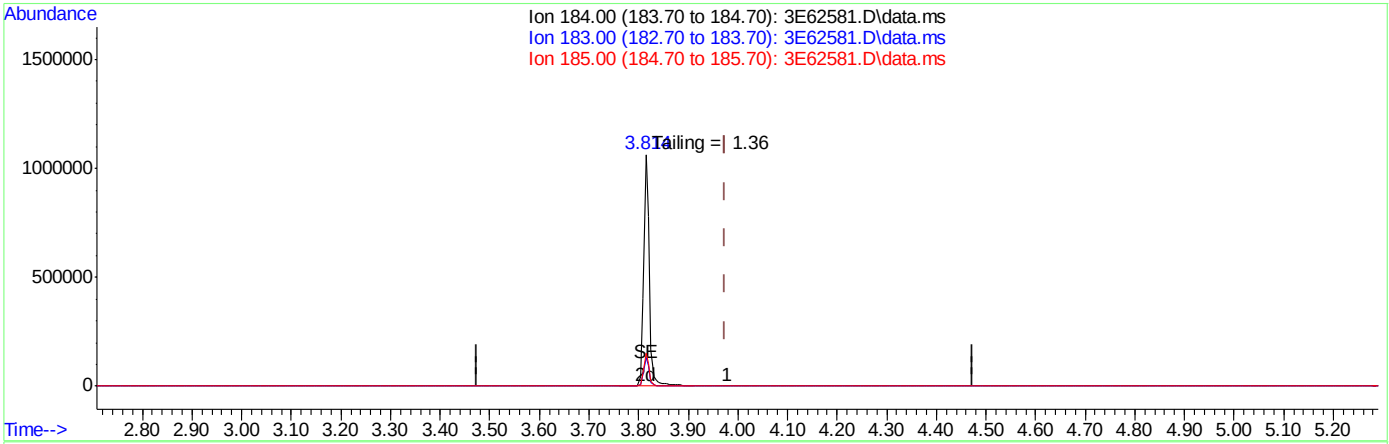
response 128723

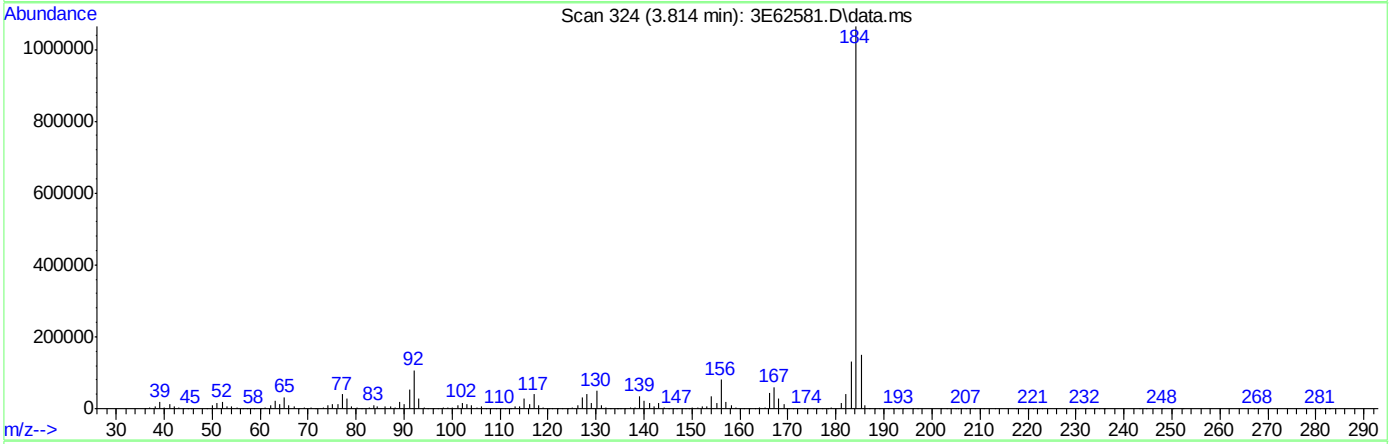
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	62.26
267.80	64.70	60.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 11:28:46 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62581.D\data.ms

(2) Benzidine (t)

3.814min (-0.161) 82.77ppb m

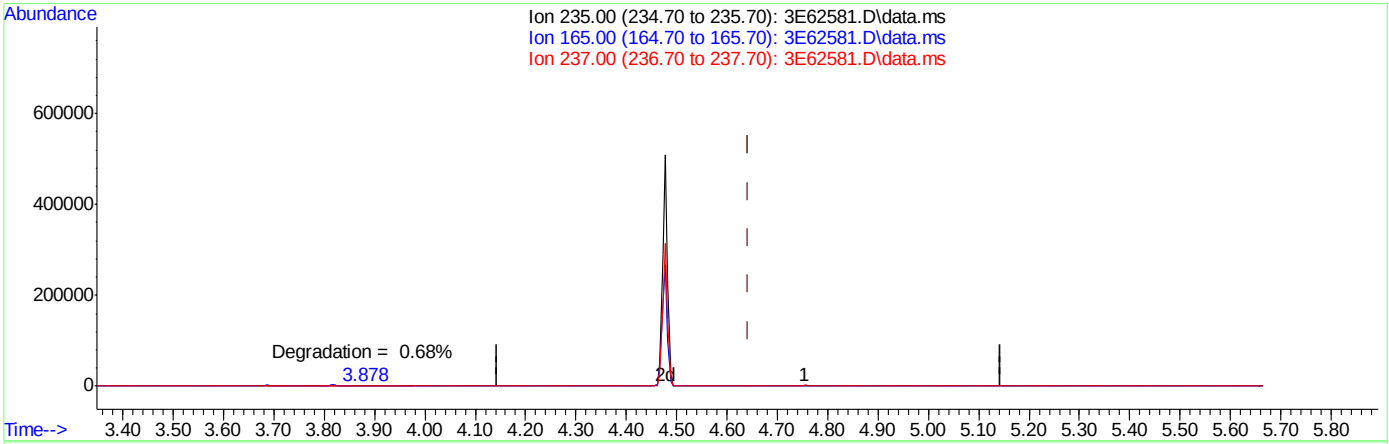
response 869118

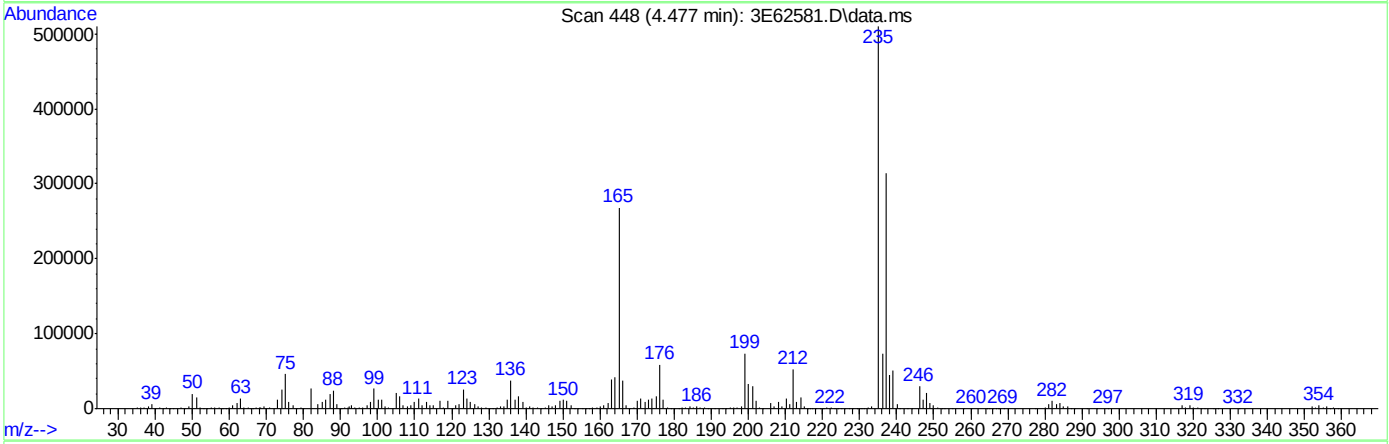
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.40
185.00	15.40	14.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62581.D
Acq On : 27 Jun 2014 9:18 am
Operator : saumilp
Sample : dftpp
Misc : op75684,e3e2681,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 11:28:46 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 13 14:27:24 2014
QLast Update : Fri Jun 13 14:27:24 2014
Response via : Initial Calibration





TIC: 3E62581.D\data.ms

(3) PP-DDT (t)

4.477min (-0.166) 87.20ppb m

response 362000

Ion	Exp%	Act%
235.00	100	100
165.00	0.10	0.00#
237.00	0.10	0.60#
0.00	0.00	0.00

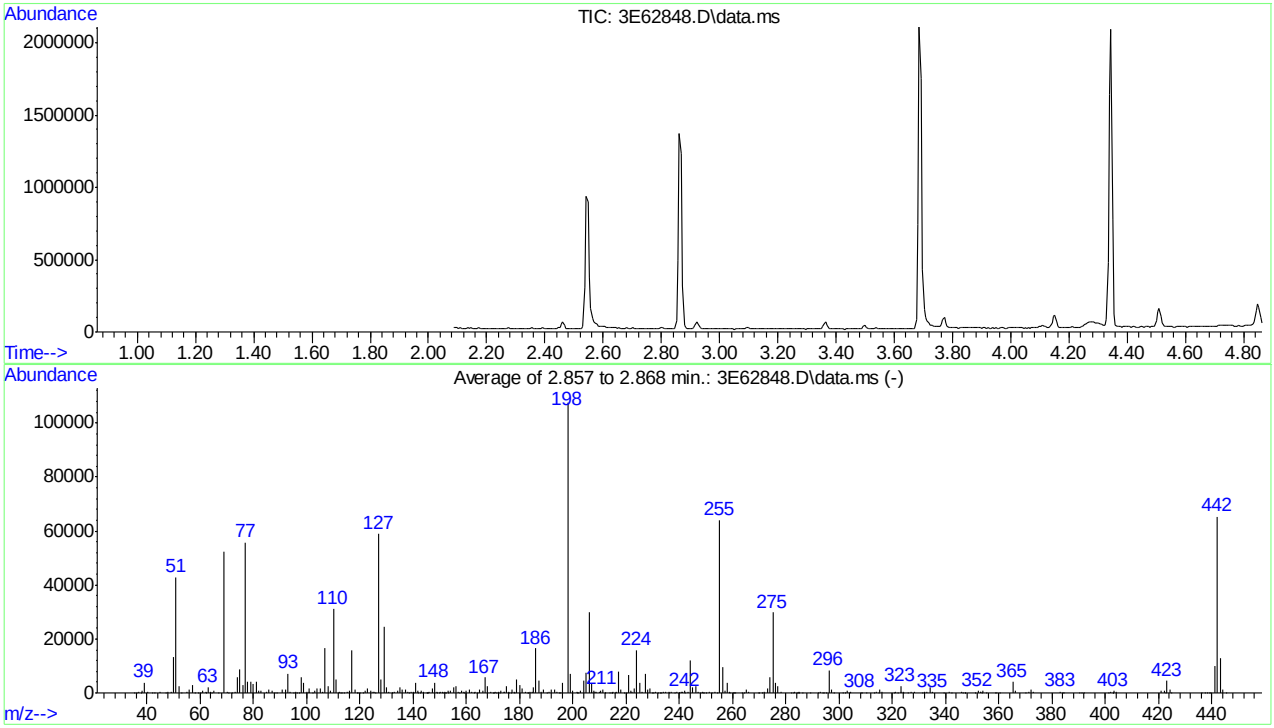
ACCUTEST LABORATORIES
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DFTPP

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62848.D
Acq On : 5 Jul 2014 8:23 am
Operator : harpreek
Sample : dftpp
Misc : op75684,e3e2692
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\dftpp3e.M
Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
Last Update : Fri Jun 27 13:34:21 2014



AutoFind: Scans 145, 146, 147; Background Corrected with Scan 139

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.8	42787	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.7	52414	PASS
70	69	0.00	2	0.6	306	PASS
127	198	40	60	54.7	58805	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	107581	PASS
199	198	5	9	6.7	7248	PASS
275	198	10	30	27.7	29817	PASS
365	198	1	100	3.8	4132	PASS
441	443	0.10	100	79.6	10136	PASS
442	198	40	100	60.8	65365	PASS
443	442	17	23	19.5	12740	PASS

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	126	47.95	349	60.00	99	70.80	72
35.95	176	49.00	297	61.05	691	71.70	114
37.00	531	50.05	13102	62.05	576	73.00	406
37.90	209	51.05	42787	62.30	135	74.05	5760
38.15	675	52.10	2518	63.05	2109	75.05	8641
39.05	3891	53.10	142	63.95	259	76.15	3114
40.20	252	55.10	260	64.20	68	77.10	55818
42.20	75	56.00	1187	65.05	781	78.00	4020
43.05	27	57.05	2868	67.05	2	79.00	4375
45.05	226	57.90	151	69.00	52414	80.05	3519
47.20	143	59.10	107	70.15	306	81.00	4312

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.00	828	95.05	194	104.05	1594	113.10	100
83.00	726	96.00	261	105.05	1567	114.10	59
85.05	588	96.20	170	105.80	352	115.05	299
85.95	1213	97.10	61	107.00	16474	115.90	342
87.00	883	98.05	5665	108.05	2583	116.20	661
87.90	150	99.00	3955	109.05	884	117.00	15804
88.85	123	100.00	429	110.00	31044	118.05	1080
90.95	1293	100.90	495	111.00	5071	118.90	105
92.00	1325	101.05	1872	111.90	68	119.10	134
93.00	7110	102.20	73	112.15	560	120.00	220
93.95	592	103.05	866	112.80	110	121.30	106

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.00	934	132.00	112	140.20	128	147.05	1856
123.00	1529	132.20	73	141.05	3689	147.95	3921
123.95	891	132.90	359	141.80	164	148.90	103
124.90	227	134.05	936	141.95	790	149.10	309
125.15	355	135.05	1939	142.50	177	149.90	59
125.80	84	135.95	1129	142.95	799	150.15	267
127.10	58805	137.05	1156	144.05	273	150.95	357
128.00	4972	137.95	286	144.95	197	151.20	89
129.00	24695	138.20	89	145.30	139	151.70	52
129.95	2000	139.15	265	145.60	63	151.95	257
130.95	518	139.95	259	146.05	566	152.20	108

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.00	903	161.05	1437	170.20	100	176.80	160
153.20	129	162.15	517	170.90	343	177.00	1123
154.00	681	162.90	69	171.20	107	177.90	161
155.05	2147	163.20	239	171.95	546	178.15	234
156.05	2643	164.20	117	172.50	57	179.00	4829
156.90	456	164.95	1155	173.00	733	180.10	2910
157.30	179	166.10	840	174.00	589	181.00	1724
158.00	648	167.00	5731	174.20	462	182.05	369
159.00	303	168.05	2576	175.05	2578	182.90	98
159.20	143	169.10	272	175.80	153	183.05	137
160.00	836	169.80	102	175.95	593	184.00	468

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.90	447	195.00	208	205.10	7457	212.20	104
185.10	2028	195.20	112	206.10	29787	213.90	54
186.10	16432	196.05	3664	206.90	360	214.40	128
187.10	4469	198.00	107581	207.10	3465	214.80	153

dftpp3e.M Sat Jul 05 14:25:54 2014 MS3E

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188.05	420	199.00	7248	207.90	700	215.10	226
189.10	1413	199.95	816	208.10	474	215.90	114
190.05	205	201.35	634	208.90	404	216.20	372
190.95	621	201.70	210	210.00	342	217.00	7840
192.00	1408	202.00	87	210.35	817	218.05	1084
193.05	1271	203.00	907	211.05	1393	219.30	103
194.00	400	204.10	4524	212.00	55	220.20	164

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
221.10	6461	230.15	194	239.20	282	247.05	512
221.90	724	231.00	598	239.70	71	247.80	143
222.10	410	232.00	66	239.90	111	248.60	139
223.05	1745	232.90	73	240.90	262	248.90	283
224.05	15984	233.20	82	241.15	235	249.10	203
225.05	3889	233.90	546	241.90	116	250.00	54
226.10	579	235.00	606	242.05	771	251.05	239
227.05	7060	235.90	286	243.10	503	252.10	161
228.00	1185	236.10	167	244.10	12048	253.15	455
228.95	1642	236.95	490	245.10	2015	254.00	217
229.80	125	238.20	107	246.05	2529	255.05	64045

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
256.10	9409	265.95	407	282.00	113	293.90	63
257.10	920	269.60	62	282.90	111	294.20	181
258.05	3933	269.80	50	283.05	305	294.90	85
258.80	54	270.90	72	283.95	156	296.05	8359
258.95	494	271.85	226	284.50	90	297.00	1295
259.90	75	273.00	1580	284.90	69	297.90	96
260.60	54	274.05	5885	285.10	500	301.10	64
260.85	135	275.10	29817	286.00	51	302.30	152
263.55	168	276.05	3768	289.10	56	303.05	953
264.10	69	277.05	2322	292.20	84	303.90	65
265.00	1400	278.00	486	292.95	596	304.15	352

Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
307.90	75	323.00	232	335.10	384	353.10	253
308.60	58	323.20	2497	339.10	60	353.40	145
310.00	68	323.90	74	341.10	296	354.10	764
313.00	92	324.10	505	342.00	66	355.25	157
314.05	340	325.90	65	345.90	431	358.60	73
314.60	81	327.05	423	346.20	68	359.10	73
315.00	1099	328.05	238	347.00	53	360.20	58
316.05	574	331.00	71	347.30	50	365.10	4132
320.70	73	332.00	241	351.00	51	365.95	724
321.15	294	332.85	312	352.05	686	370.00	83
322.00	56	334.10	2002	352.90	327	371.10	310

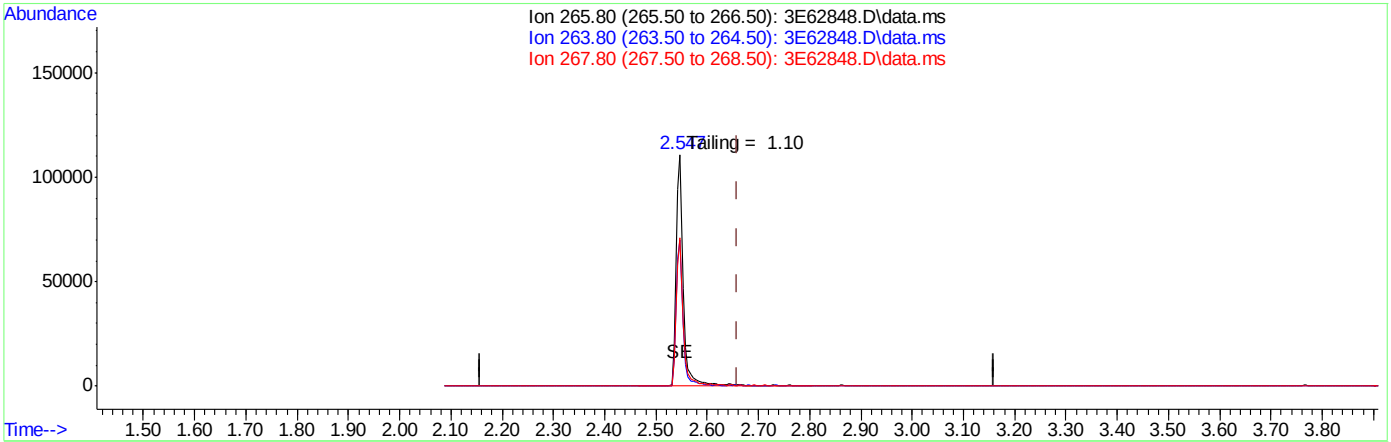
Average of 2.857 to 2.868 min.: 3E62848.D\data.ms
dftpp
Modified:subtracted

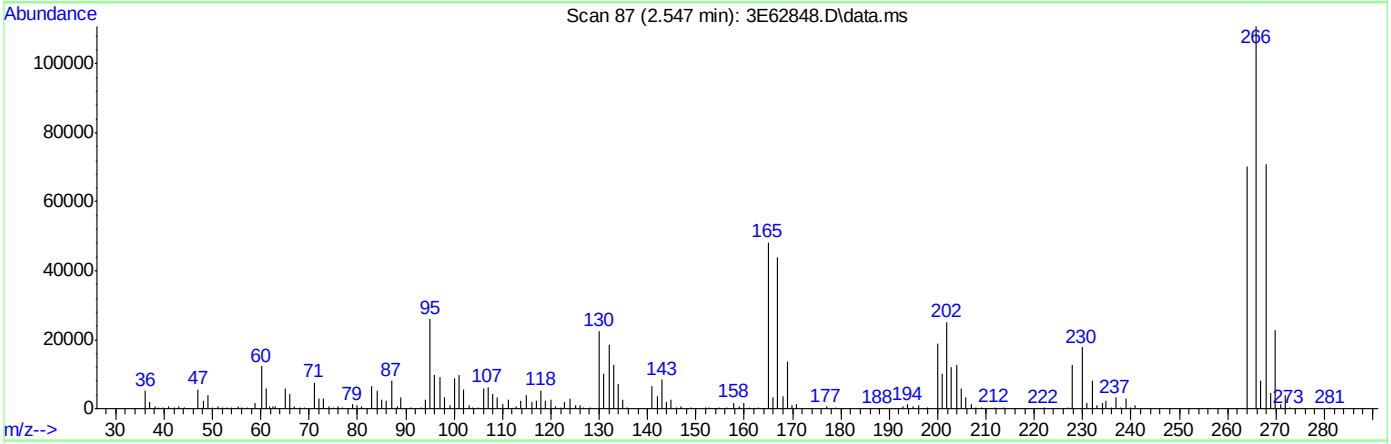
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
372.15	1090	402.90	88	438.20	109		
372.95	289	403.15	734	438.90	90		
383.00	554	404.00	292	439.50	60		
383.90	59	421.05	711	441.10	10136		
384.10	57	422.00	808	442.10	65365		
390.10	98	422.60	100	443.10	12740		
391.10	52	423.10	4544	444.15	1291		
391.80	51	424.10	1097	445.10	50		
401.05	121	424.80	69				
401.85	479	436.10	56				
402.60	204	437.40	90				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62848.D
Acq On : 5 Jul 2014 8:23 am
Operator : harpreek
Sample : dftpp
Misc : op75684,e3e2692
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 08:31:25 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
QLast Update : Fri Jun 27 13:34:21 2014
Response via : Initial Calibration





TIC: 3E62848.D\data.ms

(1) Pentachlorophenol (t)

2.547min (-0.112) 66.86ppb

response 104495

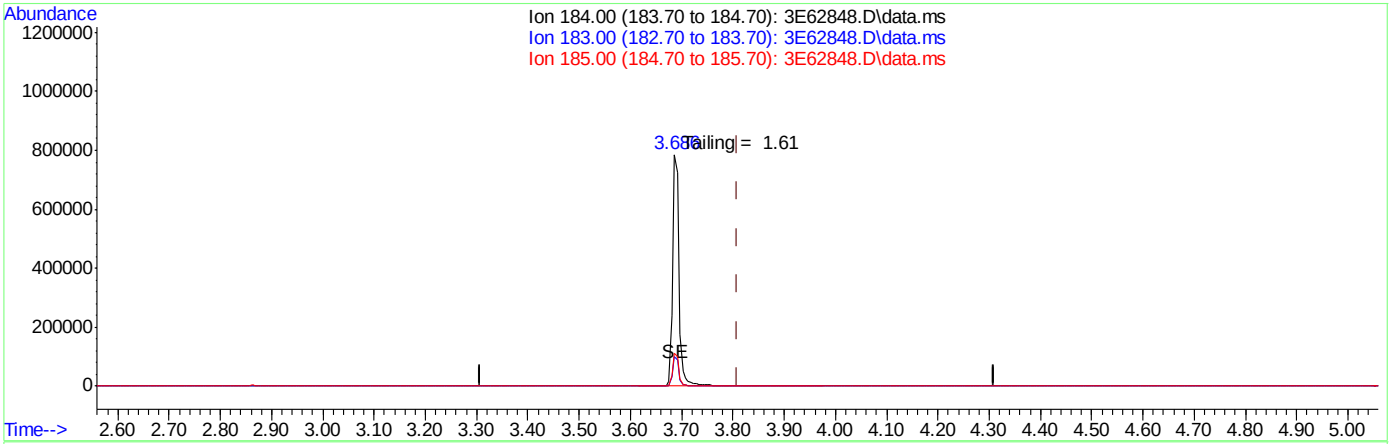
Ion	Exp%	Act%
265.80	100	100
263.80	62.20	63.31
267.80	64.70	64.05
0.00	0.00	0.00

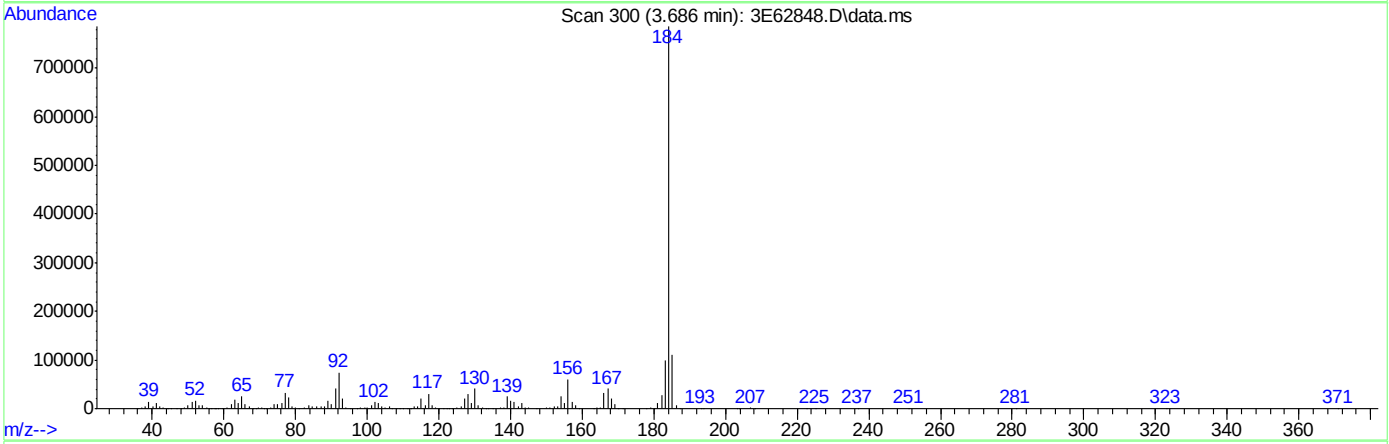
ACCUTEST LABORATORIES
JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62848.D
Acq On : 5 Jul 2014 8:23 am
Operator : harpreek
Sample : dftpp
Misc : op75684,e3e2692
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 08:31:25 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
QLast Update : Fri Jun 27 13:34:21 2014
Response via : Initial Calibration





TIC: 3E62848.D\data.ms

(2) Benzidine (t)

3.686min (-0.123) 65.02ppb

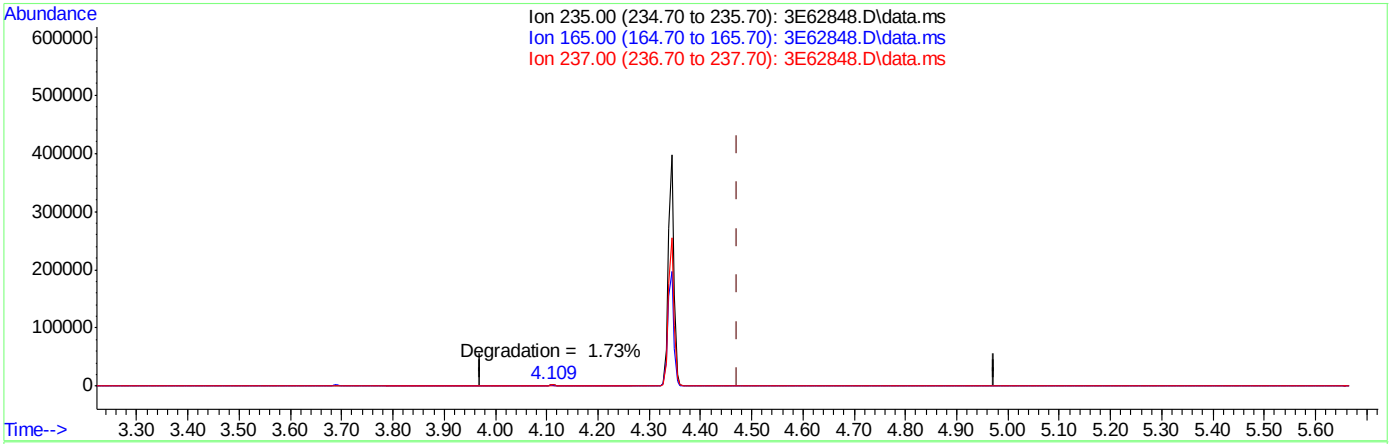
response 682760

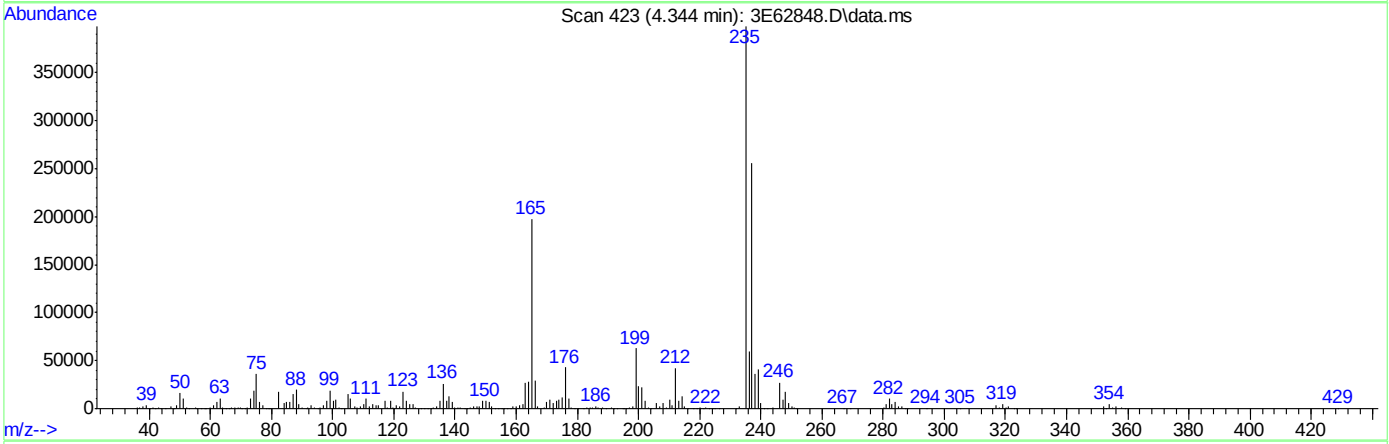
Ion	Exp%	Act%
184.00	100	100
183.00	13.20	12.52
185.00	15.40	14.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62848.D
Acq On : 5 Jul 2014 8:23 am
Operator : harpreek
Sample : dftpp
Misc : op75684,e3e2692
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 08:31:25 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3e.M
Quant Title : Semi Volatile GC/MS,rtx-5msi 30m x .25mm x .25SatFri Jun 27 13:34:21 2014
QLast Update : Fri Jun 27 13:34:21 2014
Response via : Initial Calibration





TIC: 3E62848.D\data.ms

(3) PP-DDT (t)

4.344min (-0.128) 70.92ppb

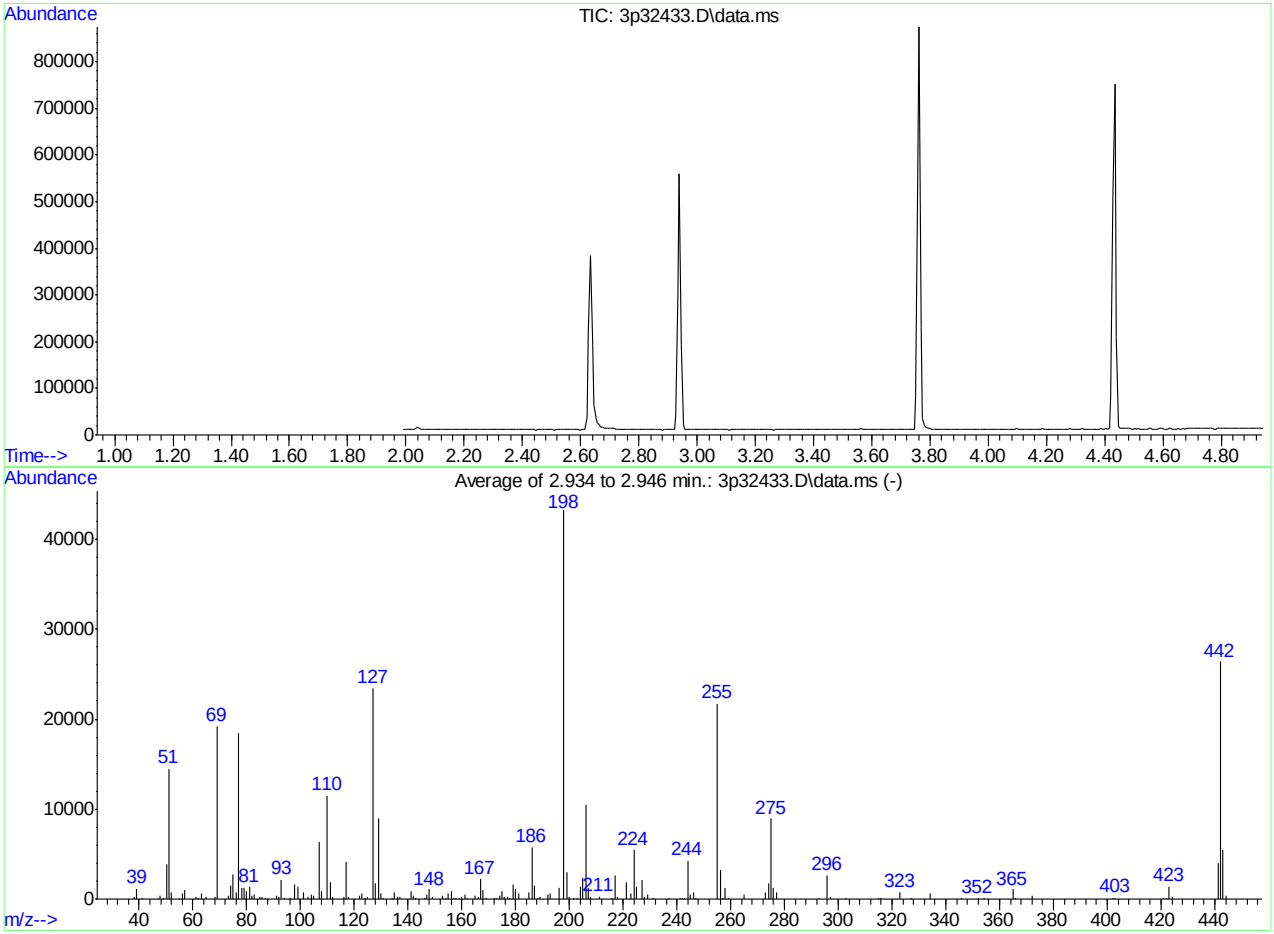
response 294430

Ion	Exp%	Act%
235.00	100	100
165.00	0.10	51.77#
237.00	0.10	65.02#
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\1389\3p32433.D Vial: 1
Acq On : 6 Jun 2014 2:00 pm Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75000,e3p1389, Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 161, 162, 163; Background Corrected with Scan 157

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.6	14513	PASS
68	69	0.00	2	1.5	294	PASS
69	198	0.00	100	44.5	19230	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.3	23444	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	43200	PASS
199	198	5	9	7.0	3020	PASS
275	198	10	30	20.7	8958	PASS
365	198	1	100	2.6	1105	PASS
441	443	0.01	100	72.6	3942	PASS
442	198	40	100	61.1	26408	PASS
443	442	17	23	20.6	5428	PASS

3p32433.D DFTPP3P.M Tue Jun 10 13:06:47 2014 RPT1

Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	240	57.00	1039	77.10	18456	91.00	340
39.05	1126	61.00	197	78.05	1215	92.00	303
41.00	92	62.00	104	79.00	1242	93.00	2153
46.90	60	63.00	576	80.00	920	94.00	93
47.95	316	65.00	281	81.00	1360	96.00	86
49.00	105	68.05	294	82.00	357	98.00	1573
50.10	3875	69.00	19230	83.00	527	99.00	1328
51.05	14513	73.00	319	85.00	311	101.00	766
52.00	758	74.00	1506	85.90	314	103.00	282
55.00	22	75.00	2726	87.00	109	103.95	465
56.00	650	76.00	811	87.90	42	105.00	370

Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
107.00	6397	125.00	234	142.00	365	157.00	123
108.00	893	127.00	23444	142.80	89	157.90	117
110.00	11525	128.00	1725	143.00	112	158.90	93
111.00	1847	129.00	9018	146.00	91	159.95	256
111.95	201	130.00	683	146.95	531	161.00	492
115.95	247	130.90	96	148.00	1075	162.00	98
117.00	4079	134.00	120	149.00	216	164.95	347
118.00	227	135.00	731	152.95	319	166.00	250
122.00	325	135.95	251	154.00	119	167.00	2217
123.00	619	137.00	286	155.00	587	168.00	1046
124.00	144	141.00	924	156.00	895	168.90	98

Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.90	119	186.00	5763	203.00	167	223.00	574
173.00	110	187.00	1491	204.00	1434	224.05	5451
174.00	433	188.10	97	205.00	2408	225.00	1429
175.00	821	189.00	244	206.10	10462	227.00	2137
175.95	262	191.95	472	207.00	1256	227.90	281
176.90	296	193.00	595	207.90	297	229.00	475
178.00	100	196.00	1207	211.05	268	231.00	97
178.95	1587	198.00	43200	215.90	108	237.00	100
180.00	1119	199.00	3020	217.00	2671	241.10	90
181.00	569	199.90	219	218.00	313	242.00	180
185.05	751	201.50	138	221.00	1846	243.00	157

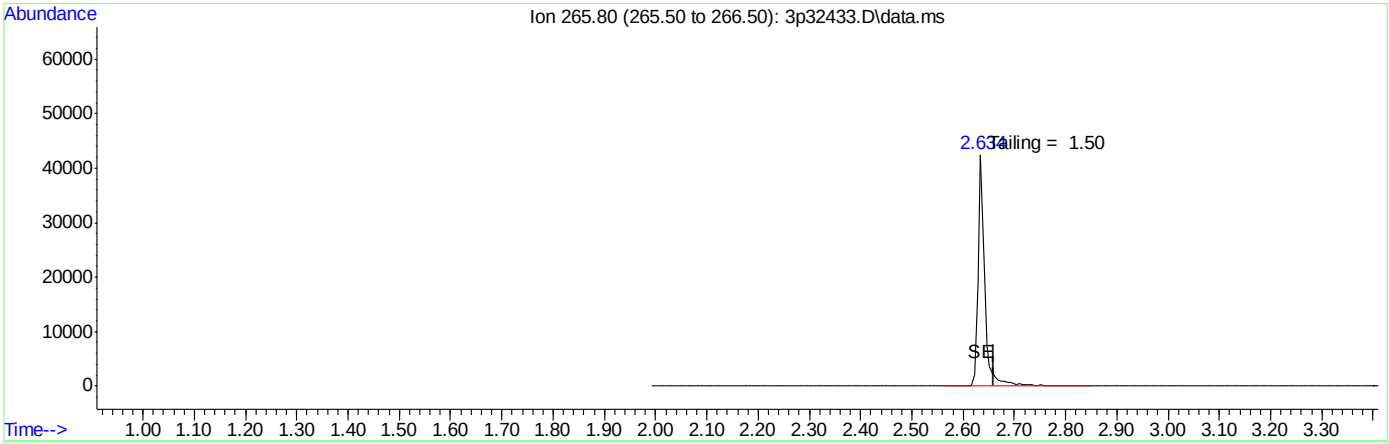
Average of 2.934 to 2.946 min.: 3p32433.D\data.ms
dftpp
Modified:subtracted

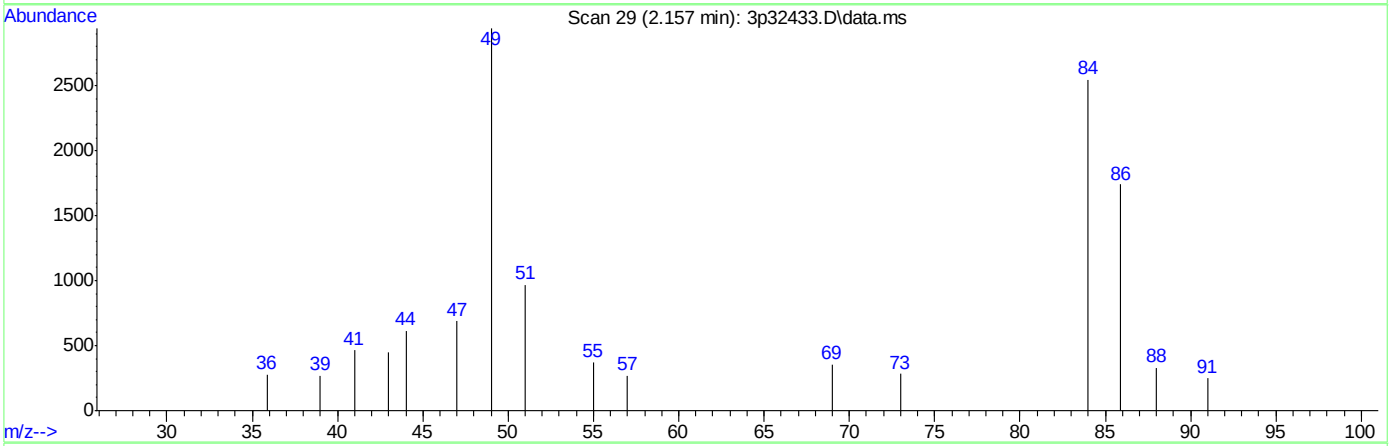
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
244.10	4272	274.00	1743	326.90	98	422.00	83
245.00	477	275.00	8958	334.00	585	423.05	1426
246.00	765	276.00	1251	346.00	107	424.05	253
247.00	84	277.00	762	352.00	121	441.10	3942
255.00	21739	293.00	95	354.10	106	442.10	26408
256.00	3196	296.00	2628	365.00	1105	443.10	5428
257.00	122	297.00	198	365.90	91	444.00	430
258.00	1279	303.00	171	372.00	331		
259.00	101	315.00	138	402.00	114		
264.95	502	316.00	83	403.00	177		
273.00	719	323.05	774	421.00	100		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32433.D
Acq On : 6 Jun 2014 2:00 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1389,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 14:03:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32433.D\data.ms

(1) Pentachlorophenol

2.160min (-2.160) 0.00ppb

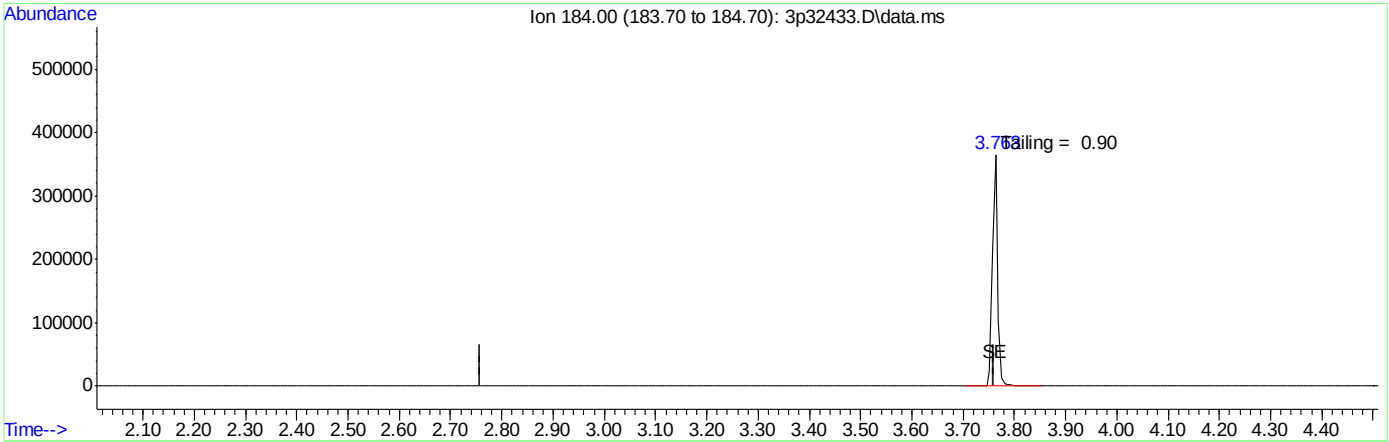
response 0

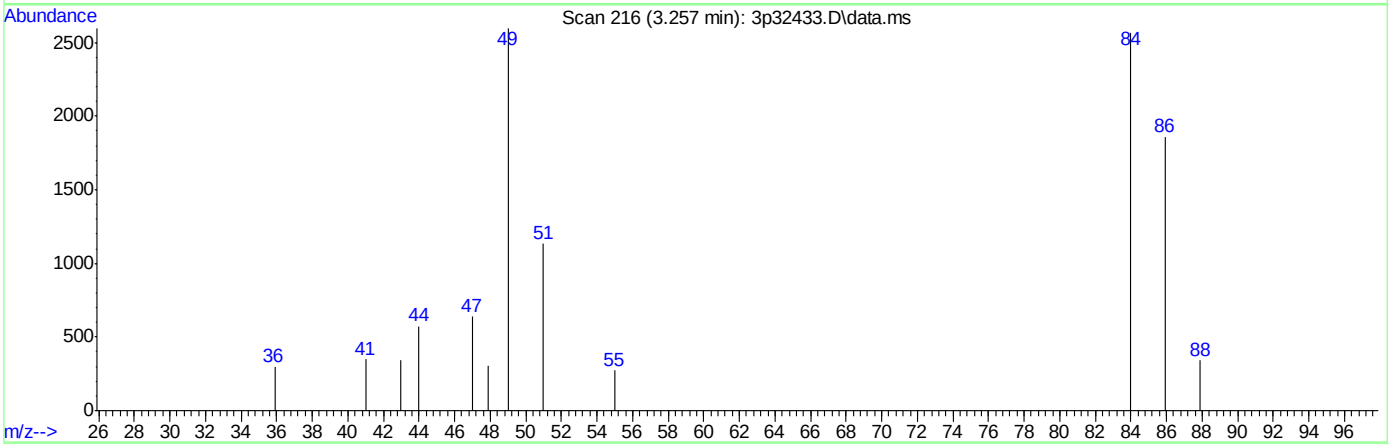
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32433.D
Acq On : 6 Jun 2014 2:00 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1389,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 14:03:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32433.D\data.ms

(2) Benzidine

3.260min (-3.260) 0.00ppb

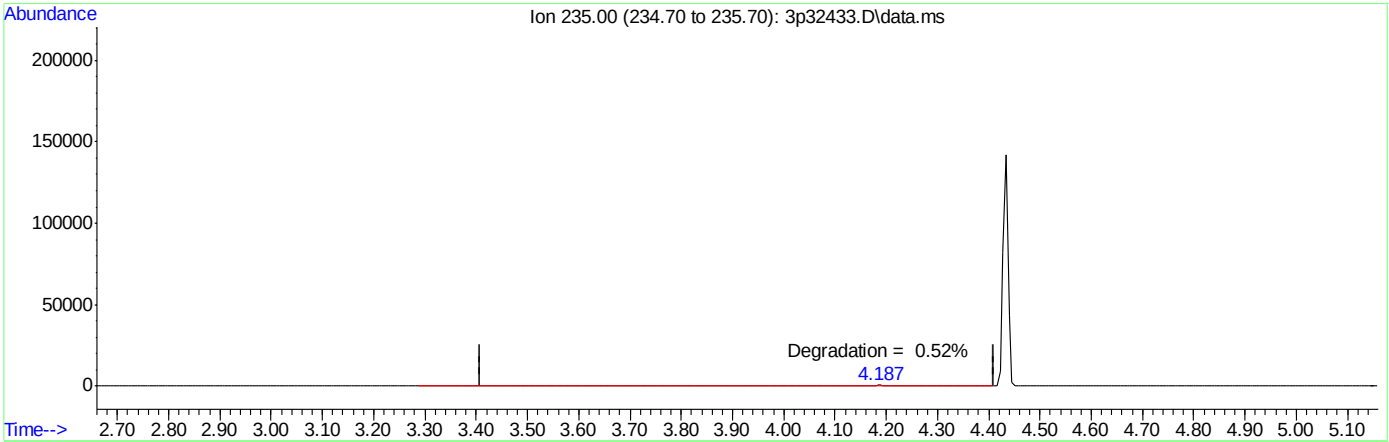
response 0

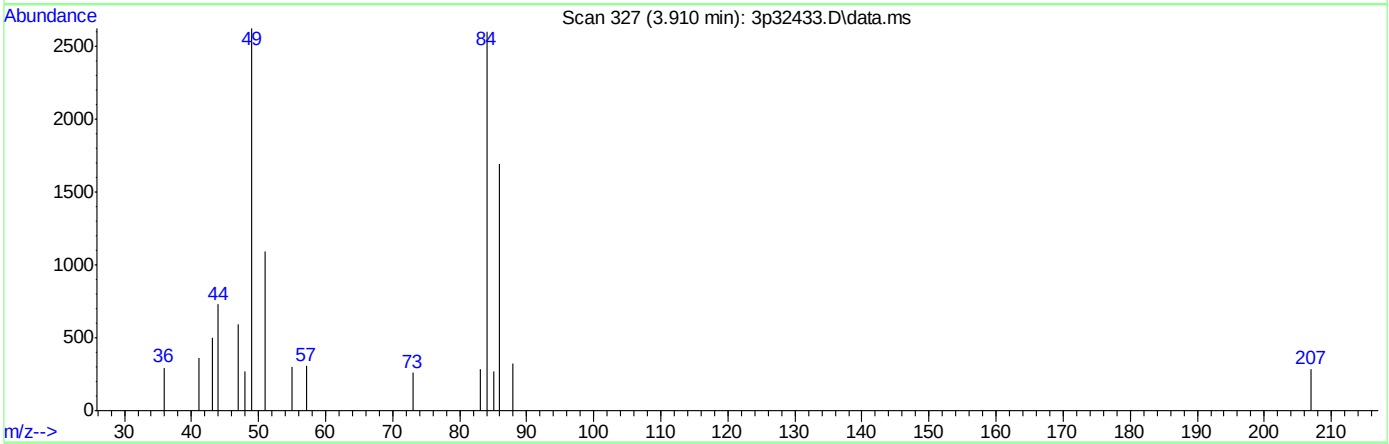
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32433.D
Acq On : 6 Jun 2014 2:00 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1389,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 06 14:03:30 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32433.D\data.ms

(3) PP-DDT

3.910min (-3.910) 0.00ppb

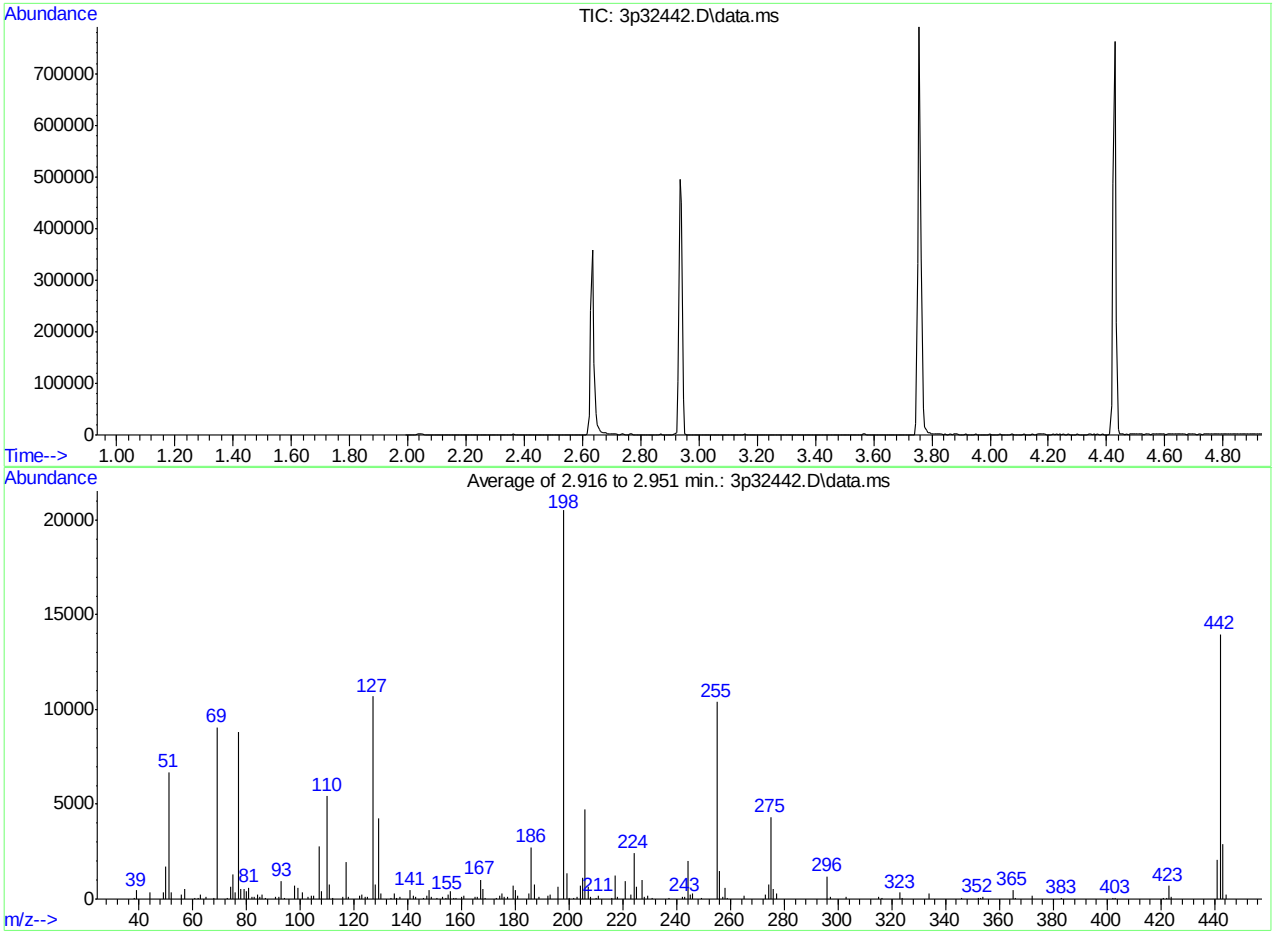
response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\1389\3p32442.D Vial: 1
Acq On : 6 Jun 2014 6:28 pm Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75000,e3p1390, Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



Spectrum Information: Average of 2.916 to 2.951 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.6	6690	PASS
68	69	0.00	2	0.8	69	PASS
69	198	0.00	100	44.2	9062	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	52.1	10679	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	20504	PASS
199	198	5	9	6.8	1390	PASS
275	198	10	30	21.1	4334	PASS
365	198	1	100	2.4	483	PASS
441	443	0.01	100	71.5	2068	PASS
442	198	40	100	68.1	13969	PASS
443	442	17	23	20.7	2893	PASS

3p32442.D DFTPP3P.M Tue Jun 10 13:21:16 2014 RPT1

Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	41.7143	63.00	257.857	80.00	392.714	94.00	48.5714
39.05	448.143	65.00	111.714	81.00	605.857	98.00	697.857
44.00	338.286	68.00	69.2857	82.00	114.286	99.00	599.286
48.95	331.429	69.00	9061.71	82.95	141.429	101.00	365
50.10	1719	73.00	36.4286	83.95	208.714	103.00	105
51.10	6689.86	74.00	669.143	85.00	109.429	104.00	166.429
52.00	342.286	75.00	1276.29	85.95	221	105.00	177.714
56.00	213.286	76.00	368.571	87.00	43.4286	107.00	2769.71
57.00	533.429	77.10	8804.86	90.95	131.857	108.05	421.571
61.00	38.4286	78.05	551.857	91.90	128.429	110.00	5423.57
62.00	52.5714	79.00	523.857	93.00	956.429	111.00	746.429

Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
112.00	50.2857	130.00	315.429	148.95	105.857	166.00	108.571
116.00	119.286	133.90	49.5714	151.00	38	167.00	1029.29
117.00	1971.43	135.00	269	152.95	129.571	168.00	507
118.00	140	135.90	52.2857	154.00	47.2857	168.95	72.8571
121.95	152.429	137.00	137.143	155.00	239	173.00	85.2857
123.00	226.429	141.00	491	156.00	394.857	174.00	202.857
124.00	113.714	142.00	150.286	157.00	44.1429	175.00	326.714
124.95	103.143	142.90	94.4286	158.00	45.7143	176.00	102.143
127.00	10679.3	146.00	37.4286	159.95	132	177.00	125.429
128.00	777.571	146.95	193.571	161.00	200.857	179.00	739.571
129.00	4279.14	148.00	479.714	164.95	146.571	180.00	467.857

Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
181.00	200.571	201.50	42.7143	218.00	140.571	243.00	133
185.00	296.429	203.00	112.857	221.00	931.286	244.10	2018.29
186.00	2746.29	204.00	700.571	223.00	210.286	245.00	215.857
187.00	745.571	205.00	1098.29	224.00	2433.43	245.95	322.571
188.90	132.571	206.05	4734.29	225.00	642.857	249.00	40.7143
192.00	196.571	207.10	674.714	227.00	1024.43	255.00	10387.7
193.00	231.143	208.00	141.143	227.95	124.714	256.00	1507.71
196.00	641.429	210.10	42.8571	229.00	195.714	257.00	105.571
198.00	20504.3	210.95	156	231.00	82.1429	258.00	594.429
199.00	1390.29	216.00	44.7143	237.00	76.5714	258.90	46
200.00	82.1429	217.00	1252.86	242.00	100.571	265.00	199.429

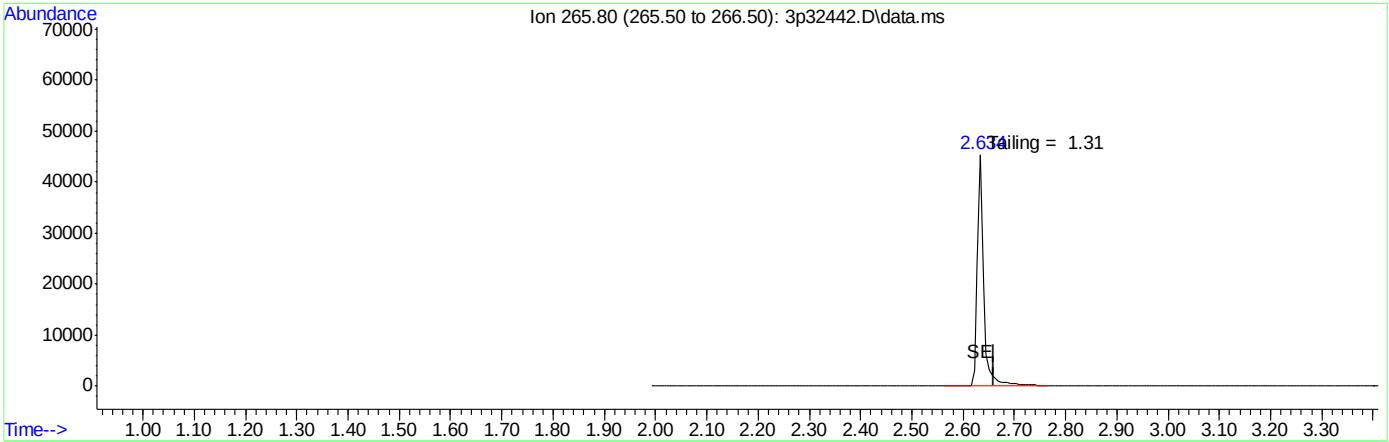
Average of 2.916 to 2.951 min.: 3p32442.D\data.ms
dftpp

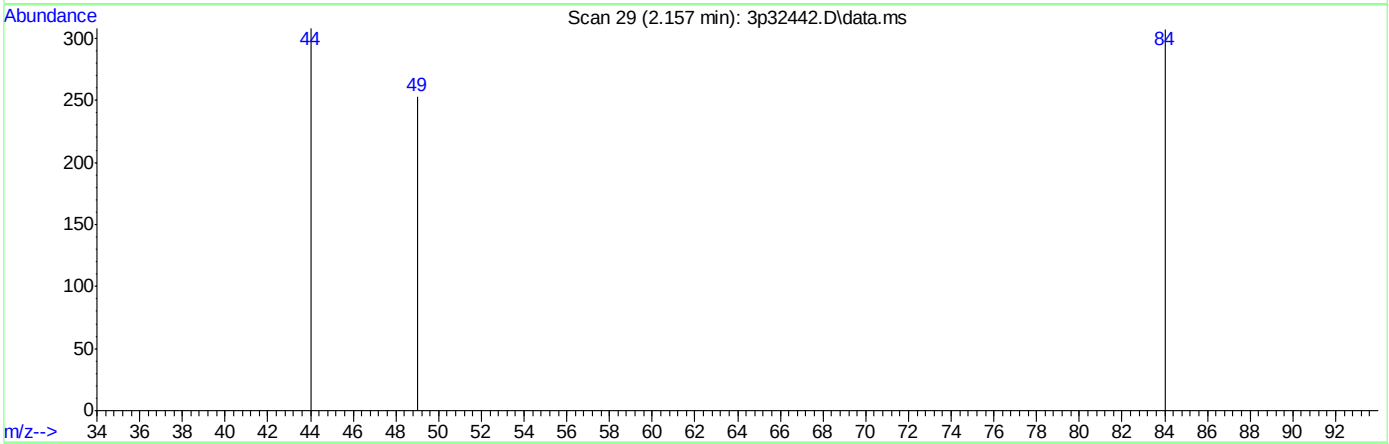
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.00	258.143	324.00	35.8571	403.00	59.4286		
274.05	797.286	334.00	287	421.00	58.5714		
275.00	4333.57	346.00	80.4286	422.00	54.4286		
276.00	560.714	352.00	88.7143	423.00	702.143		
277.00	292.714	353.00	53.1429	424.00	112.857		
296.00	1202.57	354.00	96	441.10	2068.43		
297.00	138.429	365.00	483	442.10	13968.6		
303.05	122.286	366.00	41.5714	443.10	2893.43		
315.00	131.143	372.00	163.857	444.05	253.714		
316.10	44.4286	383.00	37				
323.00	348	402.00	42				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32442.D
Acq On : 6 Jun 2014 6:28 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1390,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 07:53:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32442.D\data.ms

(1) Pentachlorophenol

2.160min (-2.160) 0.00ppb

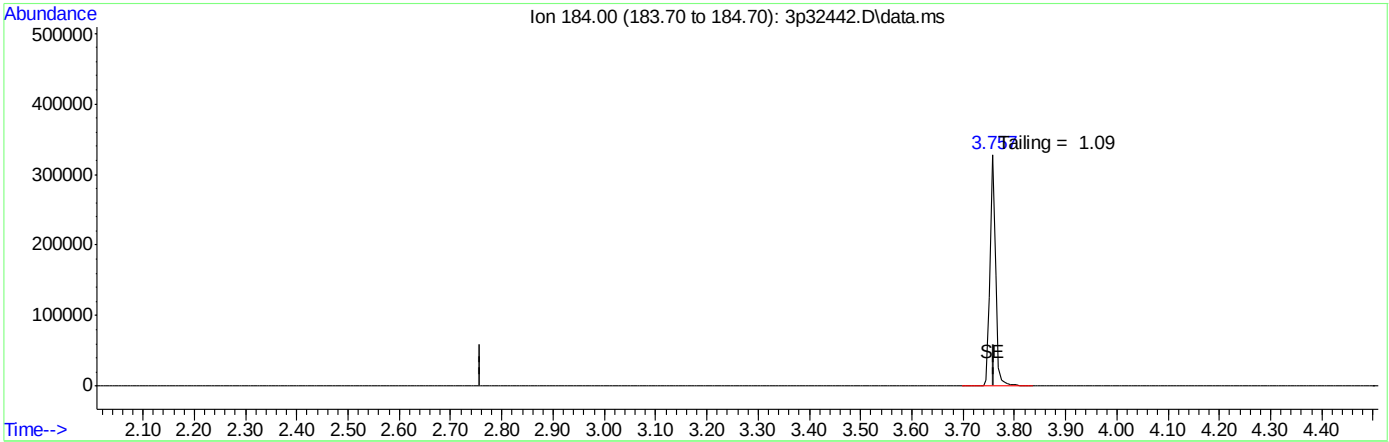
response 0

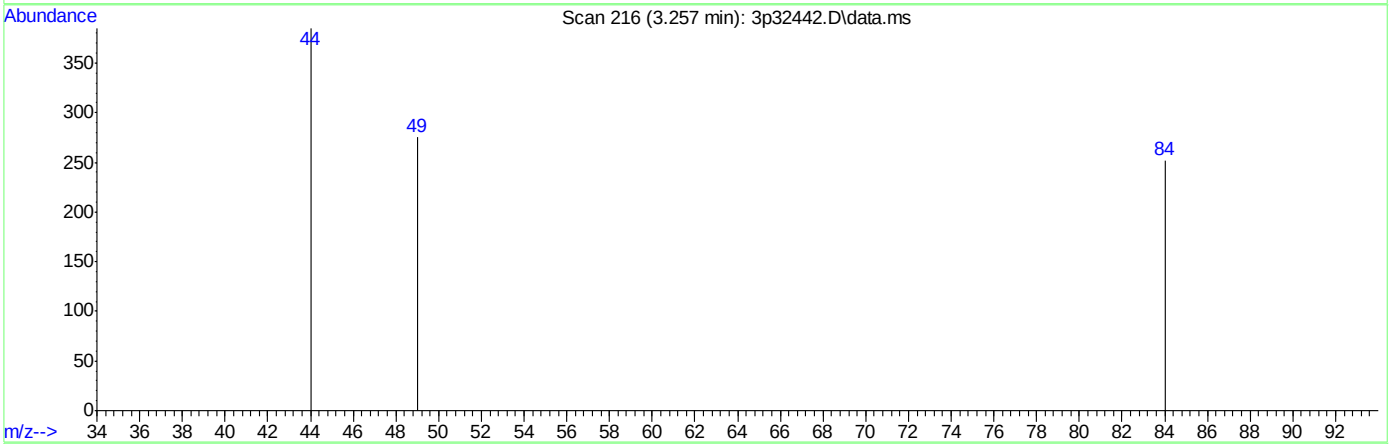
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32442.D
Acq On : 6 Jun 2014 6:28 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1390,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 07:53:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32442.D\data.ms

(2) Benzidine

3.260min (-3.260) 0.00ppb

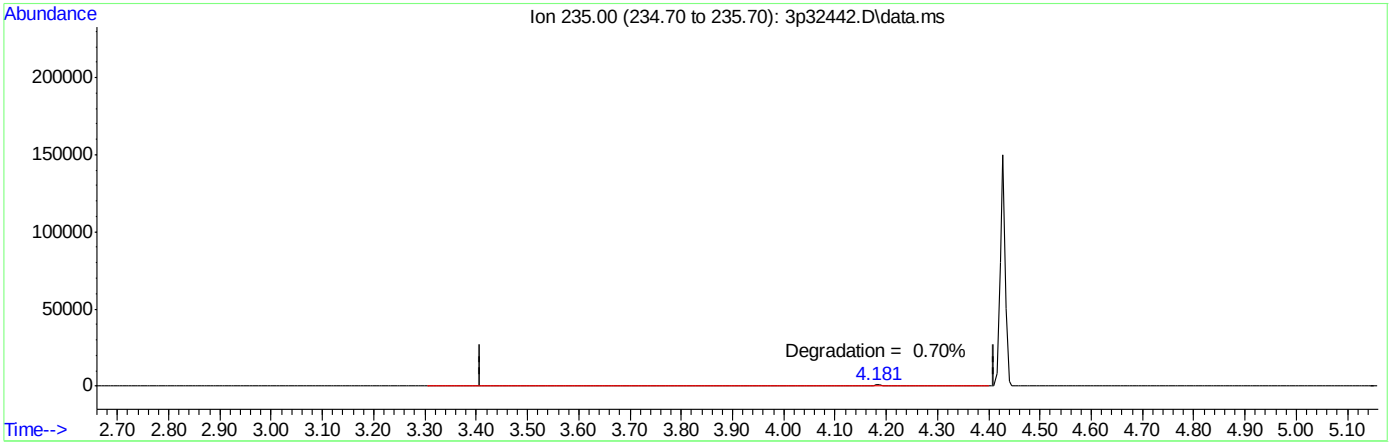
response 0

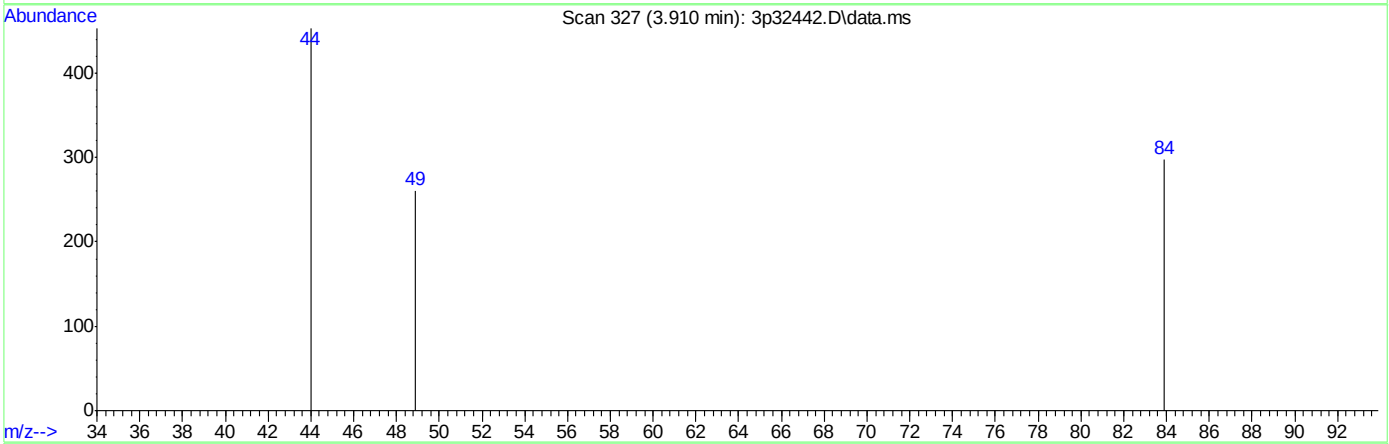
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32442.D
Acq On : 6 Jun 2014 6:28 pm
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1390,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 07 07:53:22 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32442.D\data.ms

(3) PP-DDT

3.910min (-3.910) 0.00ppb

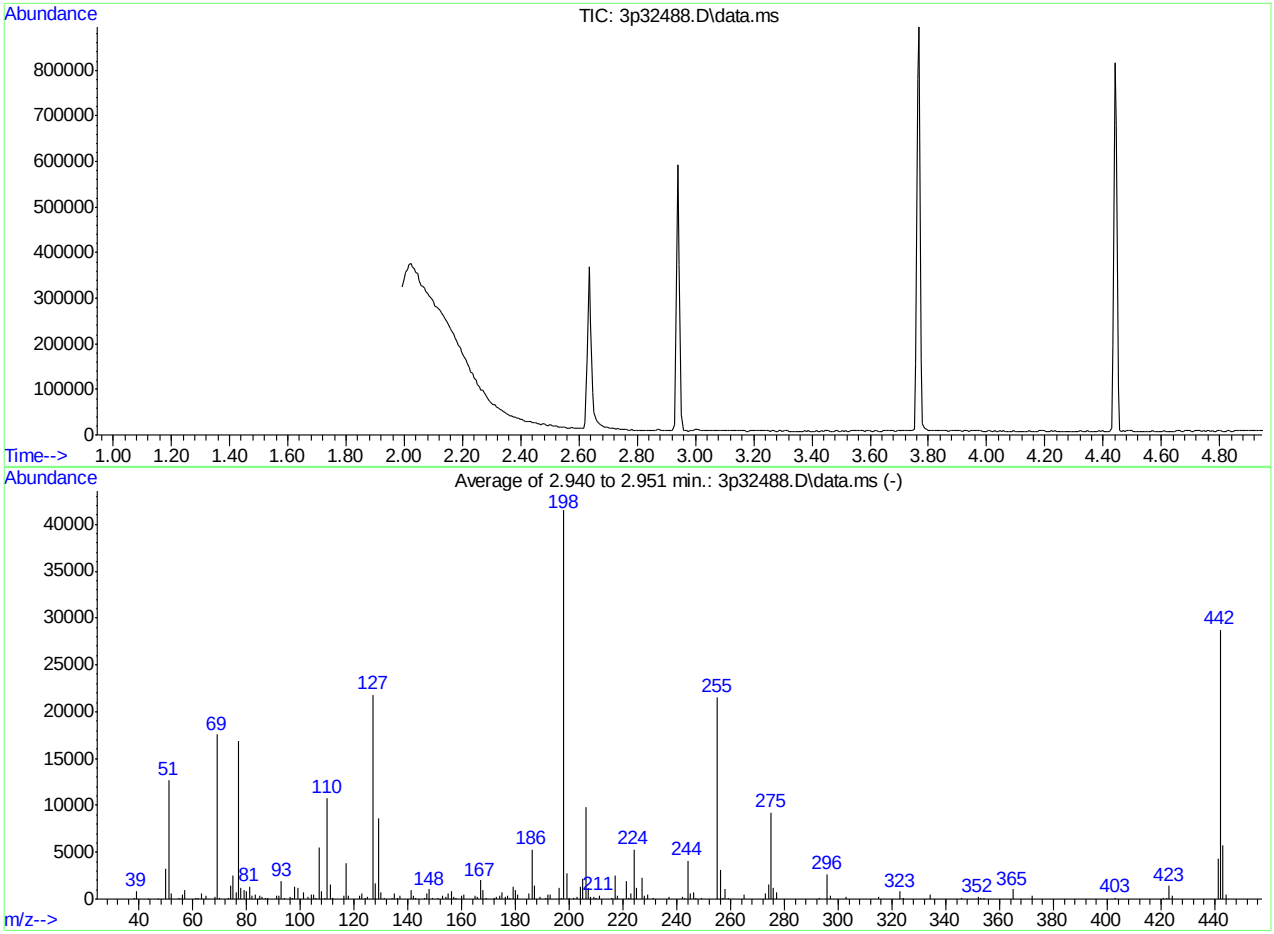
response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\1392\3p32488.D Vial: 1
Acq On : 9 Jun 2014 10:49 am Operator: samtap
Sample : dftpp Inst : GC3P
Misc : op75000,e3p1392,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 162, 163, 164; Background Corrected with Scan 157

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.6	12698	PASS
68	69	0.00	2	1.6	281	PASS
69	198	0.00	100	42.4	17578	PASS
70	69	0.00	2	0.5	96	PASS
127	198	40	60	52.5	21783	PASS
197	198	0.00	1	0.2	97	PASS
198	198	100	100	100.0	41478	PASS
199	198	5	9	6.7	2783	PASS
275	198	10	30	22.3	9252	PASS
365	198	1	100	2.5	1046	PASS
441	443	0.01	100	75.4	4351	PASS
442	198	40	100	69.3	28730	PASS
443	442	17	23	20.1	5767	PASS

3p32488.D DFTPP3P.M Mon Jun 09 15:07:03 2014 RPT1

ACCUTEST LABORATORIES
JB69926

Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	104	62.00	129	78.00	1189	91.00	371
39.00	876	63.00	582	79.00	1015	92.00	359
43.00	13	65.00	325	80.00	838	93.00	1965
46.95	27	68.05	281	81.00	1327	93.90	101
50.05	3295	69.00	17578	82.00	344	96.00	198
51.05	12698	70.00	96	83.05	534	97.00	83
52.00	652	73.00	117	83.95	62	98.00	1367
55.00	76	74.00	1407	84.90	377	99.00	1196
56.00	496	75.00	2458	85.90	222	101.00	711
57.00	923	75.95	707	87.00	109	102.95	269
61.00	113	77.10	16839	87.90	122	104.00	431

Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.00	492	121.95	334	136.00	153	154.00	238
105.80	93	123.00	568	137.00	313	155.00	557
107.00	5484	123.90	157	141.00	925	156.00	801
108.00	859	124.95	256	142.00	304	157.00	211
108.90	93	127.00	21783	143.00	120	157.90	122
110.00	10828	128.00	1682	146.00	97	160.00	320
111.00	1549	129.00	8590	146.95	554	160.95	476
112.00	134	130.00	747	148.00	1060	165.00	359
116.00	317	131.00	94	149.00	139	165.95	261
117.00	3848	134.00	98	151.00	86	167.00	2017
118.00	317	135.00	646	153.00	317	168.00	942

Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.00	122	185.00	631	200.00	165	211.05	373
171.90	92	186.00	5306	201.40	136	215.90	114
172.95	197	187.00	1428	201.60	83	217.00	2548
174.00	408	189.00	275	202.95	256	218.00	350
175.00	734	191.00	122	204.00	1366	221.00	1876
176.00	259	192.00	462	205.05	2199	222.00	152
177.00	373	193.00	527	206.10	9799	222.95	545
177.90	86	196.00	1191	207.00	1255	224.05	5286
179.00	1364	197.10	97	208.00	238	225.00	1235
180.00	943	198.00	41478	209.00	196	227.00	2244
180.95	482	199.00	2783	210.00	88	228.00	323

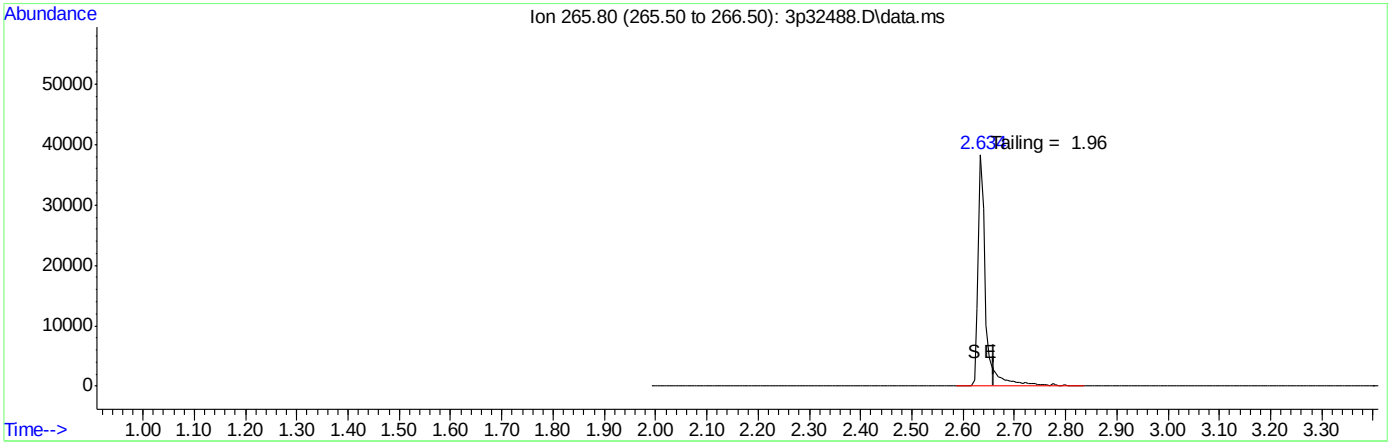
Average of 2.940 to 2.951 min.: 3p32488.D\data.ms
dftpp
Modified:subtracted

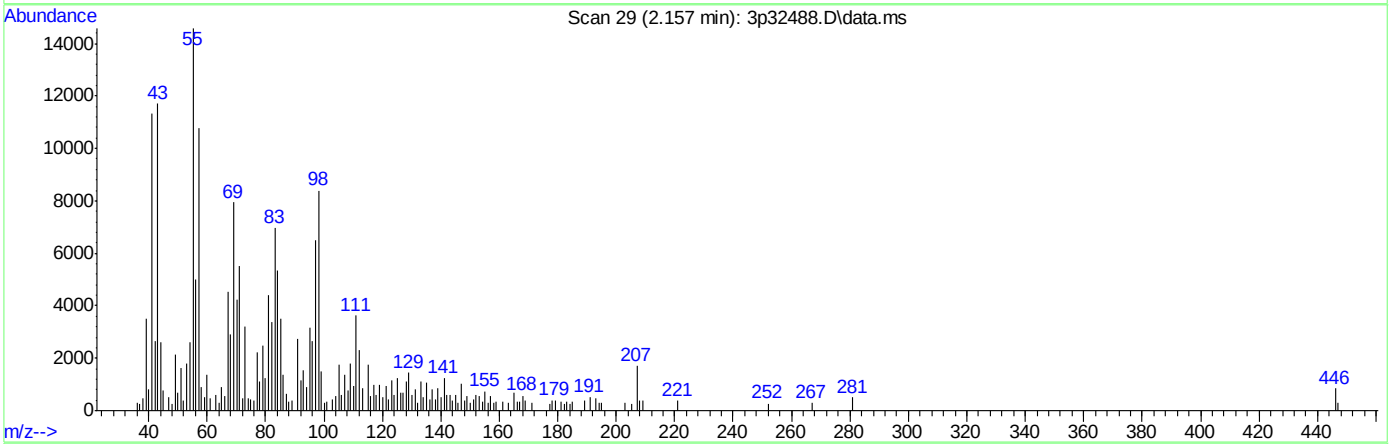
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
229.00	481	256.00	3100	296.00	2674	365.00	1046
231.00	118	257.00	101	297.00	334	372.00	415
237.00	187	258.00	1134	303.00	282	403.00	149
242.00	253	259.00	110	315.00	279	421.00	89
243.00	175	264.95	496	323.05	804	422.00	100
244.10	4110	273.00	619	324.00	101	423.00	1434
245.05	569	274.00	1503	334.05	522	424.00	316
246.00	762	275.00	9252	345.90	112	441.10	4351
246.90	84	276.00	1177	351.95	237	442.05	28730
249.00	87	277.00	713	353.00	86	443.05	5767
255.00	21600	292.90	109	354.00	123	444.00	536

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32488.D
Acq On : 9 Jun 2014 10:49 am
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1392,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 10:52:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32488.D\data.ms

(1) Pentachlorophenol

2.160min (-2.160) 0.00ppb

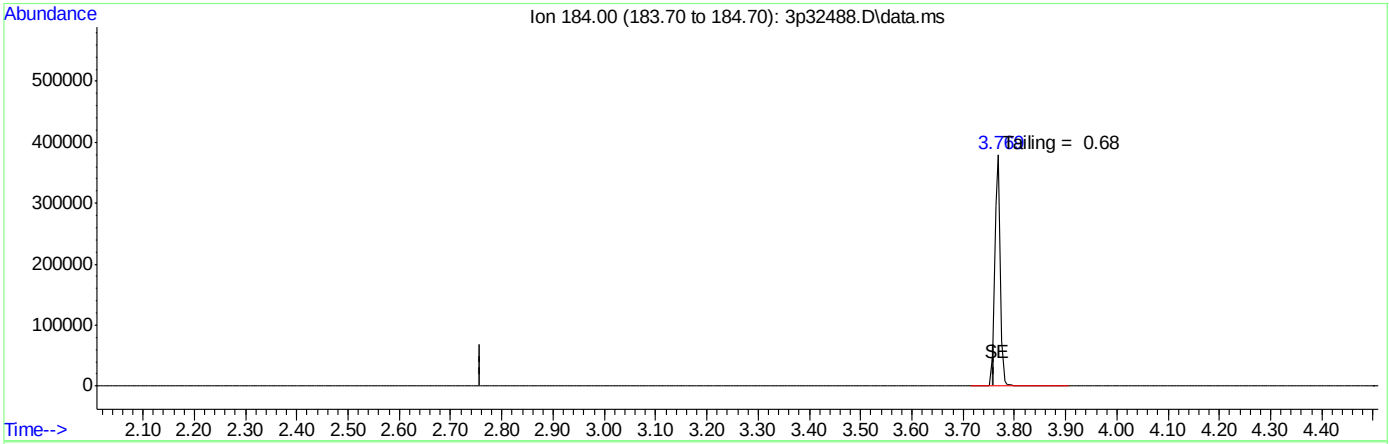
response 0

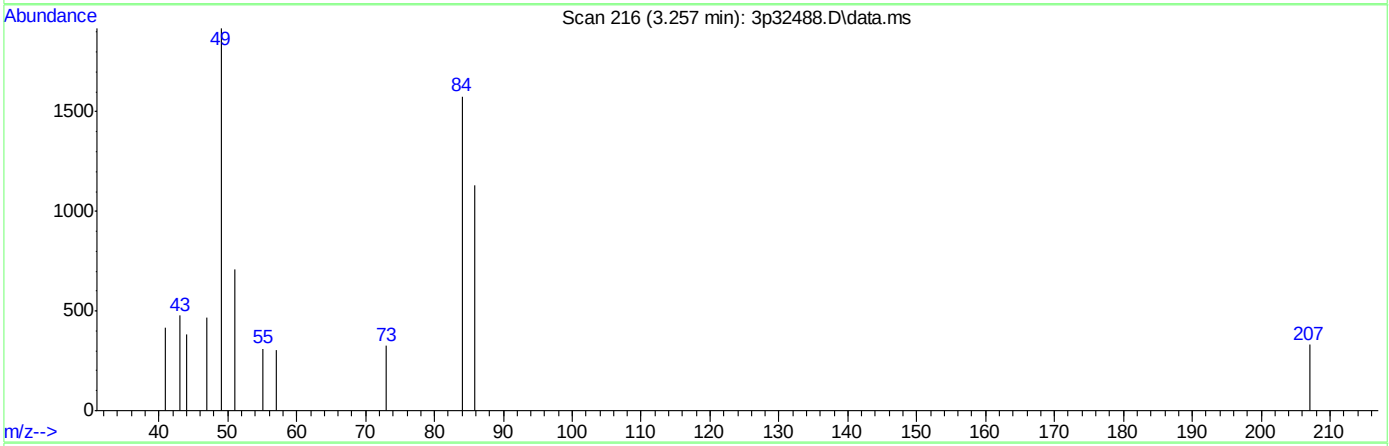
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32488.D
Acq On : 9 Jun 2014 10:49 am
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1392,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 10:52:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32488.D\data.ms

(2) Benzidine

3.260min (-3.260) 0.00ppb

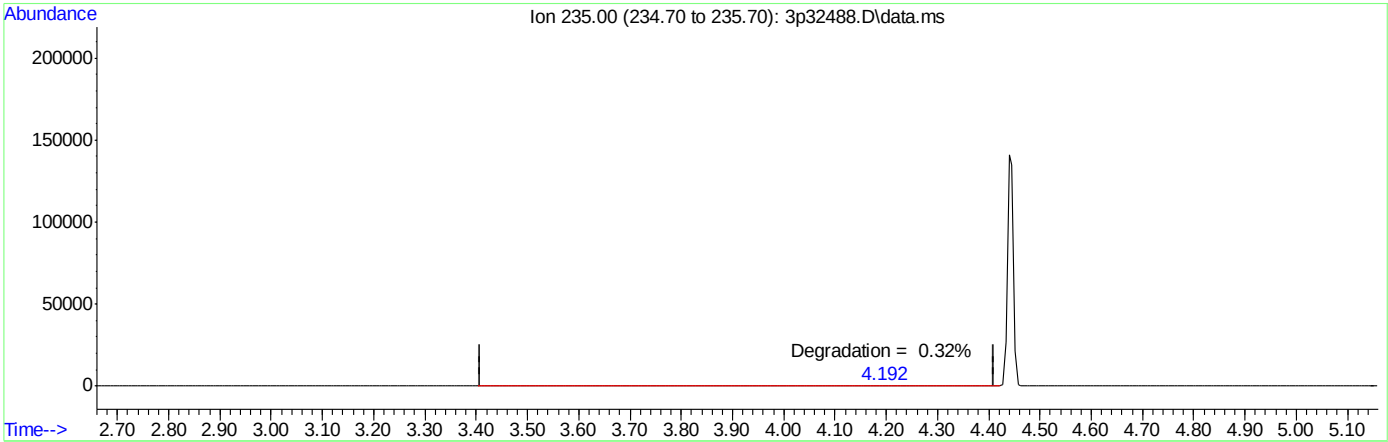
response 0

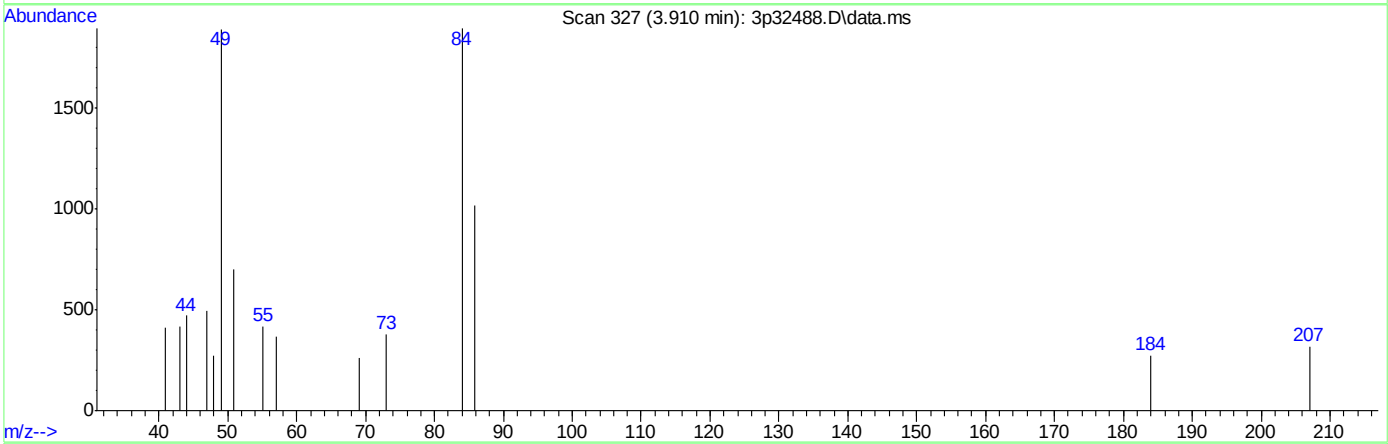
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32488.D
Acq On : 9 Jun 2014 10:49 am
Operator : samtap
Sample : dftpp
Misc : op75000,e3p1392,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 09 10:52:53 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Thu Feb 20 09:41:55 2014
Response via : Initial Calibration





TIC: 3p32488.D\data.ms

(3) PP-DDT

3.910min (-3.910) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

9.5.8.3

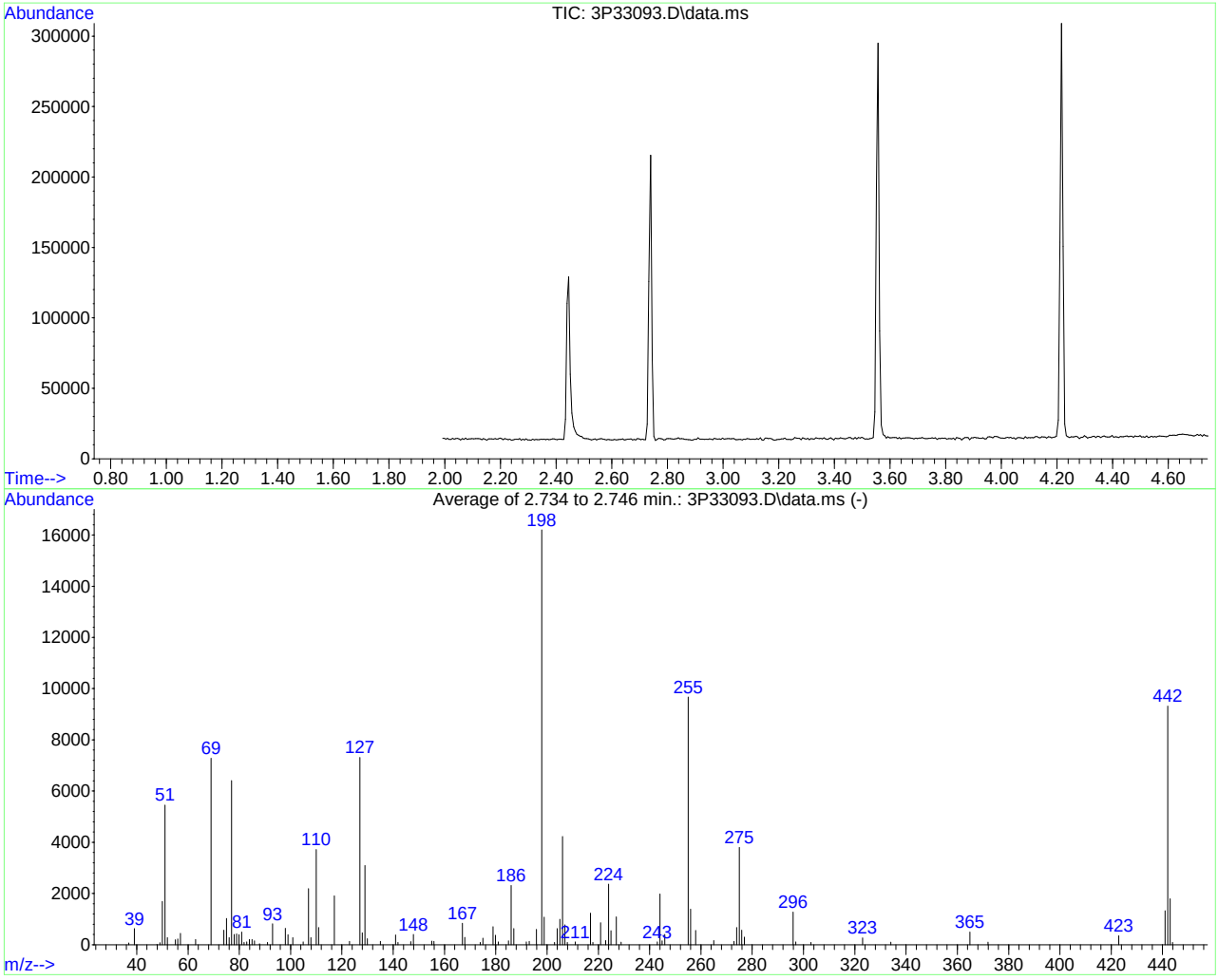
9

ACCUTEST LABORATORIES
JB69926

DFTPP

Data File : C:\msdchem\1\DATA\E3P1414\3P33093.D Vial: 1
Acq On : 24 Jun 2014 7:45 pm Operator: ashleyd
Sample : DFTPP Inst : MS3P
Misc : op75799,e3p1414 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\msdchem\1\METHODS\dftpp3p.m (ChemStation Integrator)
Title :



AutoFind: Scans 127, 128, 129; Background Corrected with Scan 123

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.7	5457	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.0	7282	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.2	7317	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	16195	PASS
199	198	5	9	6.7	1078	PASS
275	198	10	30	23.5	3799	PASS
365	198	1	100	3.1	499	PASS
441	443	0.01	100	74.1	1327	PASS
442	198	40	100	57.5	9314	PASS
443	442	17	23	19.2	1791	PASS

3P33093.D dftpp3p.m Thu Jun 26 16:12:25 2014 RPT1

Average of 2.734 to 2.746 min.: 3P33093.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.90	66	69.00	7282	83.90	199	107.95	275
39.05	628	74.00	562	84.95	206	110.00	3713
47.95	3	75.00	1029	85.90	154	110.95	673
49.00	74	76.00	273	87.90	40	117.00	1904
50.00	1694	77.00	6405	91.00	92	123.00	133
51.00	5457	78.00	399	92.95	819	127.00	7317
52.00	280	78.95	426	97.95	636	128.00	462
55.05	189	79.90	394	98.95	394	129.00	3095
55.95	219	80.90	489	100.90	272	129.95	232
57.00	440	81.90	87	104.90	113	135.00	126
62.95	206	82.90	106	107.00	2186	140.90	384

Average of 2.734 to 2.746 min.: 3P33093.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.90	86	181.00	109	204.95	995	227.00	1083
146.90	116	185.00	146	206.00	4229	228.90	101
147.90	397	186.00	2308	207.00	777	243.00	109
155.00	143	187.00	624	207.90	86	244.00	1984
155.90	128	191.90	106	211.00	108	244.90	152
166.95	836	193.00	134	216.90	1234	245.90	405
167.95	291	195.90	598	217.90	92	255.00	9668
173.90	88	197.90	16195	220.90	853	255.95	1384
174.95	258	198.90	1078	222.90	157	257.90	557
178.90	703	202.90	85	224.00	2367	265.00	160
179.90	367	204.00	630	224.95	547	272.90	134

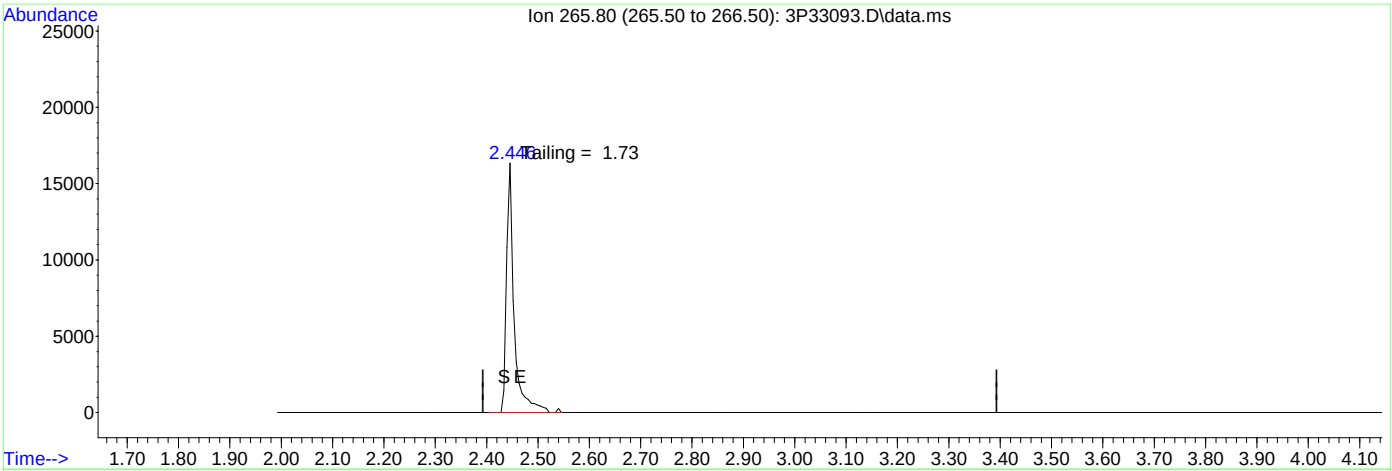
Average of 2.734 to 2.746 min.: 3P33093.D\data.ms
DFTPP
Modified:subtracted

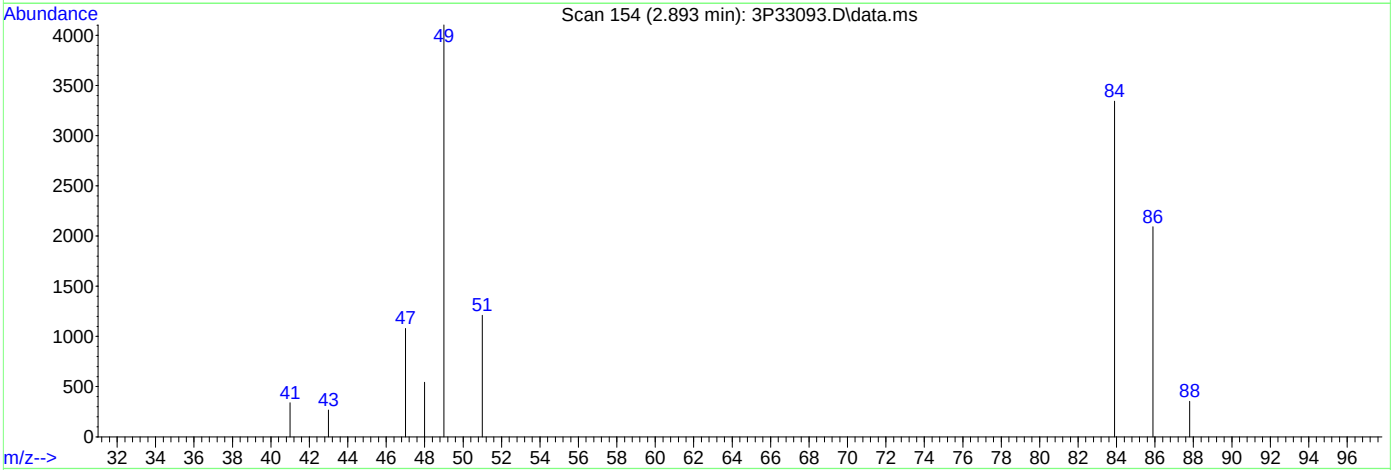
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
273.90	674	422.90	348				
275.00	3799	441.00	1327				
275.95	562	442.00	9314				
276.90	301	442.95	1791				
295.95	1278	443.90	84				
297.00	106						
302.90	92						
323.00	261						
334.00	102						
364.90	499						
371.90	94						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33093.D
Acq On : 24 Jun 2014 7:45 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75799,e3p1414
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 14:01:48 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3p.m
Quant Title :
QLast Update : Mon Jan 06 12:00:49 2014
Response via : Initial Calibration





TIC: 3P33093.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

response 0

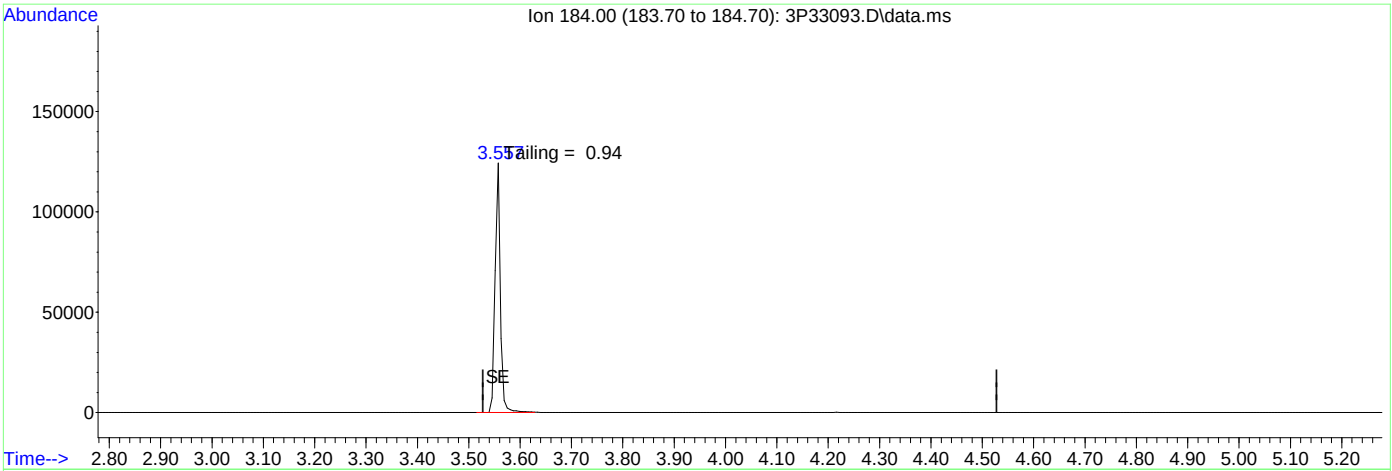
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

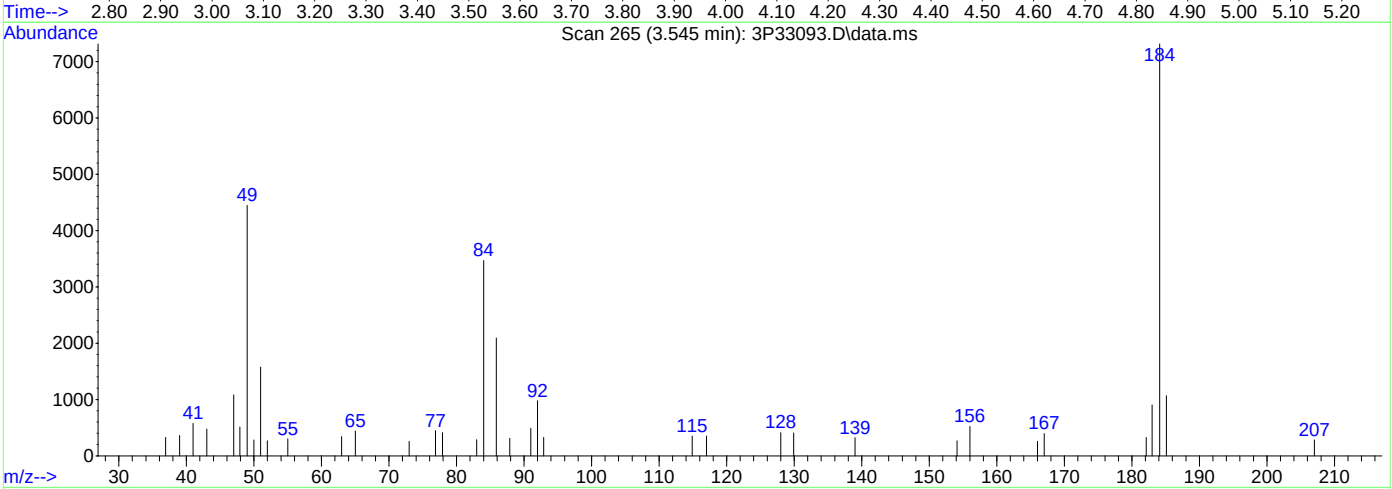
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33093.D
Acq On : 24 Jun 2014 7:45 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75799,e3p1414
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 14:01:48 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3p.m
Quant Title :
QLast Update : Mon Jan 06 12:00:49 2014
Response via : Initial Calibration





TIC: 3P33093.D\data.ms

(2) Benzidine

4.028min (-4.028) 0.00ppb

response 0

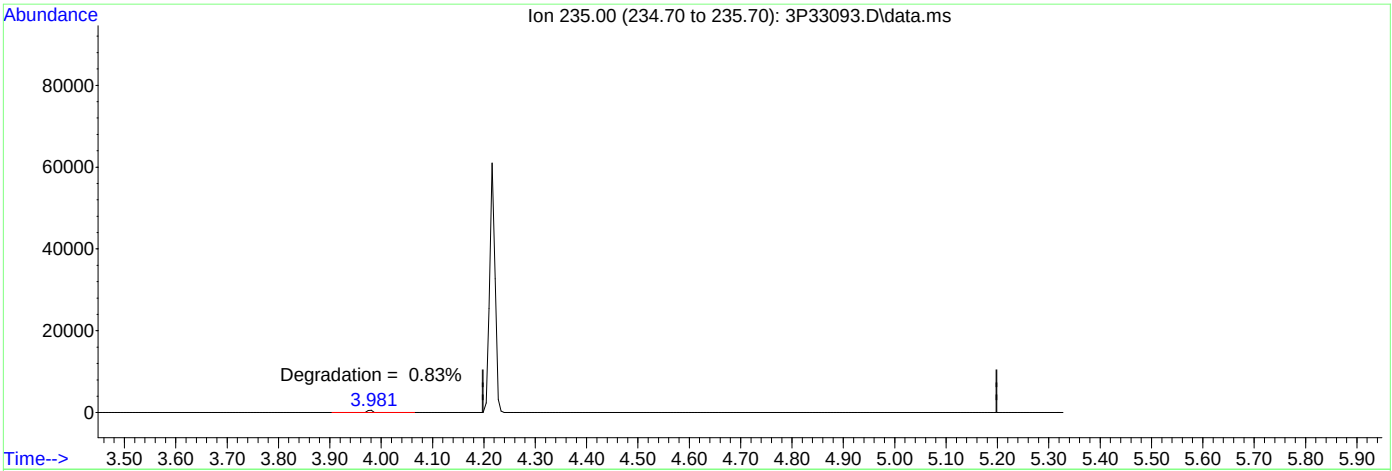
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

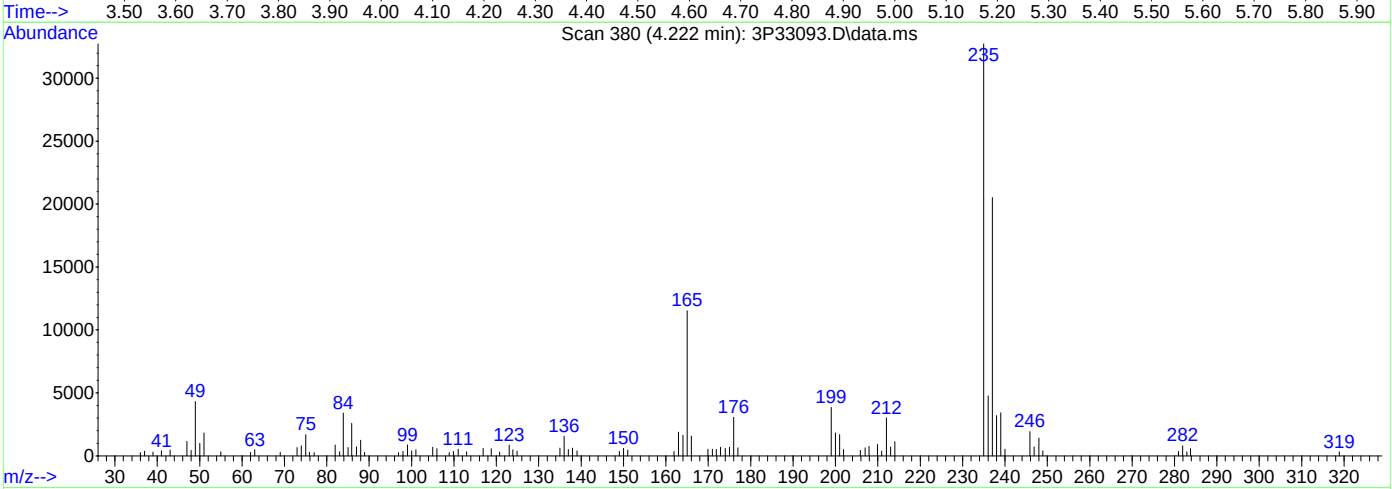
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33093.D
Acq On : 24 Jun 2014 7:45 pm
Operator : ashleyd
Sample : DFTPP
Misc : op75799,e3p1414
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 14:01:48 2014
Quant Method : C:\msdchem\1\METHODS\dftpp3p.m
Quant Title :
QLast Update : Mon Jan 06 12:00:49 2014
Response via : Initial Calibration





TIC: 3P33093.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

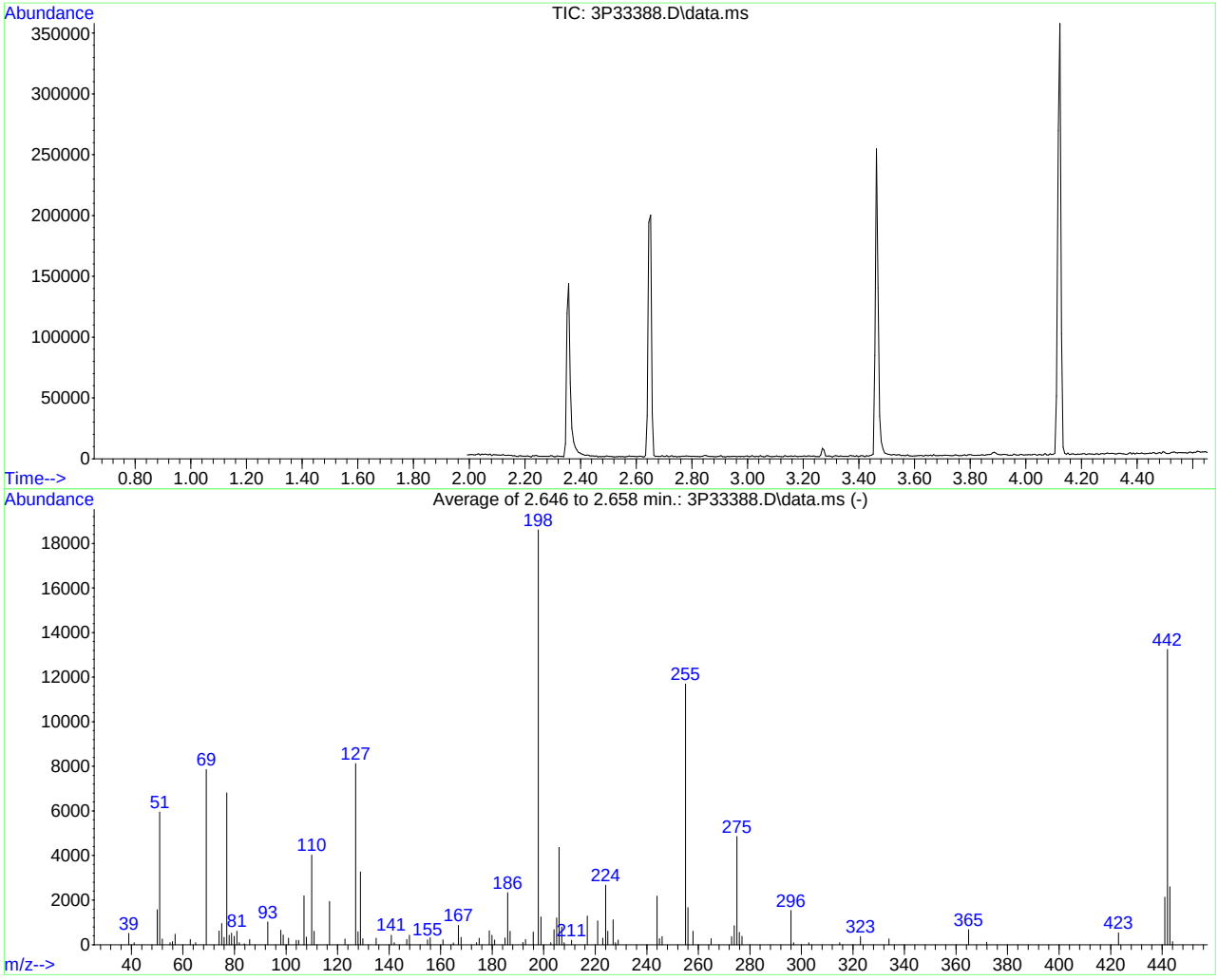
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

DFTPP

Data File : C:\msdchem\1\DATA\E3P1427\3P33388.D Vial: 1
Acq On : 2 Jul 2014 4:56 pm Operator: ashleyd
Sample : dftpp Inst : MS3P
Misc : op75725,e3p1427 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 112, 113, 114; Background Corrected with Scan 108

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.0	5956	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.3	7862	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	43.7	8122	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	18600	PASS
199	198	5	9	6.7	1244	PASS
275	198	10	30	26.1	4855	PASS
365	198	1	100	3.6	669	PASS
441	443	0.01	100	82.3	2132	PASS
442	198	40	100	71.2	13244	PASS
443	442	17	23	19.6	2591	PASS

3P33388.D DFTPP3P.M Thu Jul 03 12:34:34 2014 RPT1

Average of 2.646 to 2.658 min.: 3P33388.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	502	74.00	611	92.95	1023	122.90	253
41.00	87	75.00	948	97.95	649	127.00	8122
50.00	1576	76.00	326	98.95	442	127.90	581
51.00	5956	77.00	6812	100.95	296	128.90	3264
51.95	262	77.95	420	103.95	194	129.85	272
55.00	85	78.90	519	104.95	202	134.95	288
55.90	133	79.90	379	107.00	2194	140.90	430
56.95	473	80.95	609	107.90	338	142.00	92
62.90	232	81.90	91	110.00	4022	146.90	238
64.90	94	83.85	38	110.90	607	147.90	426
69.00	7862	85.90	228	116.90	1944	154.95	222

Average of 2.646 to 2.658 min.: 3P33388.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
155.90	316	186.00	2334	207.00	790	244.00	2182
160.90	221	186.90	608	207.90	88	244.90	270
164.90	83	191.90	106	210.85	193	245.90	368
166.90	868	192.90	230	216.90	1285	255.00	11688
167.95	334	195.95	562	220.95	1070	256.00	1668
173.90	87	197.90	18600	222.95	294	257.90	602
175.00	298	198.90	1244	224.00	2673	264.95	274
178.90	622	202.80	84	224.90	606	272.90	361
179.95	420	203.95	669	226.90	1112	273.95	859
180.95	210	205.00	1195	227.90	90	275.00	4855
184.95	308	206.00	4359	228.90	204	275.90	550

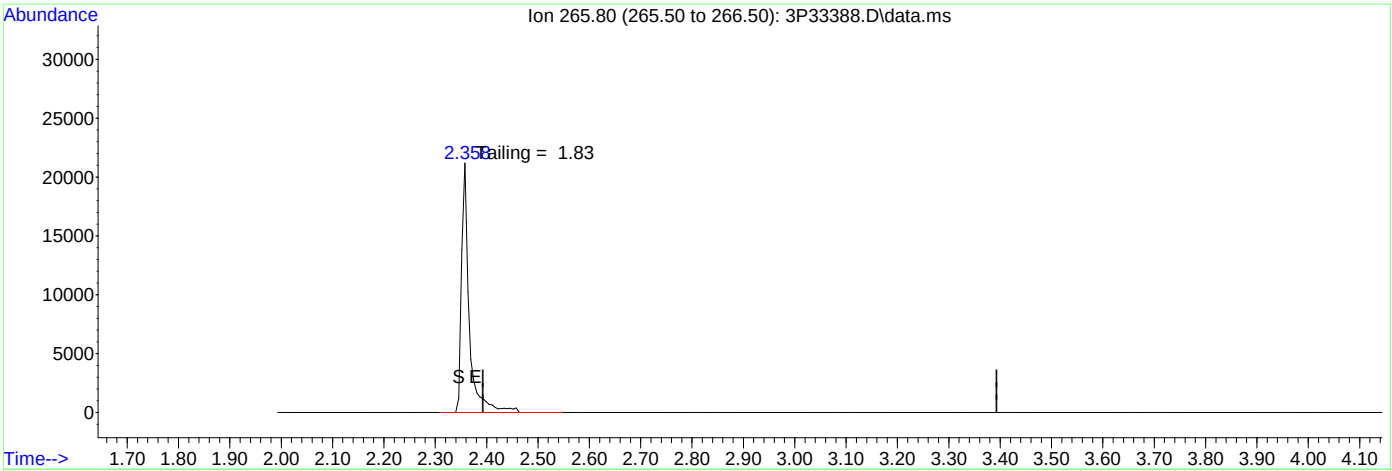
Average of 2.646 to 2.658 min.: 3P33388.D\data.ms
dftpp
Modified:subtracted

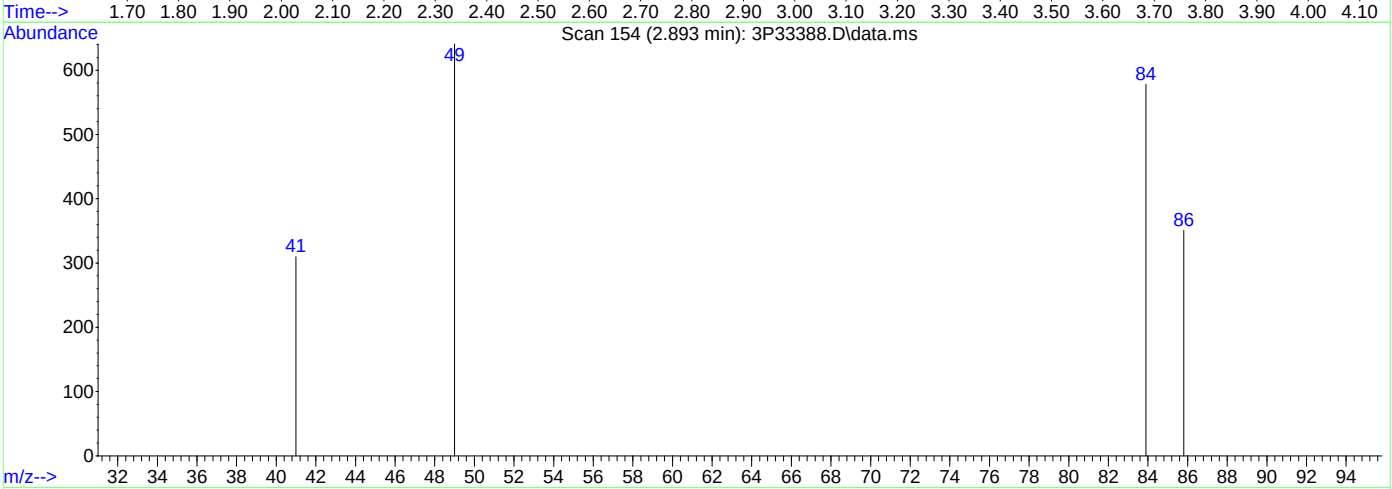
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
276.90	379	442.00	13244				
295.95	1530	443.00	2591				
297.00	84	444.00	135				
302.90	89						
314.90	95						
322.95	362						
334.00	260						
364.90	669						
371.90	111						
423.00	535						
441.00	2132						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33388.D
Acq On : 2 Jul 2014 4:56 pm
Operator : ashleyd
Sample : dftpp
Misc : op75725,e3p1427
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 17:02:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33388.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

response 0

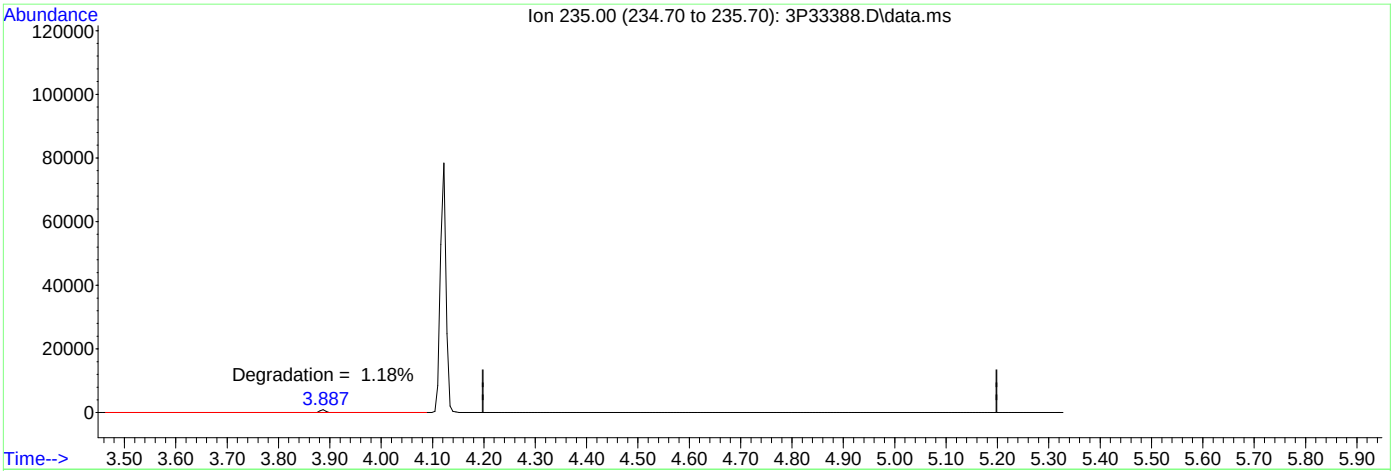
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

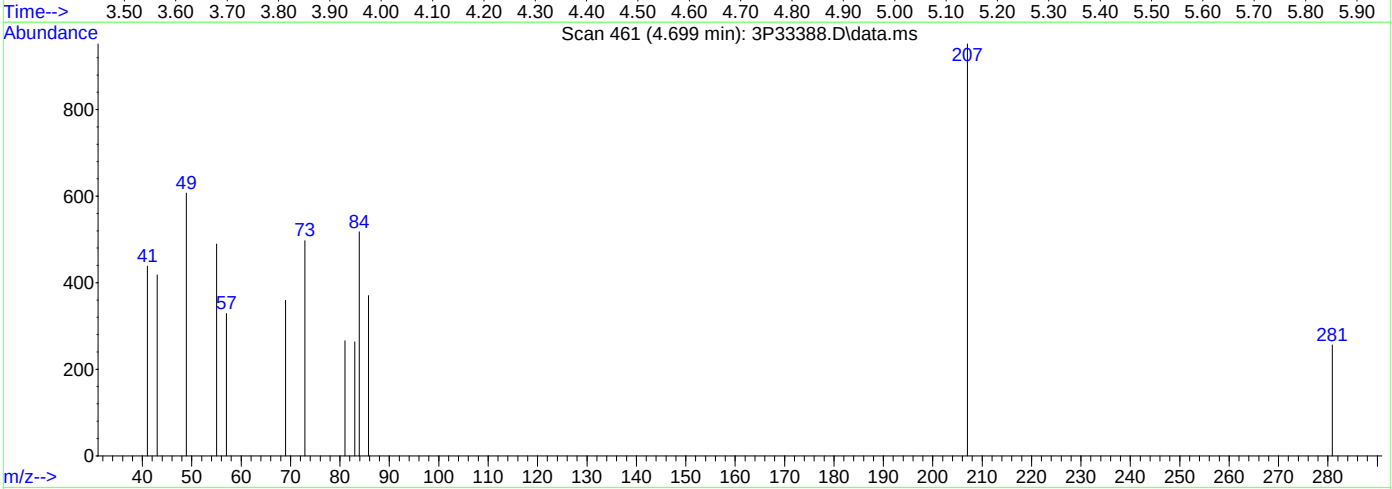
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33388.D
Acq On : 2 Jul 2014 4:56 pm
Operator : ashleyd
Sample : dftpp
Misc : op75725,e3p1427
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 17:02:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33388.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

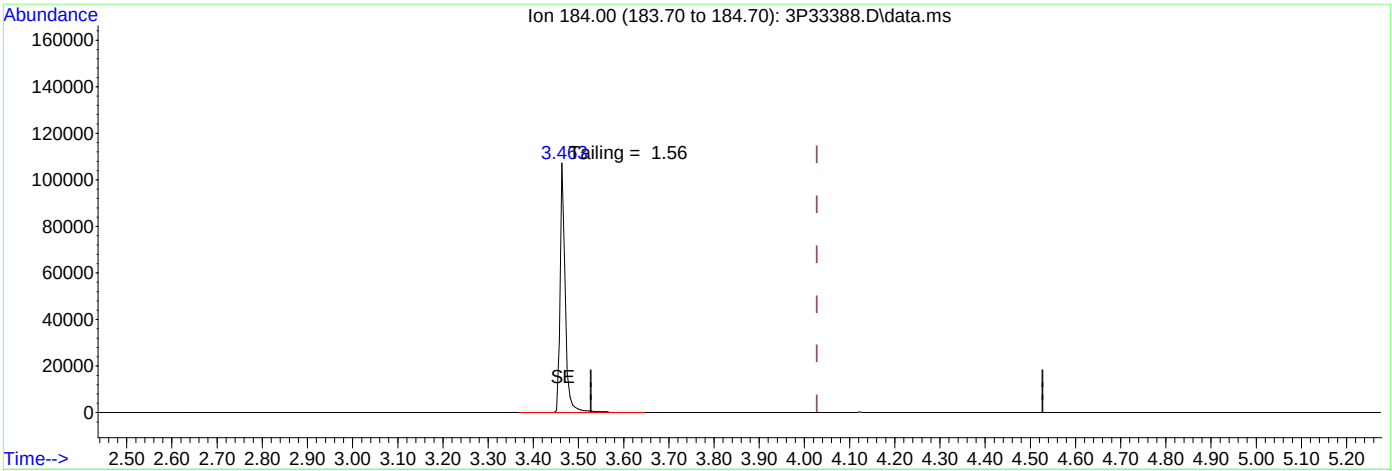
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

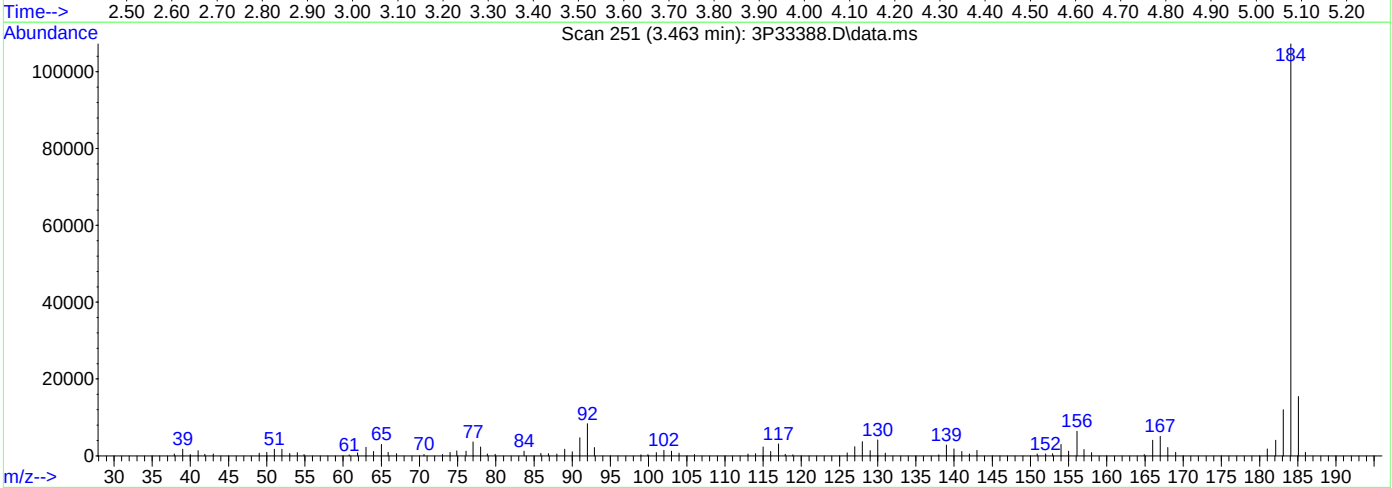
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33388.D
Acq On : 2 Jul 2014 4:56 pm
Operator : ashleyd
Sample : dftpp
Misc : op75725,e3p1427
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 02 17:02:03 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33388.D\data.ms

(2) Benzidine

3.463min (-0.564) 4.92ppb m

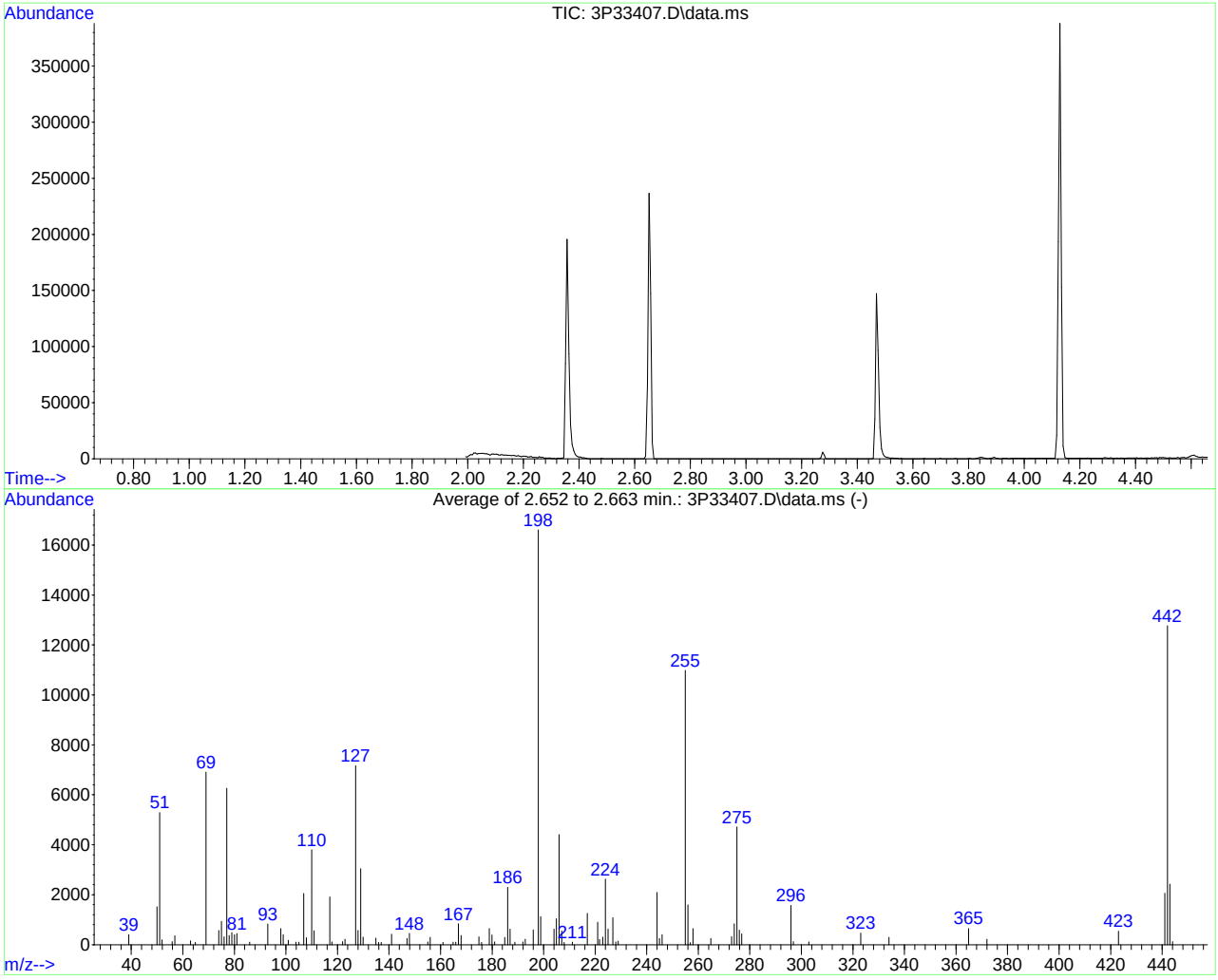
response 845790

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data File : C:\msdchem\1\DATA\E3P1428\3P33407.D Vial: 1
Acq On : 3 Jul 2014 11:02 am Operator: samtap
Sample : dftpp Inst : MS3P
Misc : op75725,e3p1428 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 113, 114, 115; Background Corrected with Scan 108

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.9	5288	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	41.6	6912	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	43.2	7166	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	16602	PASS
199	198	5	9	6.7	1120	PASS
275	198	10	30	28.4	4720	PASS
365	198	1	100	3.9	650	PASS
441	443	0.01	100	84.9	2059	PASS
442	198	40	100	76.9	12768	PASS
443	442	17	23	19.0	2426	PASS

3P33407.D DFTPP3P.M Thu Jul 03 13:49:59 2014 RPT1

Average of 2.652 to 2.663 min.: 3P33407.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	401	76.05	314	103.90	103	128.00	566
50.00	1524	77.00	6256	105.00	97	129.00	3039
51.00	5288	78.00	367	106.95	2048	129.90	304
51.90	195	79.00	489	107.95	282	134.95	263
55.90	128	80.00	399	110.00	3794	135.90	91
56.90	352	81.00	446	110.95	561	137.00	86
63.00	154	85.90	105	117.00	1910	140.95	419
64.90	91	92.95	824	117.90	108	146.95	249
69.00	6912	98.00	646	122.00	128	147.95	457
73.95	566	98.95	399	122.95	221	155.00	112
74.95	930	100.90	177	127.00	7166	155.95	289

Average of 2.652 to 2.663 min.: 3P33407.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
160.90	94	186.00	2292	207.00	554	228.90	142
164.90	104	187.00	621	207.90	88	244.00	2092
165.90	97	188.80	102	211.10	102	244.95	255
166.95	833	191.90	110	216.90	1252	245.95	399
168.00	367	192.90	223	220.95	903	255.00	10984
174.90	312	195.95	591	221.65	213	256.00	1588
175.90	87	197.90	16602	222.95	303	256.90	84
178.90	649	198.90	1120	224.00	2631	257.95	641
179.95	387	204.00	623	225.00	628	264.90	251
181.00	116	205.00	1035	226.90	1084	272.90	329
184.95	294	206.00	4408	228.00	108	273.95	835

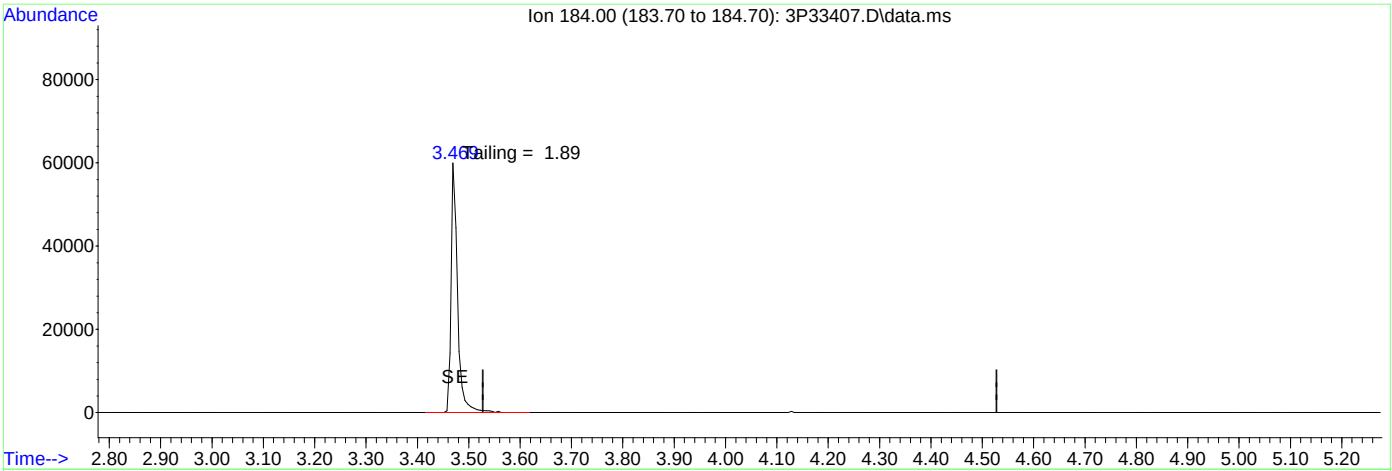
Average of 2.652 to 2.663 min.: 3P33407.D\data.ms
dftpp
Modified:subtracted

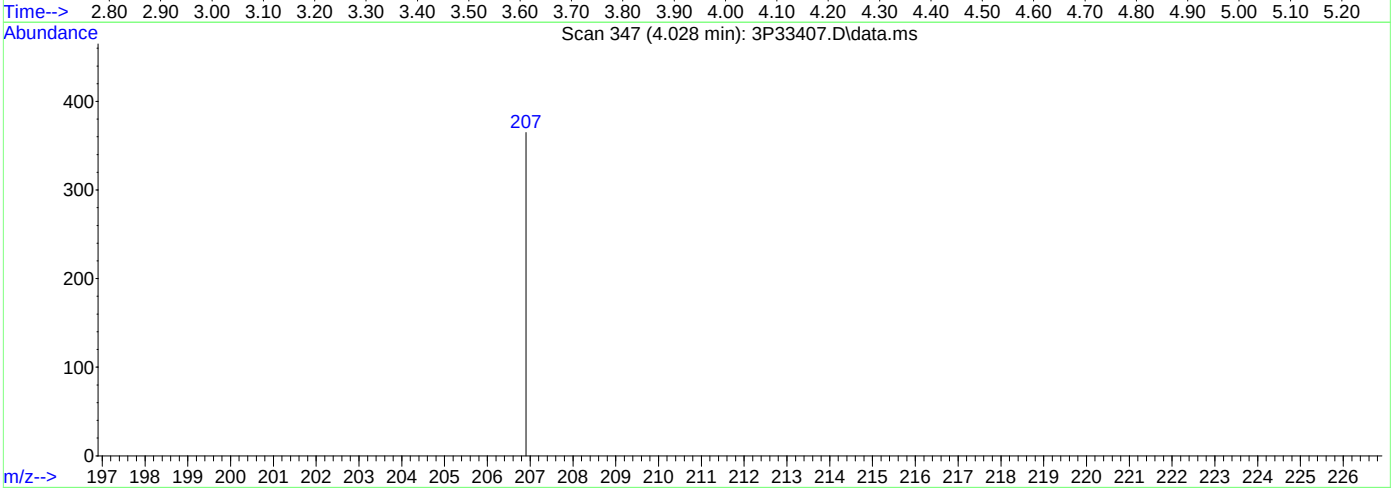
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
275.00	4720	441.00	2059				
275.95	580	442.00	12768				
276.90	432	443.00	2426				
295.95	1570	444.00	118				
296.90	123						
302.90	110						
323.00	464						
333.95	293						
364.90	650						
372.00	217						
423.00	543						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1428\
Data File : 3P33407.D
Acq On : 3 Jul 2014 11:02 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1428
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 11:08:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33407.D\data.ms

(2) Benzidine

4.028min (-4.028) 0.00ppb

response 0

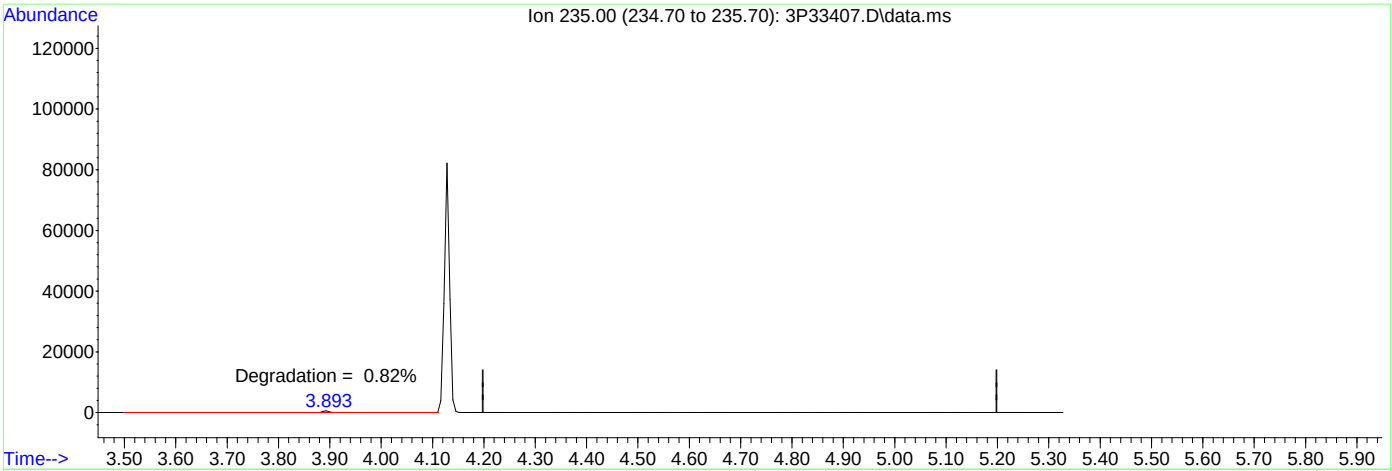
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

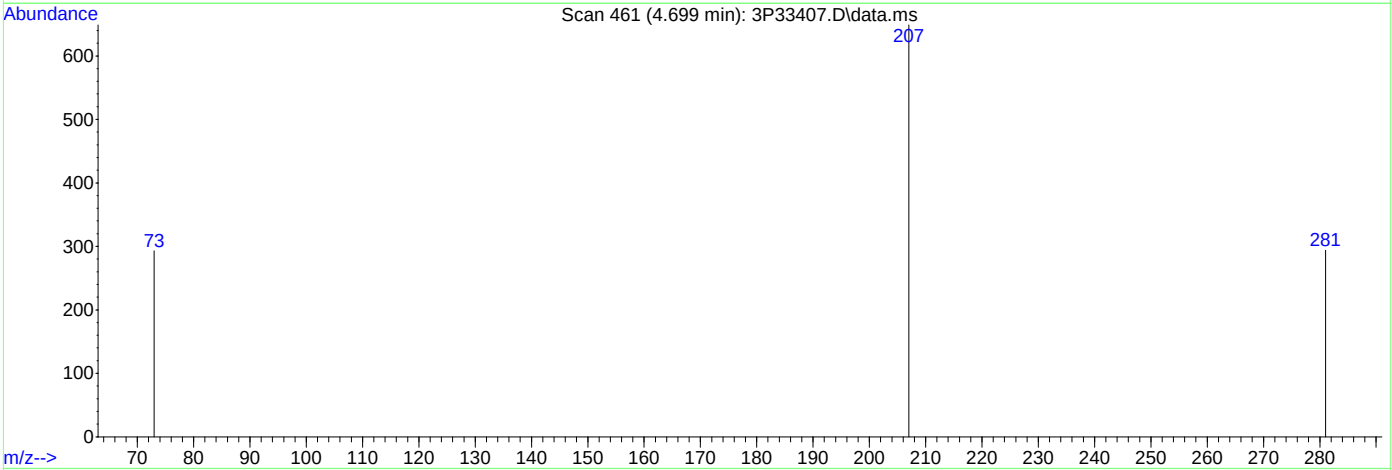
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1428\
Data File : 3P33407.D
Acq On : 3 Jul 2014 11:02 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1428
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 11:08:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33407.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

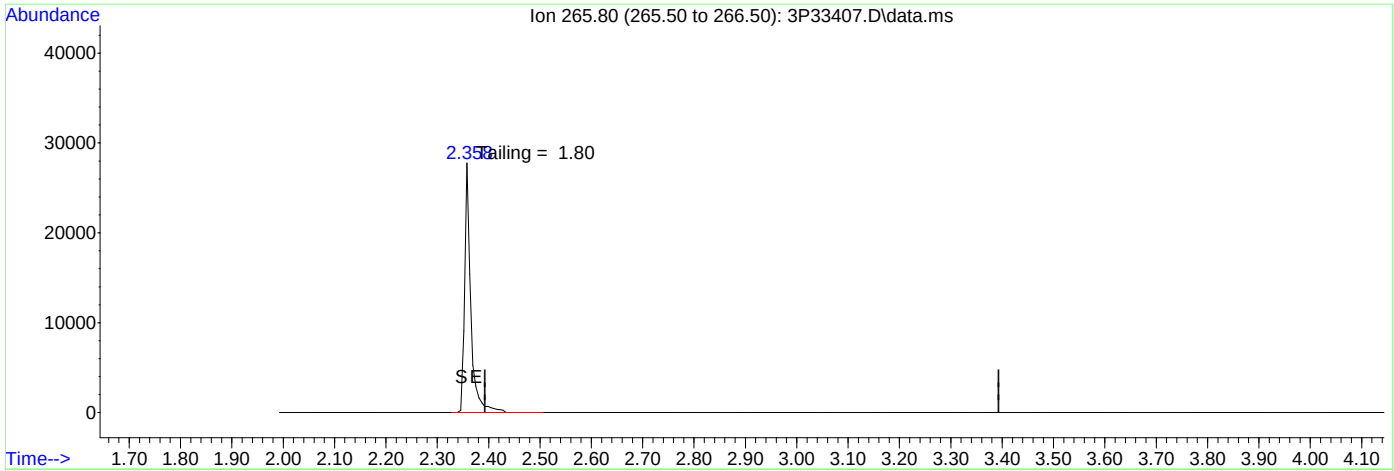
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

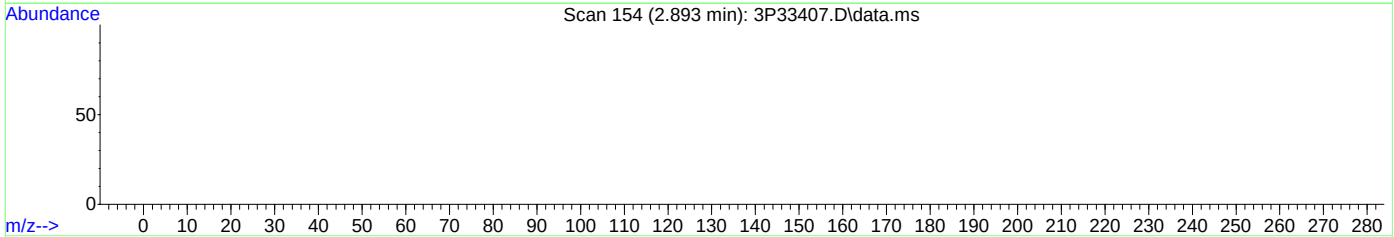
ACCUTEST LABORATORIES
JB69926

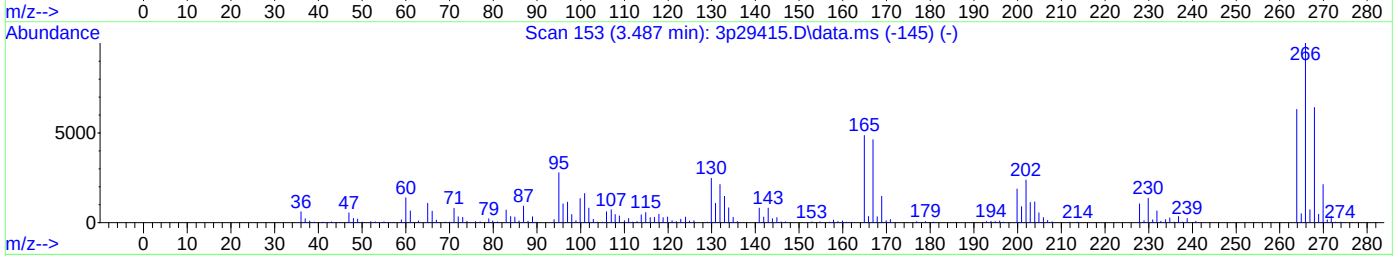
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1428\
Data File : 3P33407.D
Acq On : 3 Jul 2014 11:02 am
Operator : samtap
Sample : dftpp
Misc : op75725,e3p1428
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 11:08:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration







TIC: 3P33407.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

response 0

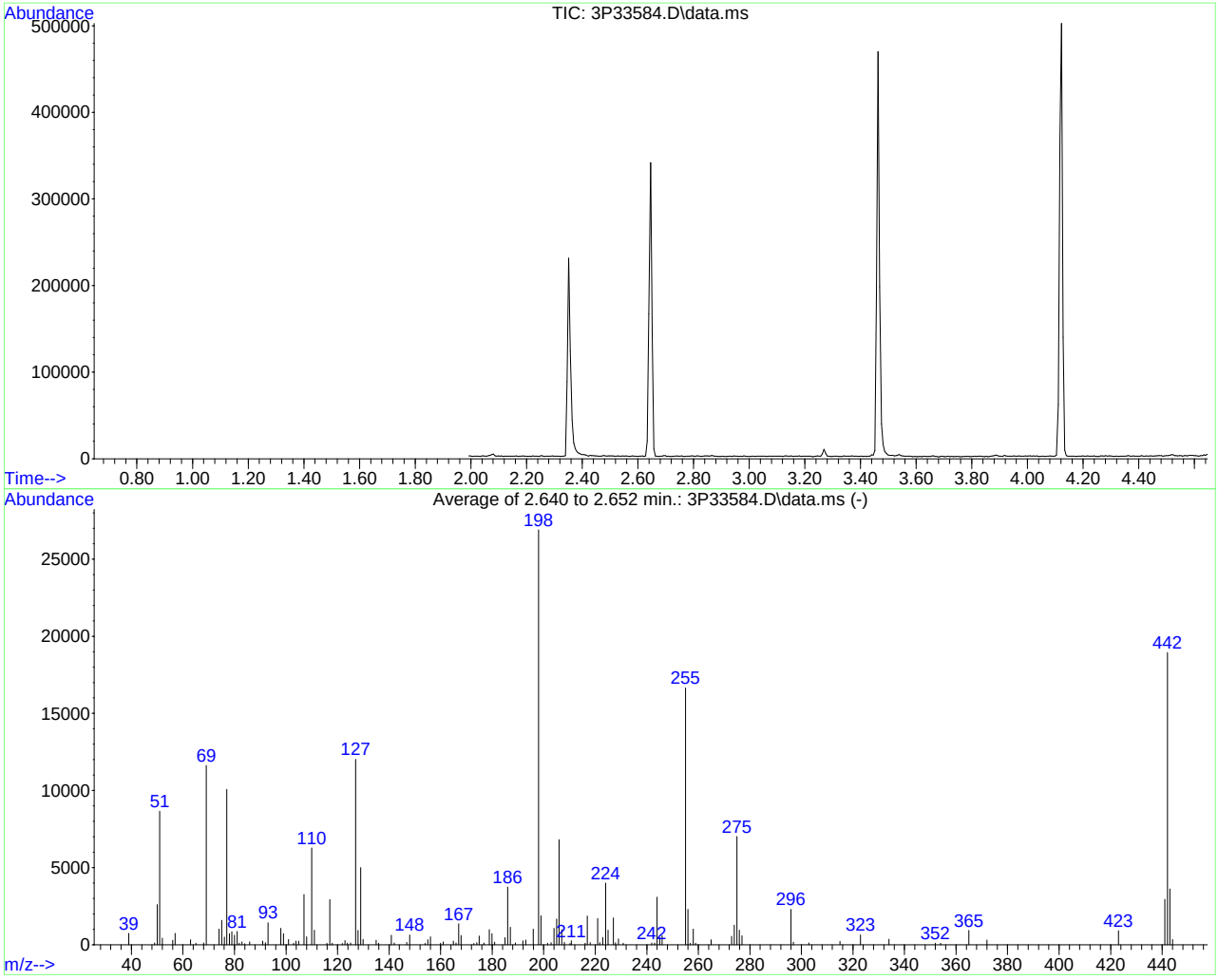
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

DFTPP

Data File : C:\msdchem\1\DATA\E3P1436\3P33584.D Vial: 1
Acq On : 9 Jul 2014 2:26 pm Operator: samtap
Sample : dftpp Inst : MS3P
Misc : op76156,e3p1436 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 111, 112, 113; Background Corrected with Scan 107

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.2	8648	PASS
68	69	0.00	2	1.0	121	PASS
69	198	0.00	100	43.2	11617	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.7	12016	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	26891	PASS
199	198	5	9	7.0	1872	PASS
275	198	10	30	26.1	7017	PASS
365	198	1	100	3.4	917	PASS
441	443	0.01	100	81.2	2940	PASS
442	198	40	100	70.5	18951	PASS
443	442	17	23	19.1	3620	PASS

3P33584.D DFTPP3P.M Thu Jul 10 10:41:49 2014 RPT1

ACCUTEST LABORATORIES
JB69926

Average of 2.640 to 2.652 min.: 3P33584.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.00	730	74.00	1011	85.90	174	108.00	504
49.00	118	75.00	1583	91.00	233	110.00	6281
50.00	2597	76.05	484	92.00	126	110.95	948
50.95	8648	77.00	10072	93.00	1431	115.90	102
52.00	418	78.00	715	97.95	1056	117.00	2918
56.00	280	79.00	832	99.00	725	117.90	92
57.00	730	79.95	618	100.95	337	121.80	84
63.00	327	81.00	852	102.90	93	122.90	269
65.00	97	81.90	100	103.90	241	123.80	93
68.00	121	82.90	189	104.90	230	125.00	110
69.00	11617	83.90	53	107.00	3255	127.00	12016

Average of 2.640 to 2.652 min.: 3P33584.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.95	932	156.00	505	178.90	983	198.90	1872
129.00	4990	160.00	96	179.95	725	201.50	87
129.95	338	161.00	175	180.90	164	202.90	122
135.00	286	164.95	230	185.00	464	203.95	1067
135.90	88	166.00	119	186.00	3733	205.00	1671
140.90	618	167.00	1353	187.00	1137	206.00	6817
142.00	110	167.90	589	189.00	111	207.00	968
146.90	142	172.90	86	191.90	251	208.00	153
147.95	636	174.00	137	193.00	296	210.20	84
154.00	84	175.00	557	195.95	1016	210.75	244
155.00	319	176.80	106	197.95	26891	216.10	88

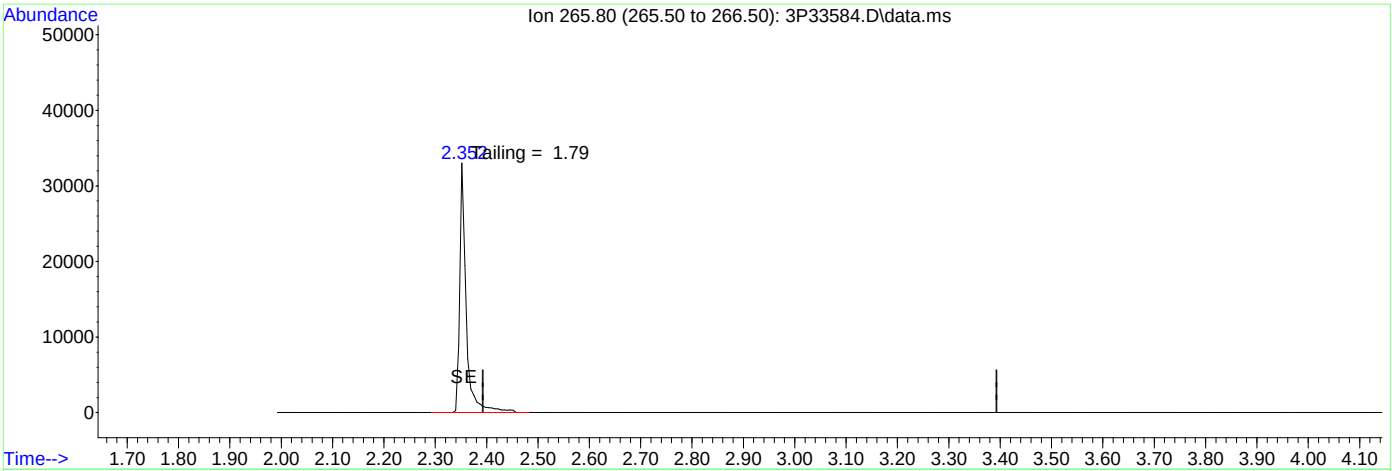
Average of 2.640 to 2.652 min.: 3P33584.D\data.ms
dftpp
Modified:subtracted

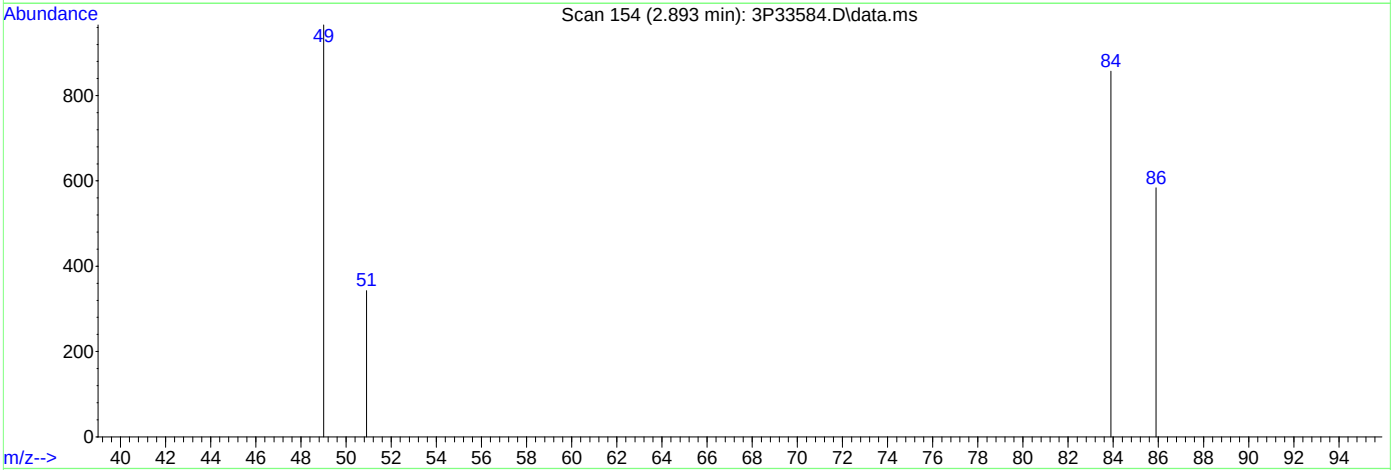
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
216.90	1859	241.90	112	272.95	546	352.00	96
218.00	128	243.00	107	273.95	1261	354.00	102
220.95	1696	244.00	3074	275.00	7017	364.95	917
221.80	136	245.05	433	275.95	946	372.00	295
222.95	472	245.90	579	276.95	585	423.00	902
224.00	3996	255.00	16647	296.00	2284	441.05	2940
225.00	936	256.00	2284	296.90	171	442.10	18951
227.00	1730	256.90	102	302.90	112	443.00	3620
227.90	126	258.00	1007	314.95	210	444.00	330
228.95	369	259.00	100	322.95	639		
230.90	89	264.90	318	334.00	355		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33584.D
Acq On : 9 Jul 2014 2:26 pm
Operator : samtap
Sample : dftpp
Misc : op76156,e3p1436
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 09 14:31:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33584.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

response 0

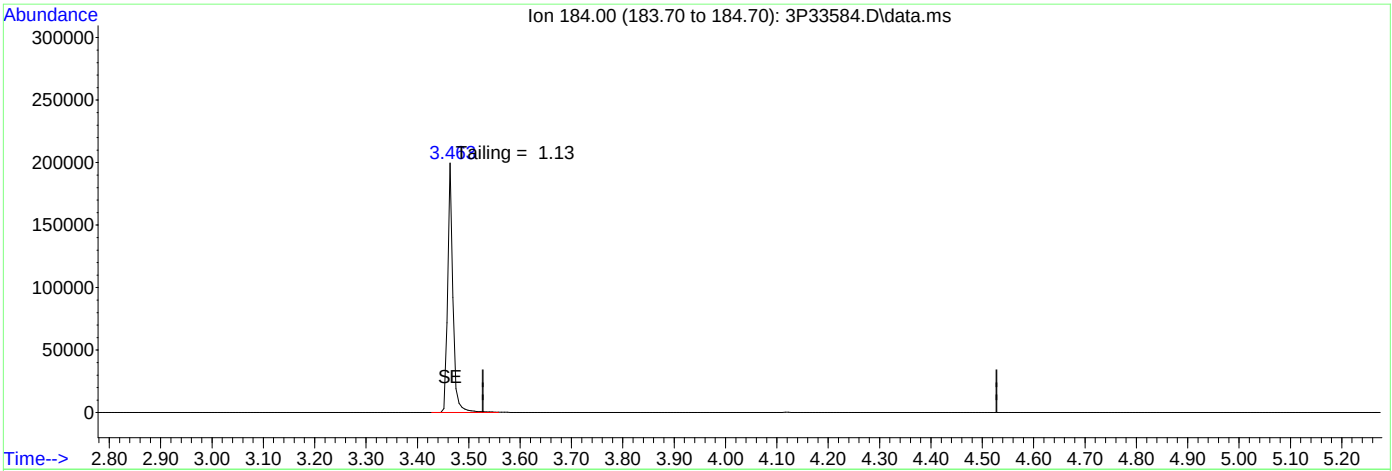
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

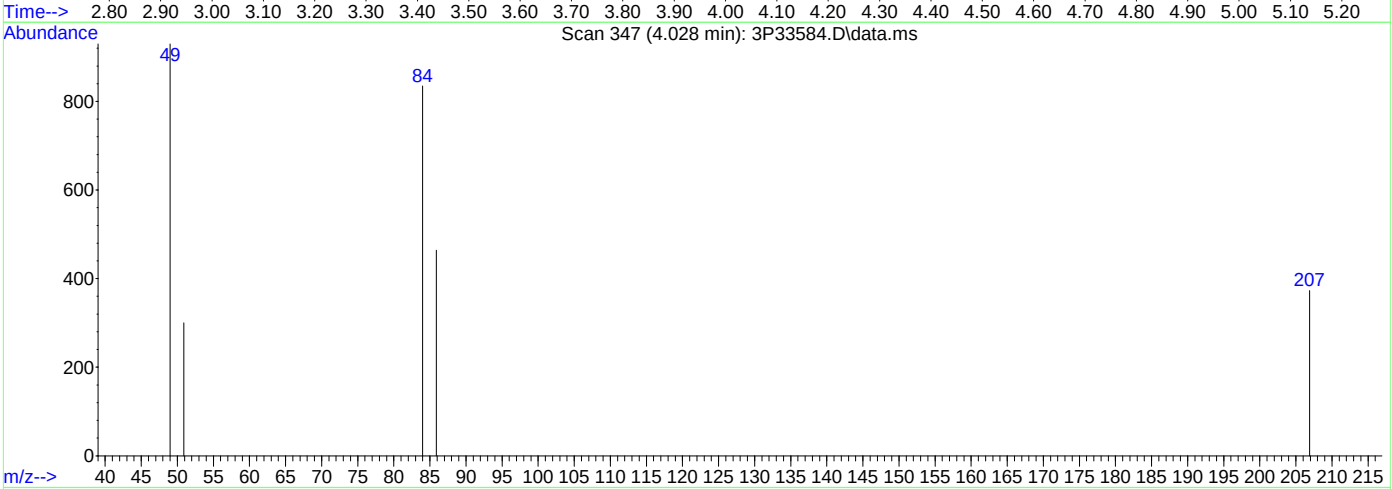
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33584.D
Acq On : 9 Jul 2014 2:26 pm
Operator : samtap
Sample : dftpp
Misc : op76156,e3p1436
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 09 14:31:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33584.D\data.ms

(2) Benzidine

4.028min 0.00ppb d

response 0

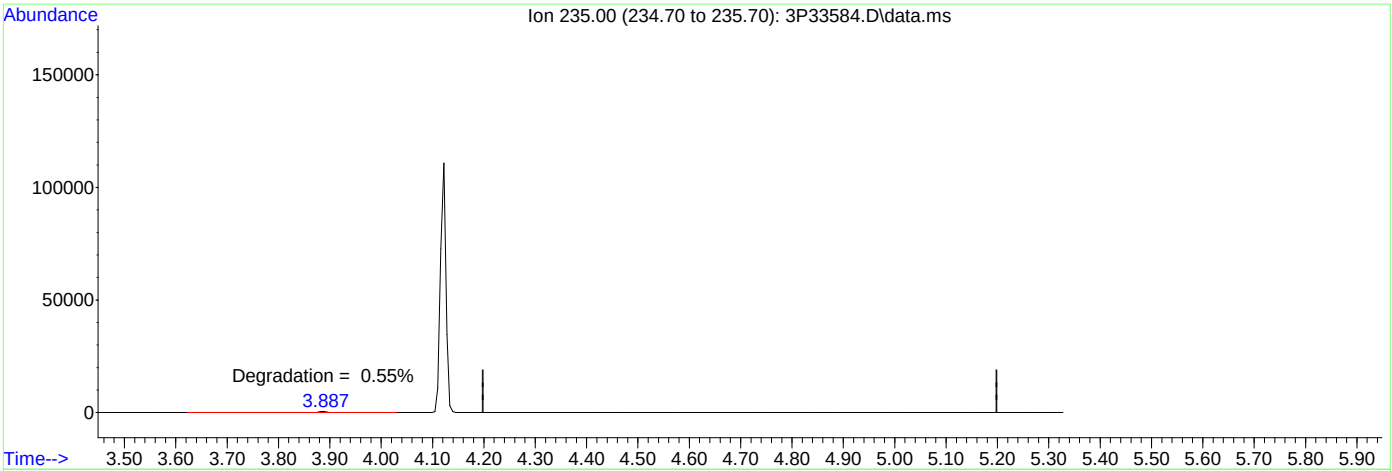
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

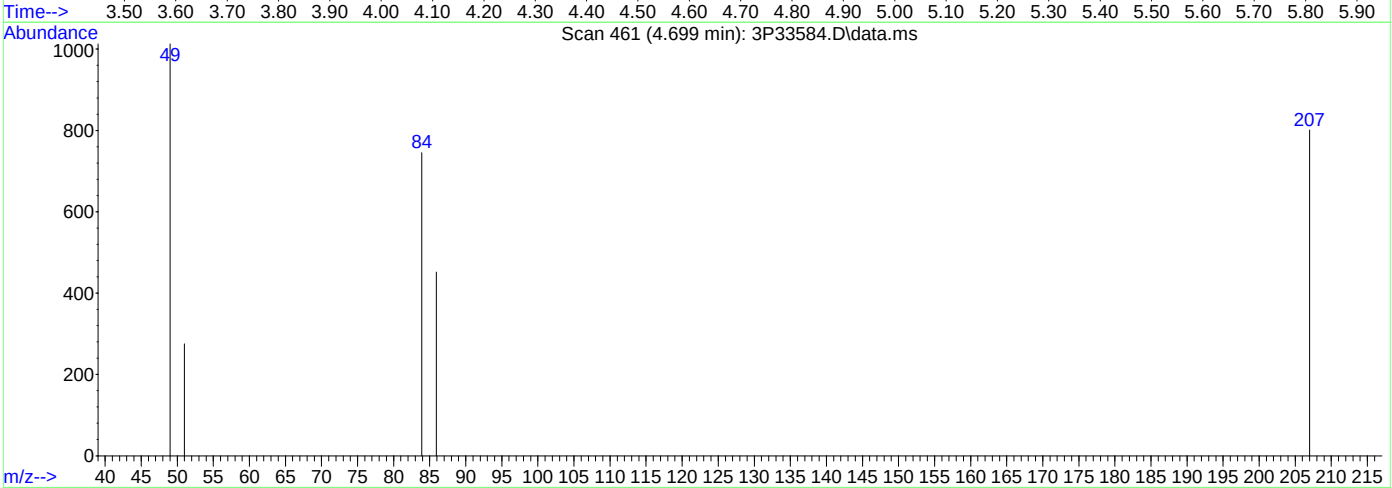
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33584.D
Acq On : 9 Jul 2014 2:26 pm
Operator : samtap
Sample : dftpp
Misc : op76156,e3p1436
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 09 16:40:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33584.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

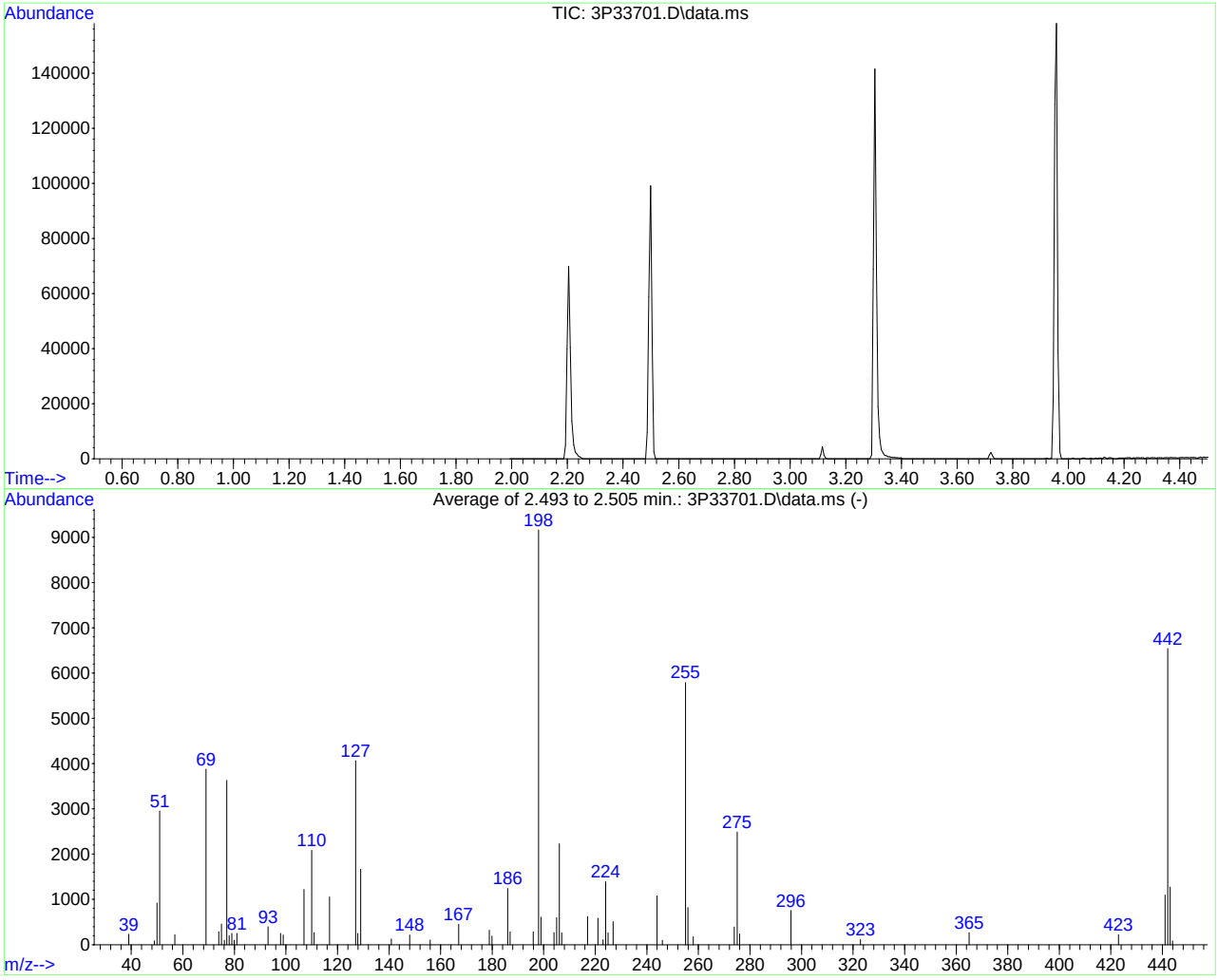
Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

DFTPP

Data File : C:\msdchem\1\DATA\E3P1441\3P33701.D Vial: 1
Acq On : 11 Jul 2014 3:42 pm Operator: francism
Sample : dftpp Inst : MS3P
Misc : op76295,e3p1441,1000,,,1,1 Multiplr: 1.00
MS Integration Params: events.e

Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M (ChemStation Integrator)
Title :



AutoFind: Scans 86, 87, 88; Background Corrected with Scan 82

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.3	2957	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	42.3	3880	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.4	4064	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	9162	PASS
199	198	5	9	6.6	608	PASS
275	198	10	30	27.2	2493	PASS
365	198	1	100	2.9	266	PASS
441	443	0.01	100	86.1	1094	PASS
442	198	40	100	71.4	6543	PASS
443	442	17	23	19.4	1271	PASS

3P33701.D DFTPP3P.M Sat Jul 12 11:39:50 2014 RPT1

Average of 2.493 to 2.505 min.: 3P33701.D\data.ms
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
39.05	233	78.95	251	127.90	248	197.95	9162
48.90	83	79.90	97	129.00	1668	198.90	608
50.00	922	80.95	248	140.90	125	203.95	270
51.00	2957	93.00	397	147.95	214	205.00	597
56.90	218	97.95	250	156.00	103	206.00	2231
68.95	3880	98.95	214	166.95	448	207.00	259
73.95	285	107.00	1219	178.90	322	216.95	621
75.00	455	110.00	2087	179.95	192	221.05	587
76.10	97	110.95	265	186.00	1245	223.00	111
77.00	3630	116.95	1056	186.95	286	224.00	1391
78.00	198	127.00	4064	195.95	285	224.95	262

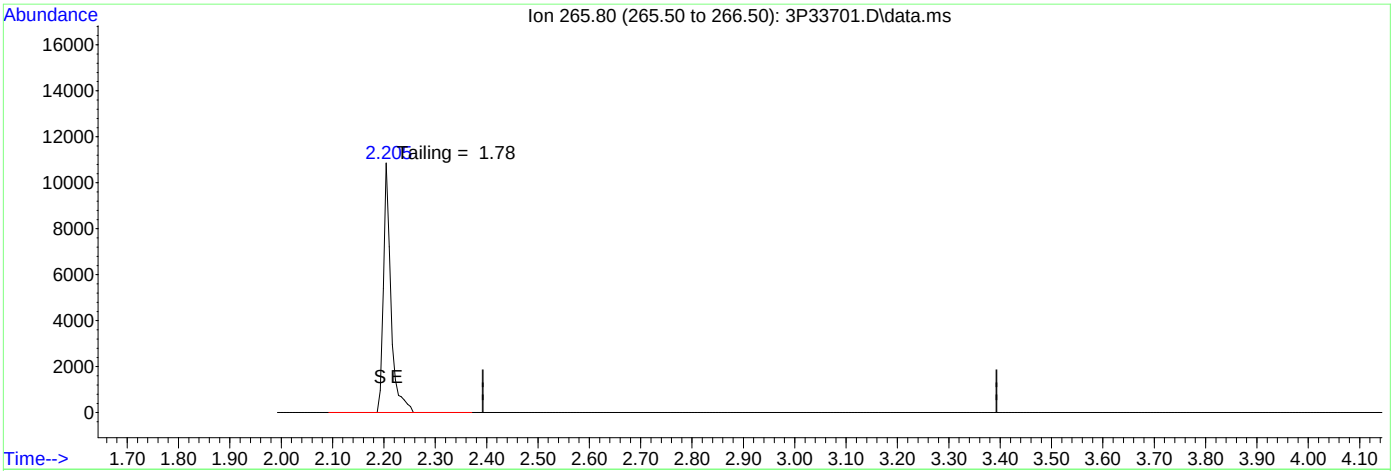
Average of 2.493 to 2.505 min.: 3P33701.D\data.ms
dftpp
Modified:subtracted

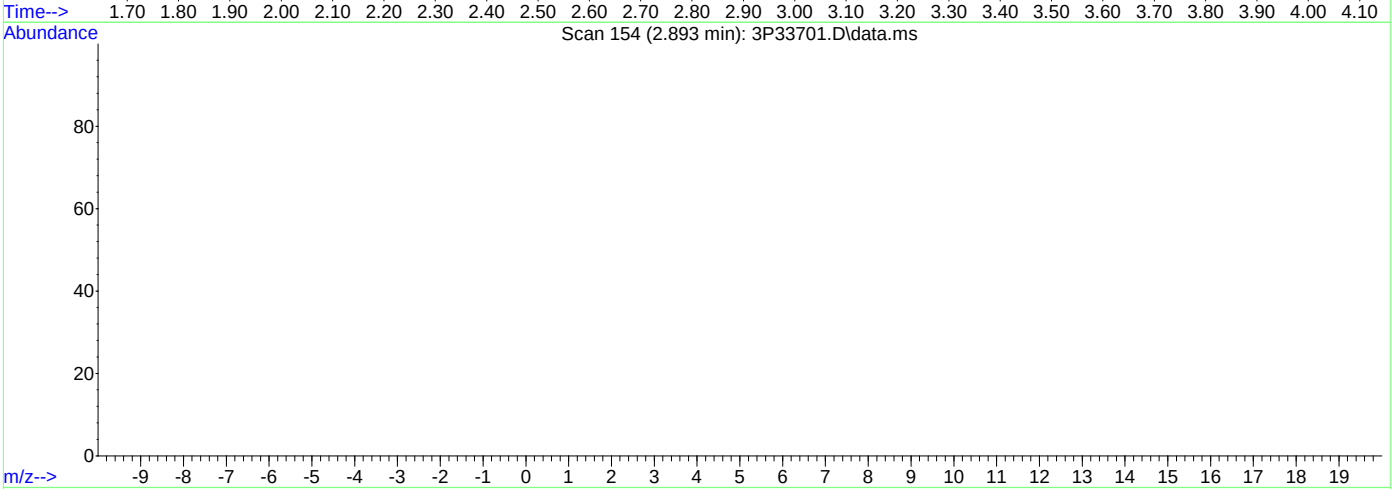
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
226.95	508	365.00	266				
244.00	1082	423.00	223				
246.00	95	441.05	1094				
255.00	5792	442.05	6543				
255.95	820	443.00	1271				
258.00	174	443.90	84				
273.95	393						
275.00	2493						
275.95	236						
295.95	753						
322.90	112						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1441\
Data File : 3P33701.D
Acq On : 11 Jul 2014 3:42 pm
Operator : francism
Sample : dftpp
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 11 15:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33701.D\data.ms

(1) Pentachlorophenol

2.893min (-2.893) 0.00ppb

response 0

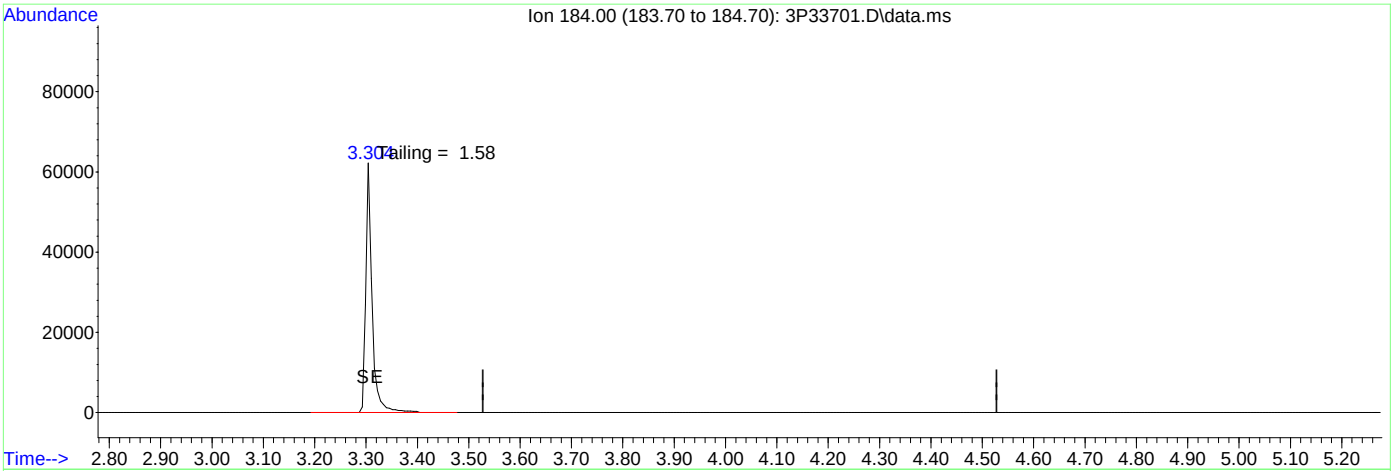
Ion	Exp%	Act%
265.80	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

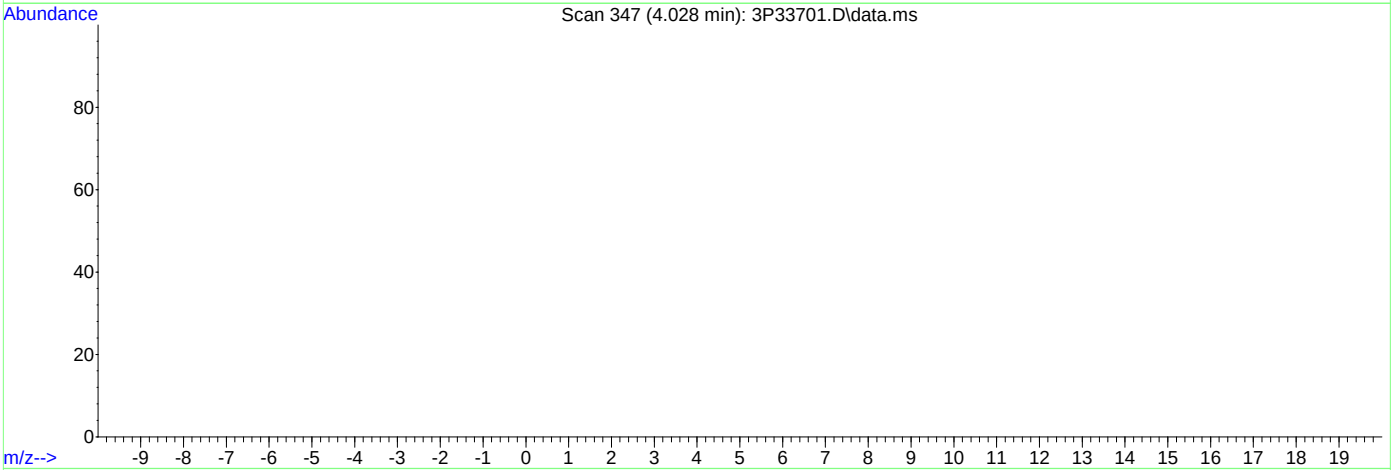
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1441\
Data File : 3P33701.D
Acq On : 11 Jul 2014 3:42 pm
Operator : francism
Sample : dftpp
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 11 15:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33701.D\data.ms

(2) Benzidine

4.028min (-4.028) 0.00ppb

response 0

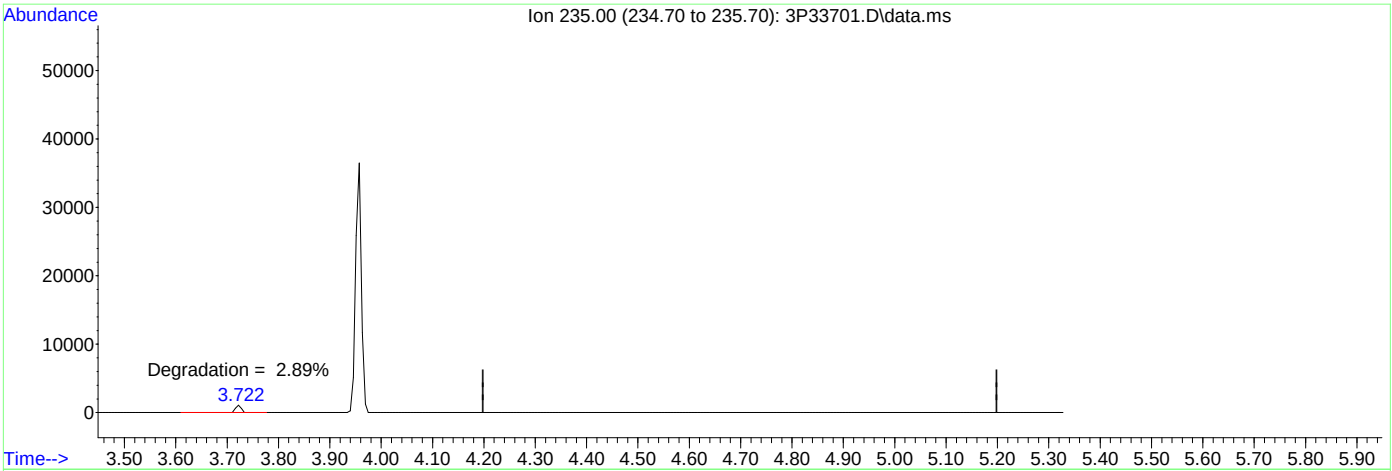
Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

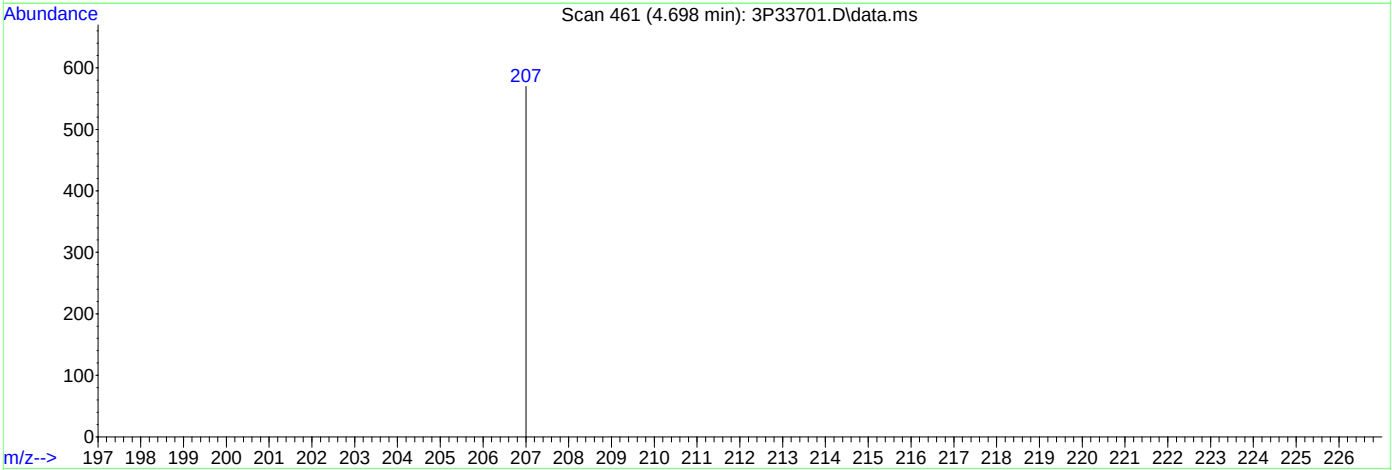
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1441\
Data File : 3P33701.D
Acq On : 11 Jul 2014 3:42 pm
Operator : francism
Sample : dftpp
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 11 15:47:35 2014
Quant Method : C:\MSDCHEM\1\METHODS\DFTPP3P.M
Quant Title :
QLast Update : Sat Jun 14 15:44:08 2014
Response via : Initial Calibration





TIC: 3P33701.D\data.ms

(3) PP-DDT

4.698min (-4.698) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

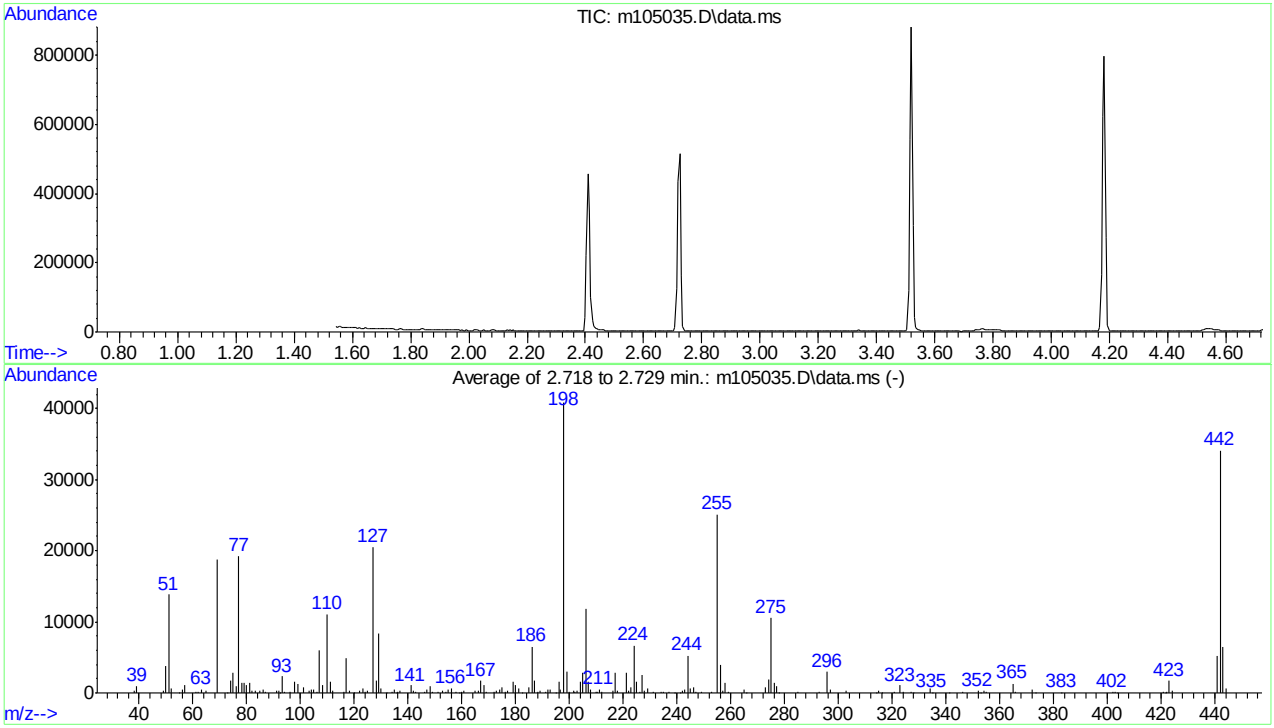
ACCUTEST LABORATORIES JB69926

DFTPPR

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 221, 222, 223; Background Corrected with Scan 216

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.8	13811	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	45.8	18716	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.3	20549	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	40824	PASS
199	198	5	9	7.4	3002	PASS
275	198	10	30	25.8	10521	PASS
365	198	1	100	3.3	1331	PASS
441	443	0.10	100	79.5	5152	PASS
442	198	40	100	83.5	34101	PASS
443	442	17	23	19.0	6479	PASS

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.95	243	63.00	526	80.95	1421	95.95	145
39.00	990	65.00	249	82.00	295	97.90	1618
49.00	244	68.95	18716	83.00	305	99.00	1241
50.00	3826	72.80	69	84.90	347	101.00	765
50.95	13811	74.00	1812	85.90	428	103.00	277
52.00	575	75.00	2789	87.00	114	103.90	428
55.00	76	76.05	960	90.95	266	104.90	425
55.95	430	77.00	19288	91.95	358	106.00	130
57.00	1092	78.00	1359	92.30	76	107.00	5967
61.00	172	78.95	1447	93.00	2348	108.00	1083
61.90	203	79.95	1048	94.00	112	110.00	11114

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
111.00	1528	128.00	1747	142.95	175	159.00	81
111.95	277	129.00	8382	145.90	183	159.90	229
115.90	154	130.00	711	146.95	456	160.90	390
116.95	4841	131.80	77	148.00	899	164.90	369
118.00	326	133.95	173	148.95	194	166.00	356
119.90	80	134.95	536	151.00	84	167.00	1733
122.00	375	135.80	72	152.90	282	168.00	1075
123.00	676	136.00	92	153.90	183	168.90	85
123.95	206	136.95	251	155.00	517	171.95	146
124.90	253	140.95	1086	156.00	649	172.90	272
127.00	20549	141.90	310	157.90	207	174.00	420

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
175.00	824	188.90	329	201.80	86	215.95	379
176.10	194	190.95	155	202.95	264	216.90	2793
176.90	389	192.00	464	204.00	1653	217.95	387
178.95	1627	193.00	509	205.00	2799	221.00	2796
180.00	1032	195.00	80	206.00	11894	221.95	298
180.95	691	196.00	1564	207.00	1525	222.95	794
182.20	70	196.60	521	207.90	412	224.00	6625
185.00	801	197.90	40824	210.05	168	225.00	1622
186.00	6462	198.90	3002	210.50	125	226.05	175
187.00	1733	199.90	91	211.00	527	227.00	2576
188.00	204	201.35	246	212.00	93	227.95	283

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
228.95	575	245.95	850	273.00	811	314.00	72
230.95	191	246.90	106	274.00	1913	314.90	387
233.90	147	249.00	116	275.00	10521	316.00	79
234.90	95	252.90	84	276.00	1411	320.90	90
237.00	129	255.00	25128	277.00	918	323.00	1052
239.00	77	256.00	3994	278.00	67	324.00	182
241.00	83	256.95	291	284.90	86	326.90	203
241.95	264	258.00	1397	292.85	160	327.90	67
242.95	463	258.90	160	295.95	2955	334.00	651
244.00	5265	264.95	475	297.00	468	334.90	70
245.00	695	265.80	76	303.00	388	341.00	68

Average of 2.718 to 2.729 min.: m105035.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
346.00	116	403.00	126				
352.00	303	403.90	69				
353.00	67	420.95	155				
353.95	251	421.80	67				

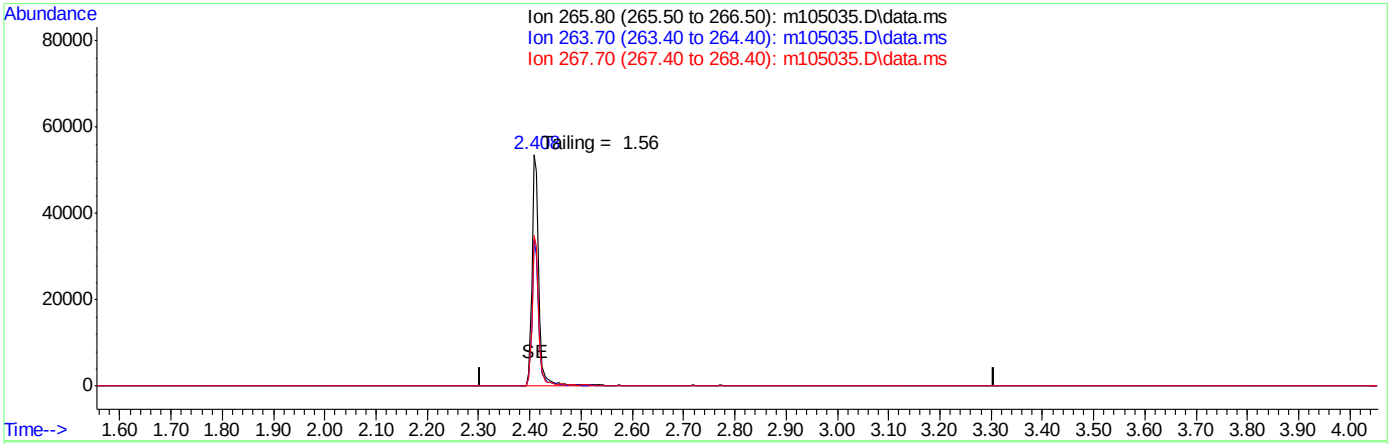
DFTPPm.M Thu Jun 12 12:27:17 2014 MSM

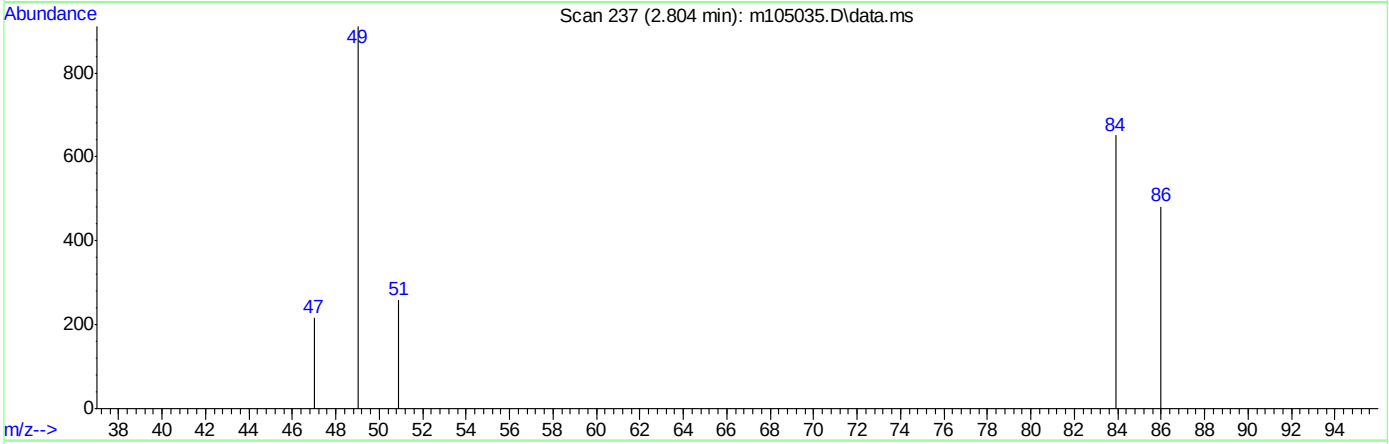
355.10	86	421.95	218
364.95	1331	423.00	1697
365.90	139	423.95	357
372.00	457	441.00	5152
373.10	78	442.00	34101
383.00	74	443.00	6479
402.00	129	444.00	582

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 12:26:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105035.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

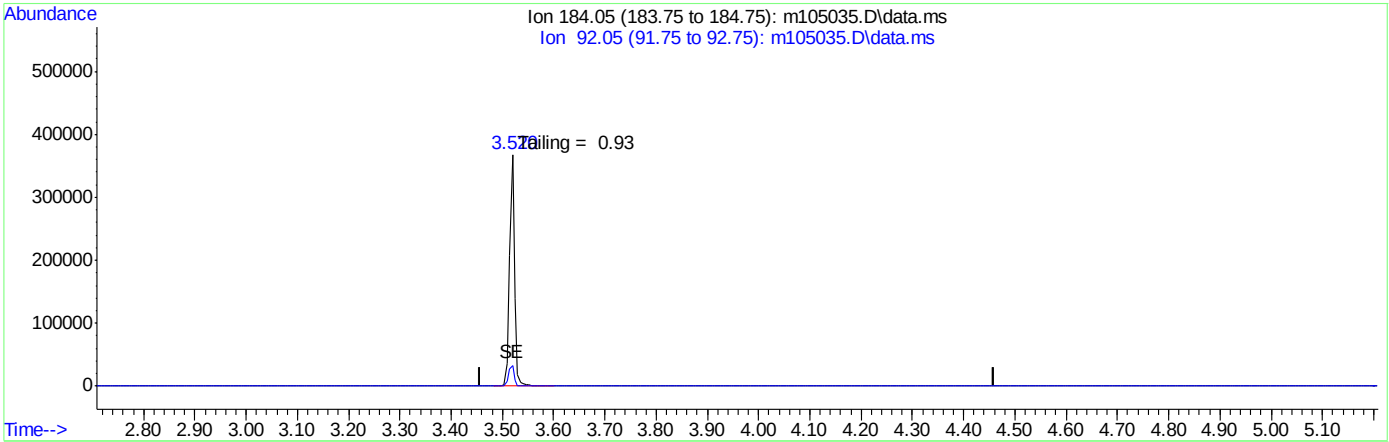
response 0

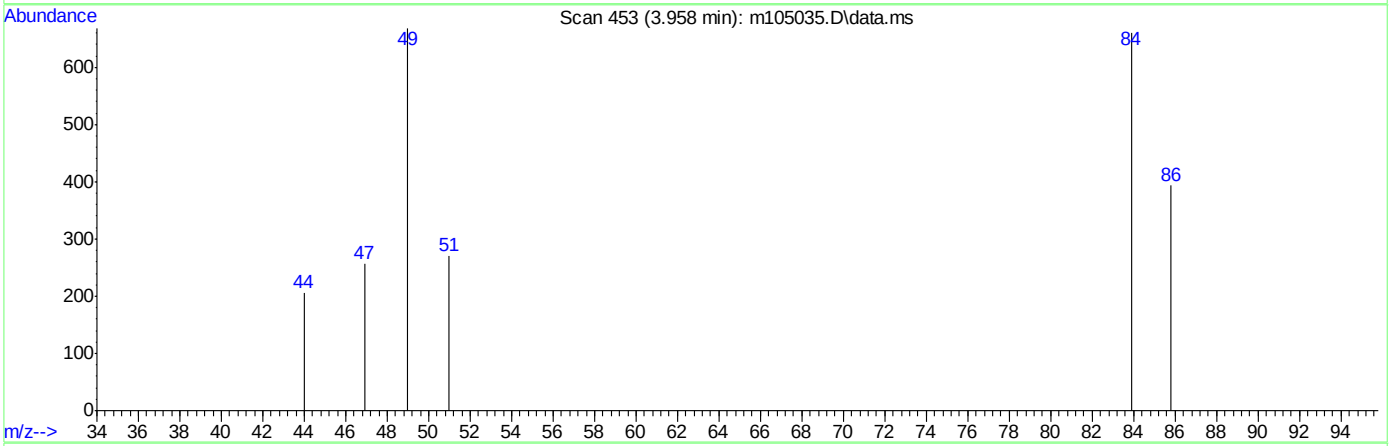
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 12:26:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105035.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

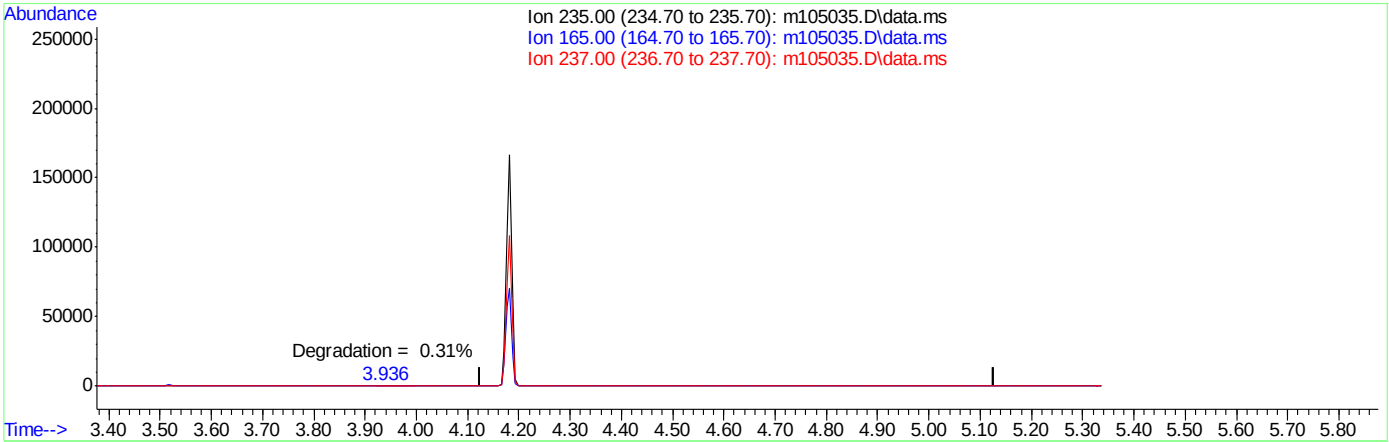
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

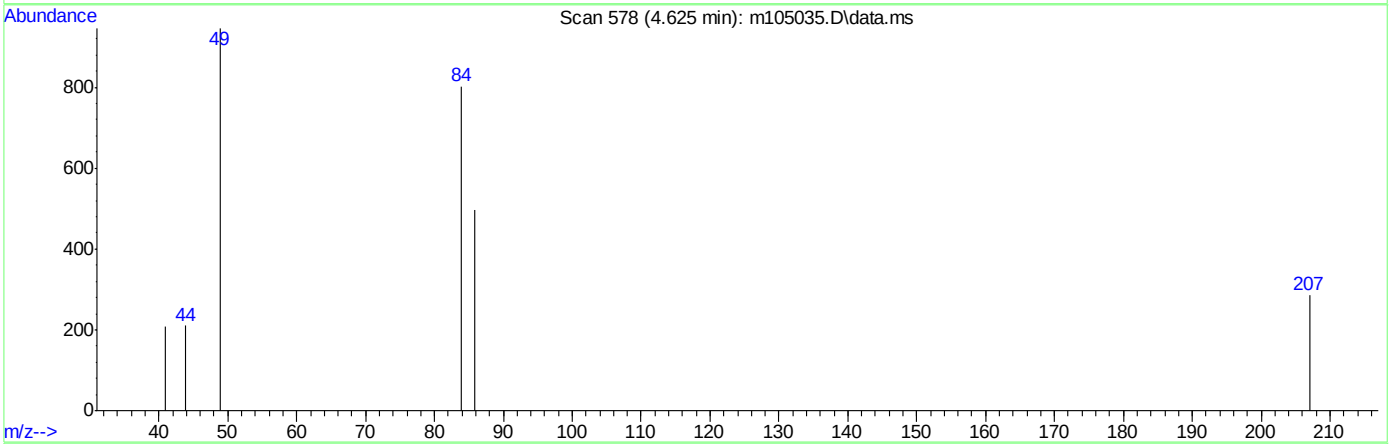
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105035.D
Acq On : 12 Jun 2014 9:52 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4300
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 12:26:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105035.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

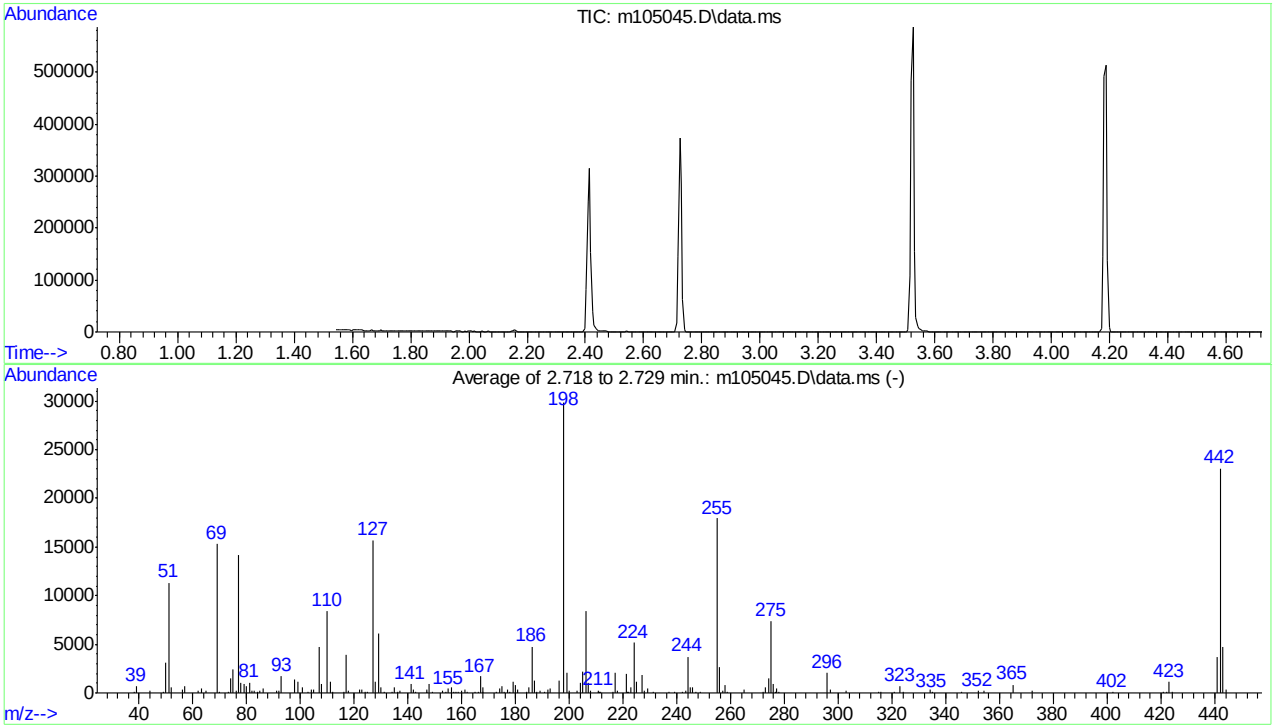
Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

DFTPPR

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 221, 222, 223; Background Corrected with Scan 217

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.9	11315	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	51.2	15288	PASS
70	69	0.00	2	0.5	78	PASS
127	198	40	60	52.6	15691	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	29848	PASS
199	198	5	9	6.9	2069	PASS
275	198	10	30	24.8	7401	PASS
365	198	1	100	2.9	852	PASS
441	443	0.10	100	79.1	3697	PASS
442	198	40	100	77.4	23090	PASS
443	442	17	23	20.2	4672	PASS

Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	149	65.00	197	80.95	1078	100.90	528
38.95	705	68.95	15288	81.90	282	103.00	104
44.00	177	69.90	78	82.95	248	103.85	370
48.90	174	73.00	78	83.90	138	105.00	377
50.00	3102	74.00	1523	84.95	290	107.00	4755
51.00	11315	75.00	2394	85.95	448	108.00	889
52.00	582	76.00	187	91.00	182	110.00	8435
55.95	403	77.00	14119	92.00	285	110.95	1189
56.95	737	78.00	1032	93.00	1761	111.80	70
61.95	193	78.95	948	97.95	1357	116.00	106
63.00	463	79.90	693	99.00	1119	117.00	3905

Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.00	194	135.00	525	154.00	82	167.00	1711
121.95	365	136.00	69	154.95	425	167.80	155
122.95	380	136.95	187	156.00	550	168.00	623
123.90	90	140.95	903	156.90	69	172.90	127
124.90	104	141.95	358	158.00	91	173.95	473
127.00	15691	142.90	85	158.70	69	175.00	639
127.95	1174	146.80	82	159.95	187	175.95	170
129.00	6135	147.00	349	161.00	316	176.85	347
129.95	637	147.95	876	162.00	77	177.90	76
131.00	115	148.90	84	164.95	146	178.90	1160
133.90	76	152.95	218	166.00	109	179.95	762

Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
180.95	361	197.90	29848	211.20	113	227.00	1872
184.00	75	198.90	2069	211.50	86	227.95	229
184.95	588	199.95	184	216.00	83	228.95	450
186.00	4780	202.95	214	216.95	2043	231.00	121
187.00	1243	204.00	1057	217.90	289	236.90	76
188.00	68	205.00	2155	221.00	1991	239.00	68
188.90	247	206.00	8455	221.70	117	242.00	112
190.90	87	207.00	1096	222.00	113	243.10	243
191.95	402	207.95	202	223.00	548	244.00	3692
192.95	446	210.60	93	224.00	5165	245.00	526
196.00	1293	210.95	256	225.00	1169	245.95	603

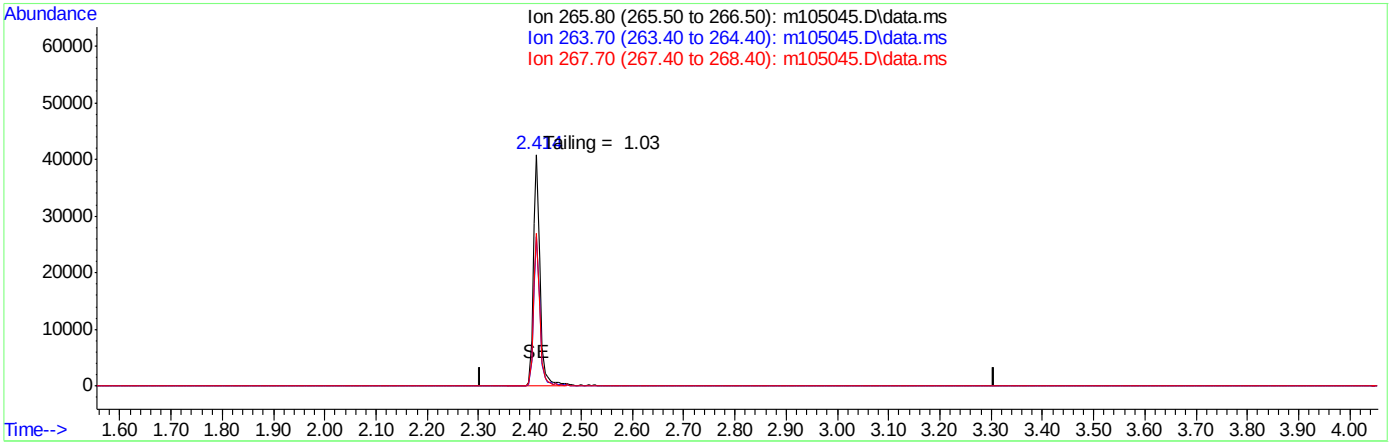
Average of 2.718 to 2.729 min.: m105045.D\data.ms
DFTPP
Modified:subtracted

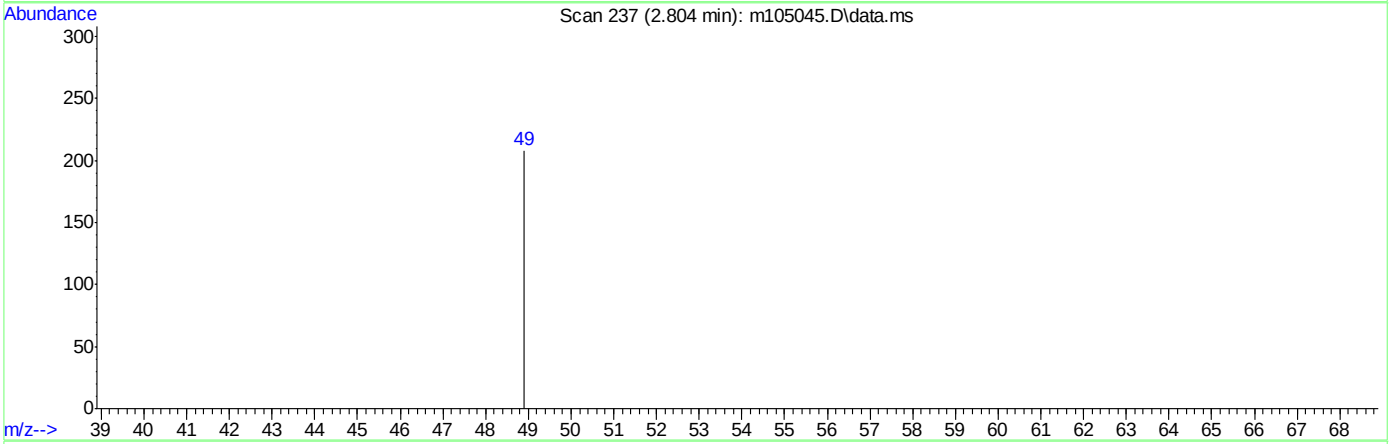
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
246.90	69	275.00	7401	322.95	709	421.90	86
248.90	148	276.00	951	324.00	158	423.00	1100
255.00	17929	276.80	67	333.95	359	424.10	150
255.95	2602	276.95	493	334.90	77	441.00	3697
256.95	223	277.90	68	345.90	90	442.00	23090
257.90	842	296.00	2045	351.95	191	443.00	4672
258.80	89	296.95	368	354.00	186	444.05	366
264.95	334	302.90	240	364.95	852		
271.90	67	314.95	150	371.95	279		
272.95	628	315.90	66	402.00	111		
274.05	1476	321.00	68	420.95	169		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 14:42:32 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105045.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

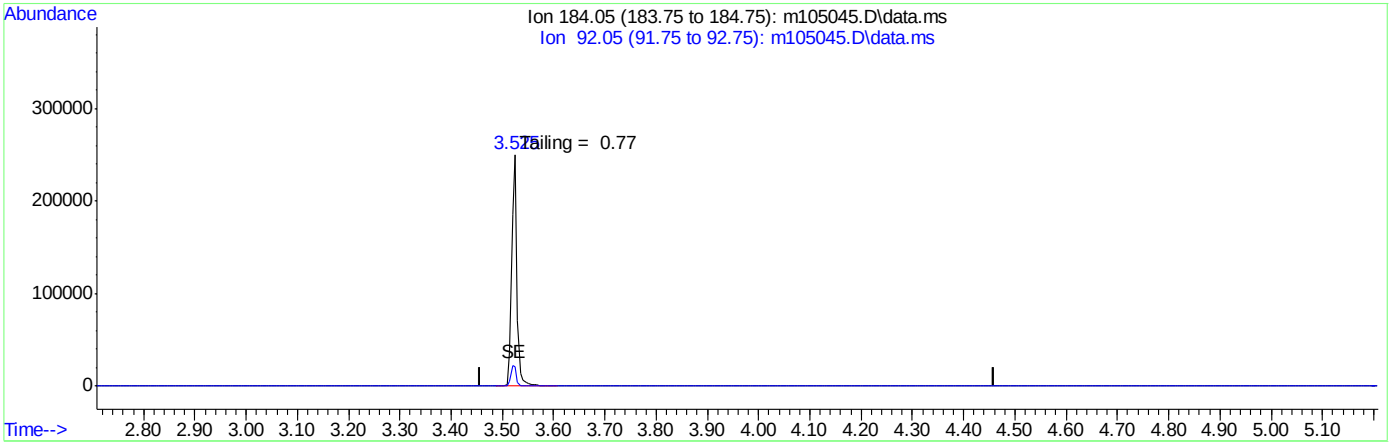
response 0

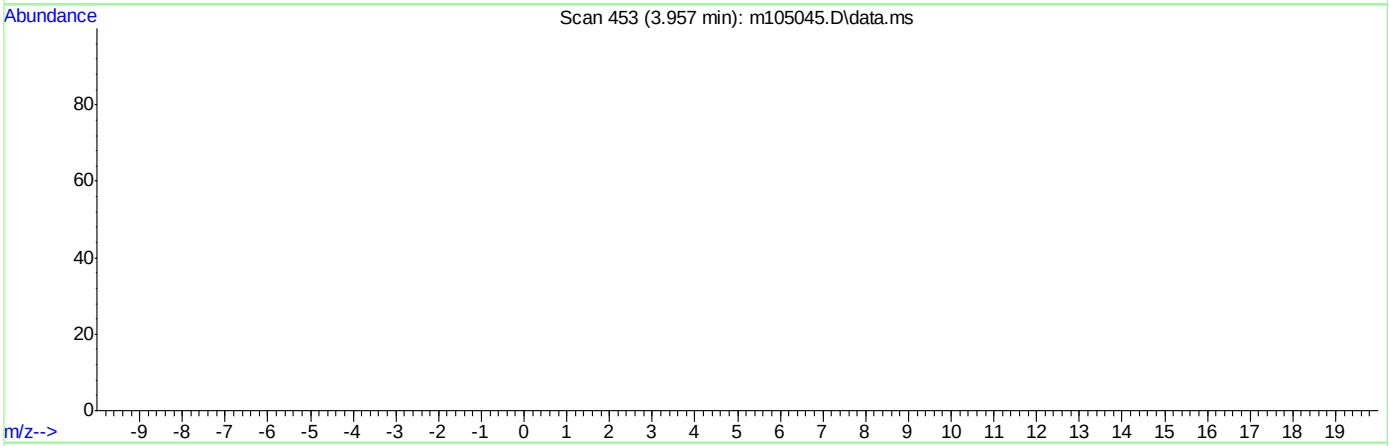
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 14:42:32 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105045.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

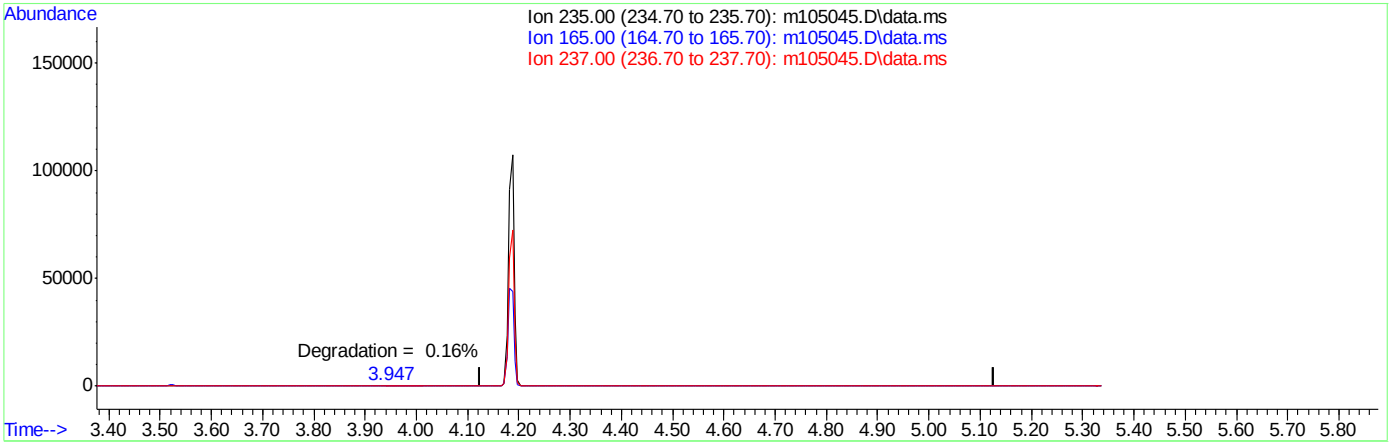
ACCUTEST LABORATORIES JB69926

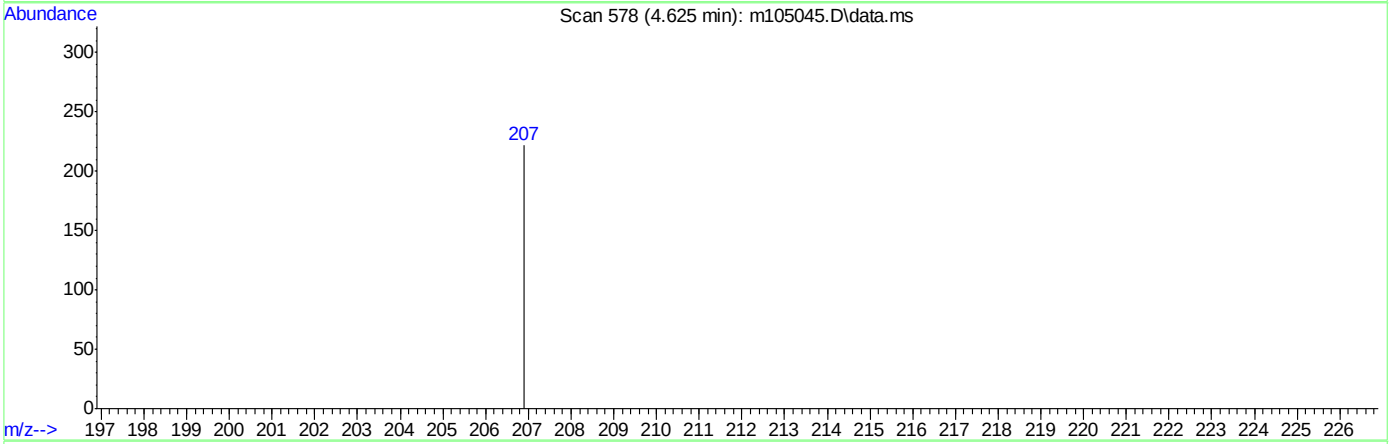
9.5.15.2 9

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105045.D
Acq On : 12 Jun 2014 2:35 pm
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4301
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 12 14:42:32 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105045.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

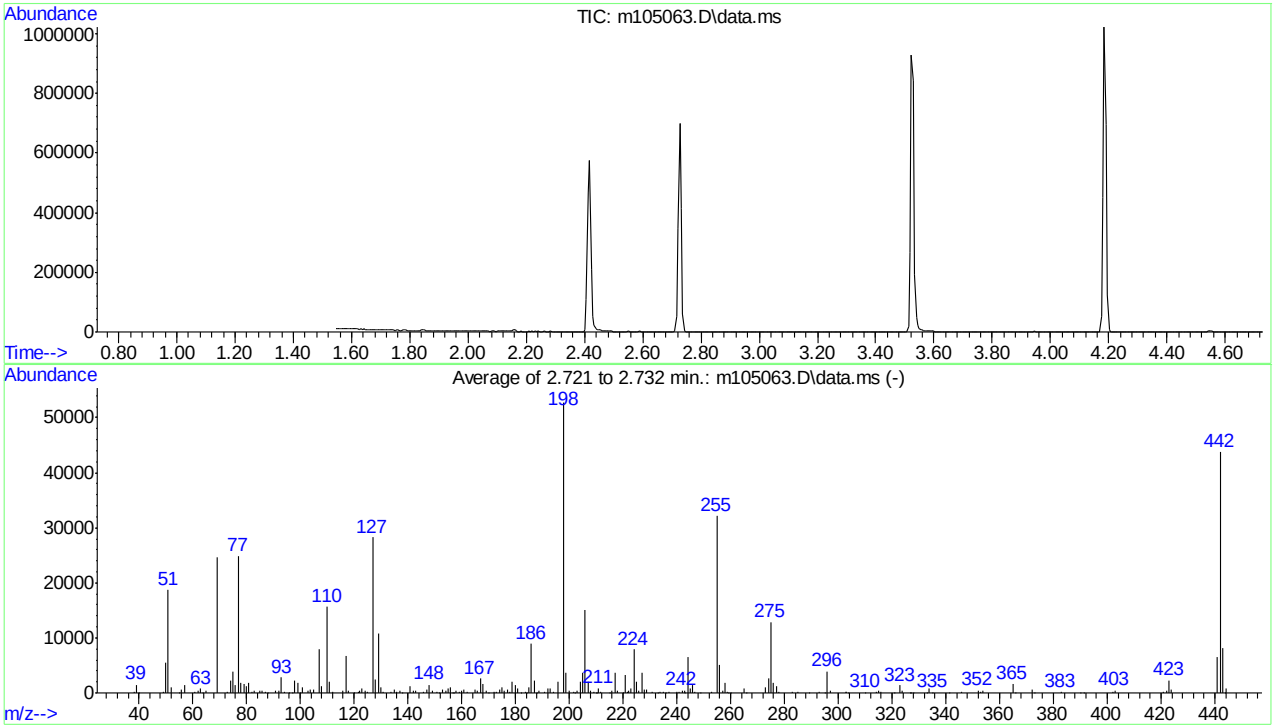
ACCUTEST LABORATORIES JB69926

DFTPPR

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 221, 222, 223; Background Corrected with Scan 217

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	35.4	18660	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	46.8	24667	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	53.6	28253	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	52752	PASS
199	198	5	9	6.9	3640	PASS
275	198	10	30	24.4	12891	PASS
365	198	1	100	3.0	1571	PASS
441	443	0.10	100	79.1	6430	PASS
442	198	40	100	82.9	43745	PASS
443	442	17	23	18.6	8125	PASS

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	296	61.90	383	79.00	1670	93.00	2774
39.00	1490	62.95	773	79.95	1297	94.00	279
40.00	72	63.90	69	80.95	1877	96.00	82
49.00	179	65.00	441	81.95	291	97.20	81
50.00	5431	69.00	24667	82.95	464	98.00	2196
51.00	18660	73.05	199	84.95	337	99.00	1933
52.00	940	74.00	2337	85.95	396	100.10	66
55.00	67	75.00	3834	87.00	191	101.00	940
55.95	607	76.00	1492	88.00	77	102.80	331
57.00	1494	77.00	24849	90.95	443	103.90	715
60.90	162	78.00	1938	91.95	490	105.00	541

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
107.00	7994	122.95	729	137.00	361	153.00	521
107.95	1306	123.95	359	137.90	87	154.05	391
110.00	15649	124.95	256	141.00	1252	155.00	740
110.95	2096	127.00	28253	142.00	442	156.00	1039
111.90	197	128.00	2363	142.75	363	156.80	105
116.00	350	129.00	10706	146.00	110	157.10	85
117.00	6703	130.00	1091	147.00	595	158.00	395
117.90	478	130.90	148	147.95	1506	158.95	280
120.00	68	133.85	273	149.00	396	159.95	467
121.80	166	135.00	586	151.00	186	161.00	624
122.00	458	135.95	306	151.70	73	161.95	189

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
164.95	525	176.95	530	187.80	97	201.90	90
166.00	456	177.75	167	188.90	462	202.95	409
166.95	2623	178.90	2021	190.95	233	204.00	2072
167.95	1654	179.95	1521	192.00	767	205.00	3654
168.95	333	180.95	749	192.95	857	206.00	14981
169.90	73	181.90	89	193.95	244	207.00	2028
171.90	119	183.85	198	196.00	2039	207.90	476
172.95	261	184.30	81	197.95	52752	209.00	122
173.95	644	185.05	991	198.90	3640	210.00	97
175.00	1052	186.00	8897	199.90	325	210.30	89
175.95	386	187.00	2333	201.45	296	210.85	874

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
211.60	178	225.00	2080	240.00	160	255.00	32146
214.90	81	226.00	361	240.75	248	256.00	5187
216.00	425	226.95	3638	241.95	477	257.00	406
216.95	3667	227.95	593	242.80	87	257.95	1812
217.95	439	228.95	632	242.95	402	258.90	221
220.00	71	231.00	249	244.00	6498	259.10	79
221.00	3249	233.10	79	244.95	886	260.00	68
221.60	186	233.95	172	245.90	1337	265.00	768
222.05	379	235.00	138	246.85	191	265.90	97
222.95	896	235.90	82	248.90	84	273.00	1007
224.00	7883	237.00	244	252.95	240	274.00	2699

Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
275.00	12891	302.80	115	327.10	76	365.80	107
276.00	1749	303.05	241	327.80	72	372.00	694
277.00	1289	303.80	73	332.80	68	373.00	106
277.80	170	310.10	100	333.95	742	382.95	174

DFTPPm.M Fri Jun 13 10:21:28 2014 MSM

283.00	150	314.05	180	335.10	94	389.90	78
285.05	264	315.00	440	341.10	80	391.20	78
289.00	94	316.05	224	345.90	181	401.95	243
292.90	210	321.00	76	352.00	421	402.90	488
294.90	109	323.00	1357	353.00	226	420.85	294
295.95	3916	323.95	320	353.95	336	422.00	333
297.00	432	326.80	93	364.90	1571	423.00	2268

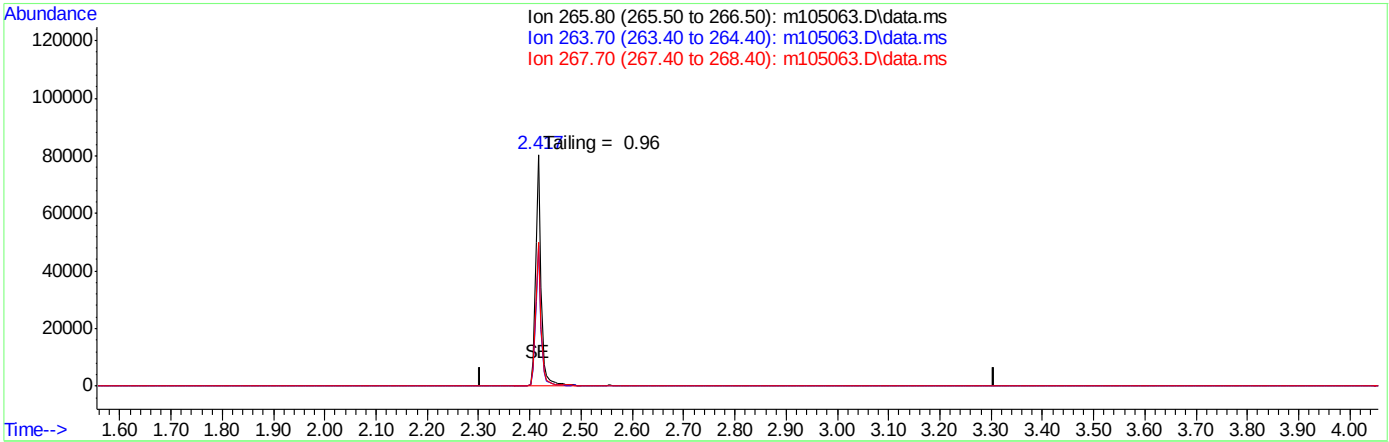
Average of 2.721 to 2.732 min.: m105063.D\data.ms
DFTPP
Modified:subtracted

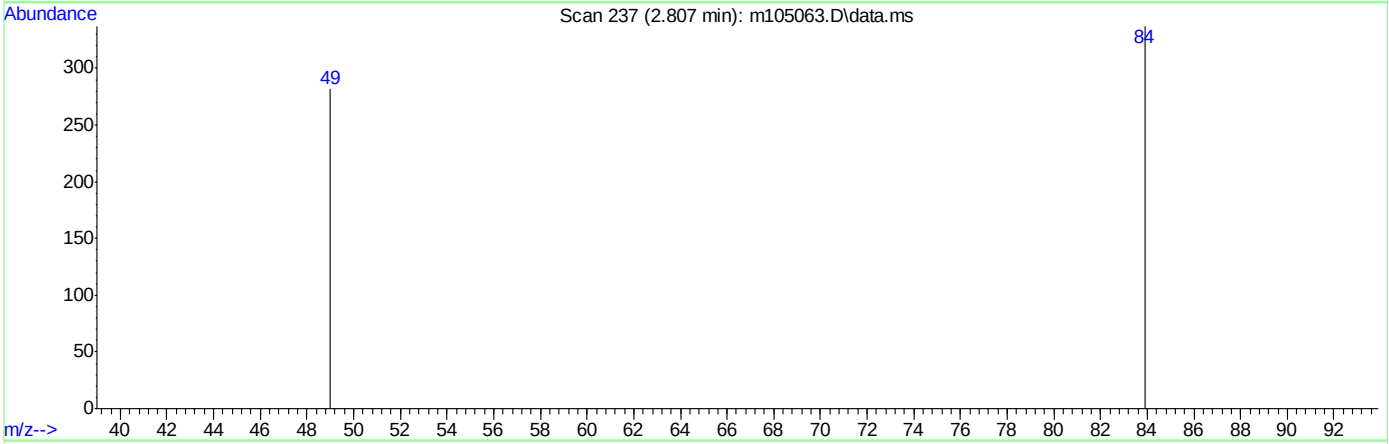
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
423.95	542						
441.00	6430						
442.00	43745						
443.00	8125						
443.80	94						
444.05	842						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 09:47:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105063.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

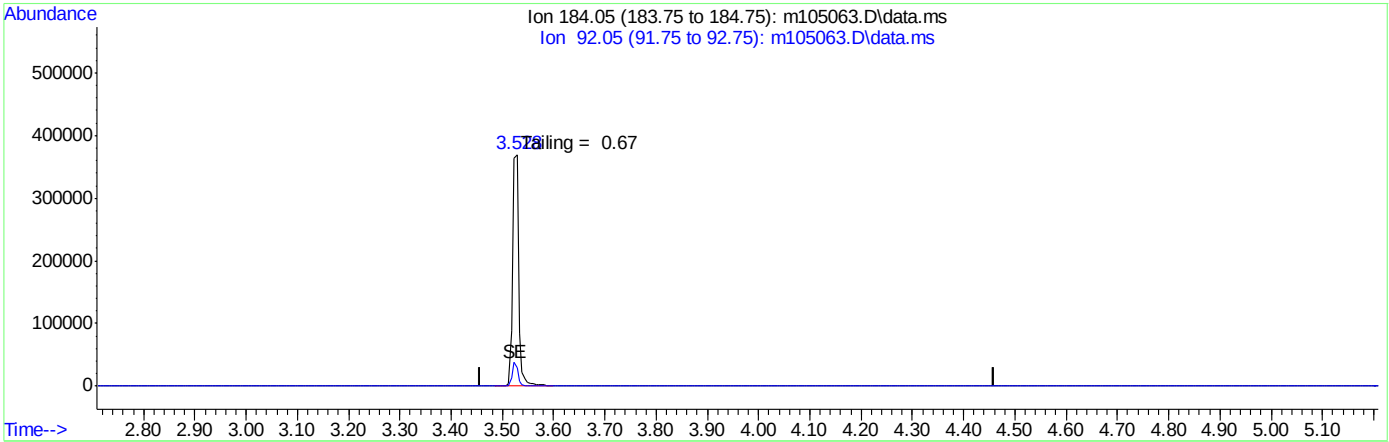
response 0

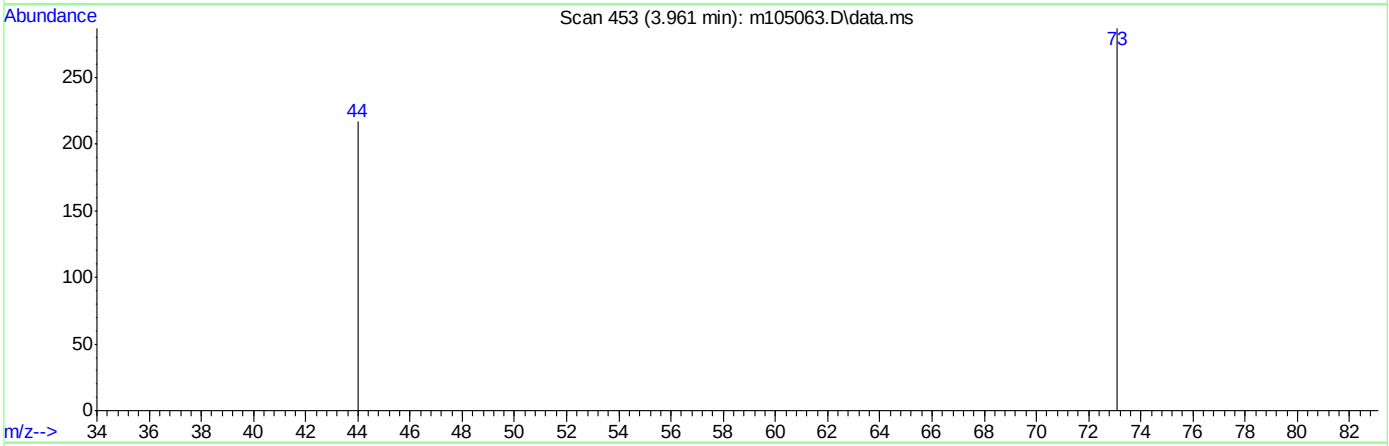
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 09:47:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105063.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

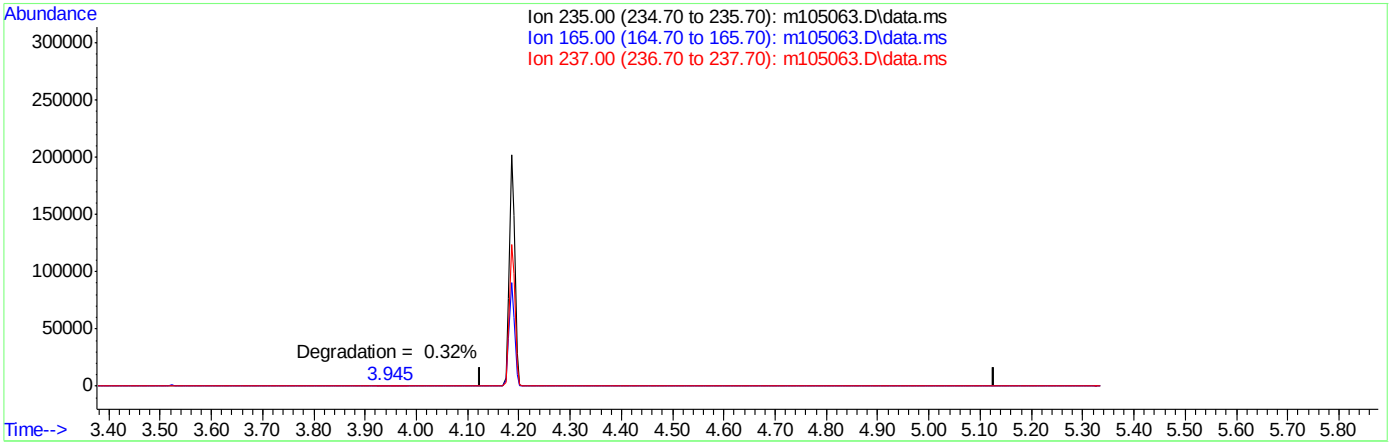
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

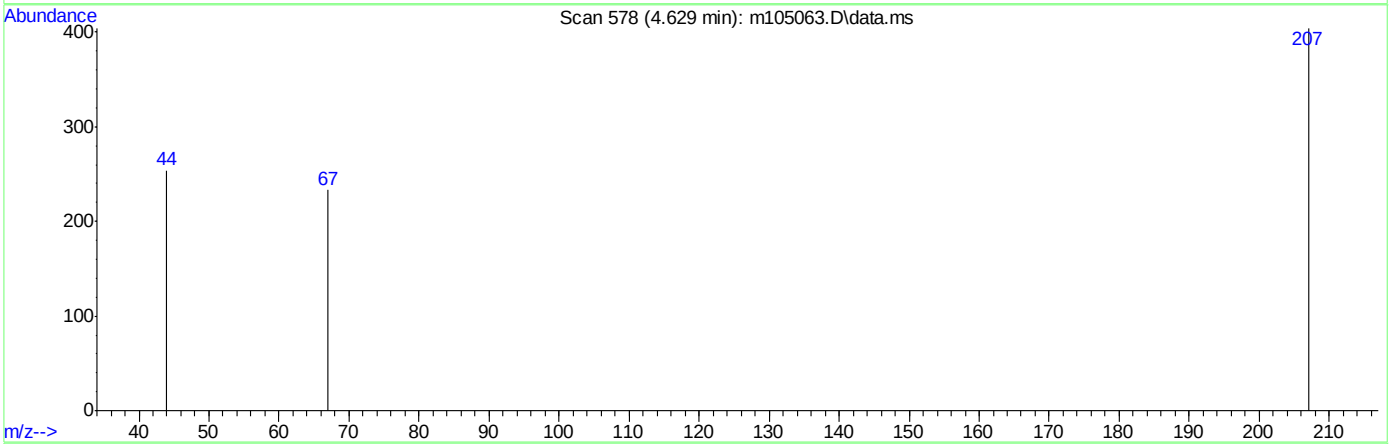
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105063.D
Acq On : 13 Jun 2014 9:39 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4302
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 13 09:47:37 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105063.D\data.ms

(3) PP-DDT (MC)

4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

9.5.16.3

9

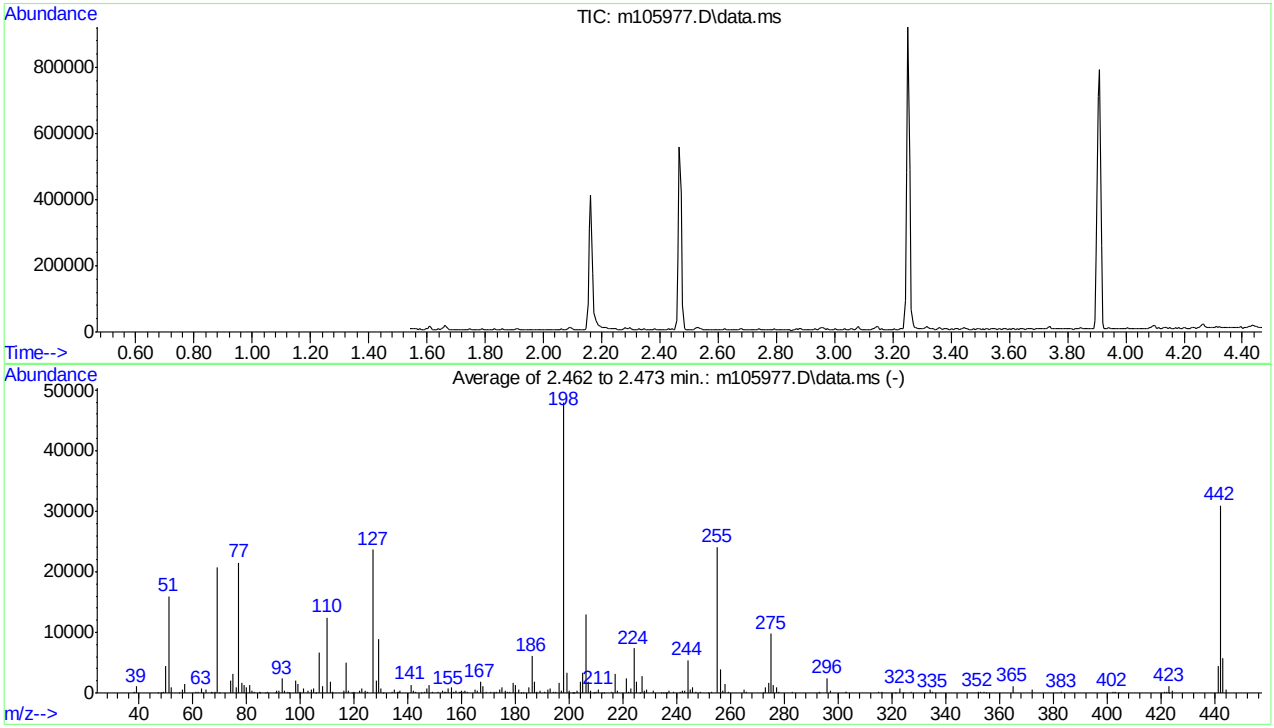
ACCUTEST LABORATORIES JB69926

DFTPPR

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105977.D
Acq On : 3 Jul 2014 8:29 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4334
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPm.M
Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
Last Update : Fri Jun 07 07:24:58 2013



AutoFind: Scans 173, 174, 175; Background Corrected with Scan 169

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	33.3	15962	PASS
68	69	0.00	2	0.8	157	PASS
69	198	0.00	100	43.1	20661	PASS
70	69	0.00	2	0.4	76	PASS
127	198	40	60	49.4	23656	PASS
197	198	0.00	1	0.6	288	PASS
198	198	100	100	100.0	47933	PASS
199	198	5	9	6.8	3264	PASS
275	198	10	30	20.4	9756	PASS
365	198	1	100	2.3	1119	PASS
441	443	0.10	100	76.7	4436	PASS
442	198	40	100	64.6	30980	PASS
443	442	17	23	18.7	5786	PASS

Average of 2.462 to 2.473 min.: m105977.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	168	61.00	234	74.95	3185	86.90	76
39.00	1100	61.95	201	76.00	981	87.90	179
46.90	4	63.00	712	77.00	21563	90.80	97
48.00	67	63.70	82	78.00	1642	91.00	379
49.00	282	65.05	557	78.95	1255	91.95	398
50.00	4403	66.80	87	80.00	1020	93.00	2376
51.00	15962	67.10	106	80.95	1382	94.05	293
52.00	863	68.00	157	82.00	379	95.10	121
55.00	61	68.95	20661	82.95	243	95.90	94
56.00	489	70.00	76	84.90	89	98.00	1980
57.00	1459	74.00	2038	85.05	228	98.95	1400

Average of 2.462 to 2.473 min.: m105977.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.90	119	115.95	421	129.00	8926	145.00	97
100.95	660	117.00	5003	129.95	825	146.00	114
102.95	381	117.95	431	130.70	78	147.00	692
103.85	551	119.00	77	133.90	113	147.90	1316
105.00	691	120.00	104	134.95	614	148.90	193
105.80	99	121.90	304	135.95	259	151.00	106
107.00	6656	122.95	831	136.70	105	152.90	382
108.00	1134	123.95	299	136.95	308	153.80	147
110.00	12486	124.85	258	140.95	1391	154.10	143
110.95	1892	127.00	23656	141.95	371	154.95	655
111.90	136	128.00	2018	142.95	259	155.95	899

Average of 2.462 to 2.473 min.: m105977.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.00	241	167.95	1146	180.00	1227	192.95	744
157.95	332	168.95	253	180.95	572	193.90	113
158.90	139	170.85	144	181.80	85	194.90	101
159.60	100	171.90	150	182.90	89	195.95	1729
160.00	385	172.95	235	184.95	861	196.80	288
160.80	115	173.90	592	186.00	6065	197.90	47933
160.95	414	175.00	988	187.00	1926	198.90	3264
161.95	175	175.95	376	187.95	177	200.00	333
164.85	558	176.95	238	188.95	420	201.10	72
165.90	356	177.85	148	190.85	172	201.50	71
166.95	1804	178.95	1758	191.95	495	201.70	94

Average of 2.462 to 2.473 min.: m105977.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
202.95	308	215.90	250	228.85	563	244.00	5460
204.00	1875	216.90	3211	230.95	351	245.00	653
205.00	3358	218.00	294	234.00	98	245.90	854
206.00	12878	220.95	2434	235.00	96	247.00	119
207.00	1809	221.90	254	235.80	88	248.85	198
207.95	373	223.00	672	236.00	76	251.60	68
208.90	99	224.00	7388	237.00	298	252.90	129
209.90	165	225.00	1919	238.80	104	254.95	24134
210.90	576	226.00	95	241.00	125	256.00	3913
212.10	85	226.95	2788	241.95	462	256.95	296
212.90	90	228.00	421	242.95	405	257.95	1505

Average of 2.462 to 2.473 min.: m105977.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
258.95	270	292.80	140	327.00	193	401.95	199
264.85	480	293.00	69	331.90	70	402.90	193
265.90	112	295.90	2484	333.95	629	404.00	93
272.00	95	296.90	467	335.00	110	421.05	150

DFTPPm.M Thu Jul 03 10:54:16 2014 MSM

272.95	971	302.80	106	351.95	257	421.95	177
274.00	1667	303.00	104	352.95	242	422.80	80
275.00	9756	314.95	235	353.90	241	423.00	1140
275.90	1298	316.10	117	355.00	67	423.95	430
276.95	987	321.00	69	364.90	1119	441.00	4436
277.85	189	323.00	834	371.85	551	442.00	30980
283.00	118	323.90	71	382.90	174	443.00	5786

Average of 2.462 to 2.473 min.: m105977.D\data.ms
DFTPP
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
443.95	512						

9.5.17

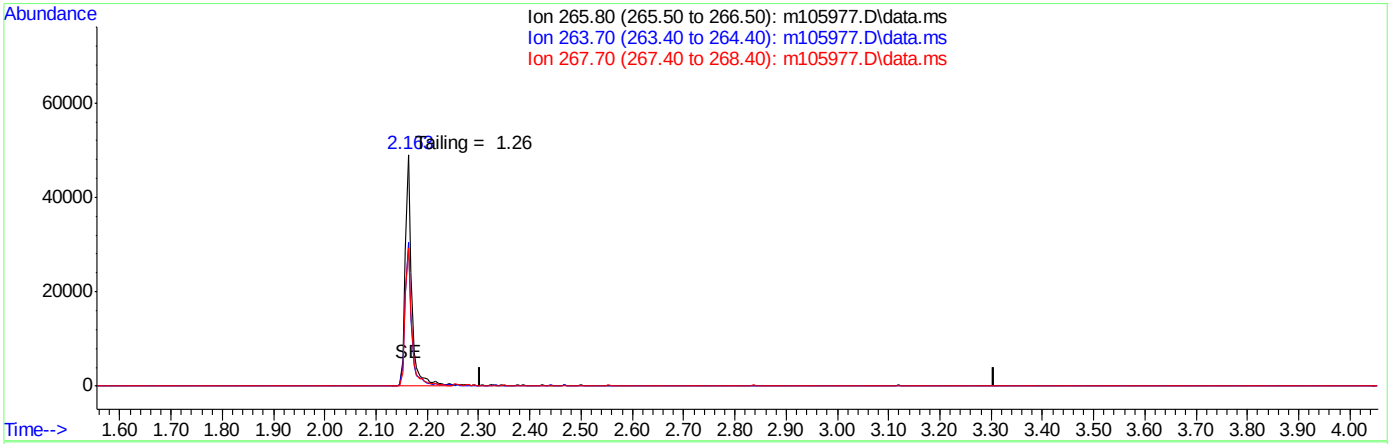
6

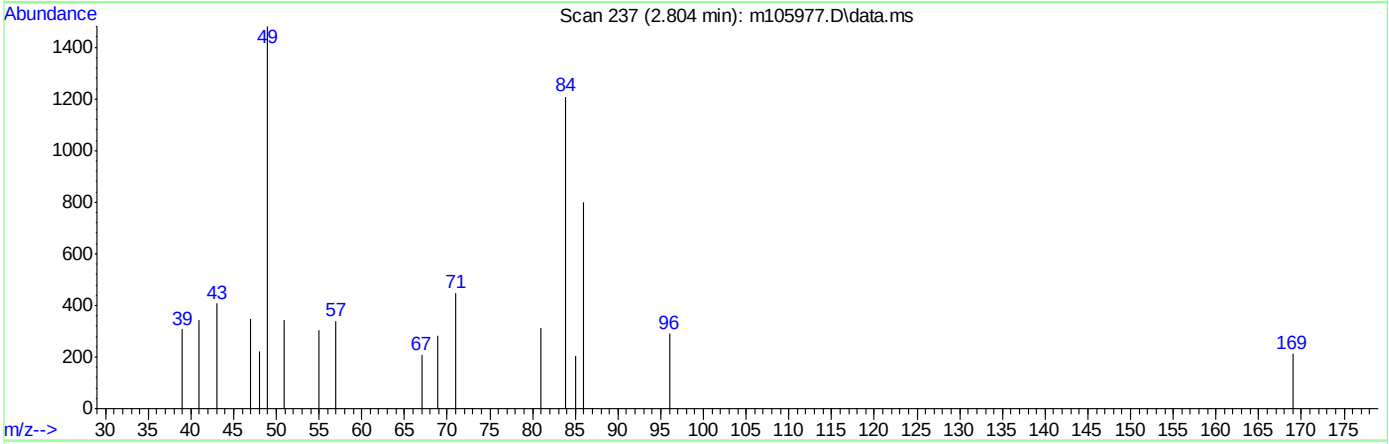
ACCUTEST LABORATORIES
JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105977.D
Acq On : 3 Jul 2014 8:29 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4334
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 08:34:46 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105977.D\data.ms

(1) Pentachlorophenol (MC)

2.805min (-2.805) 0.00ng

response 0

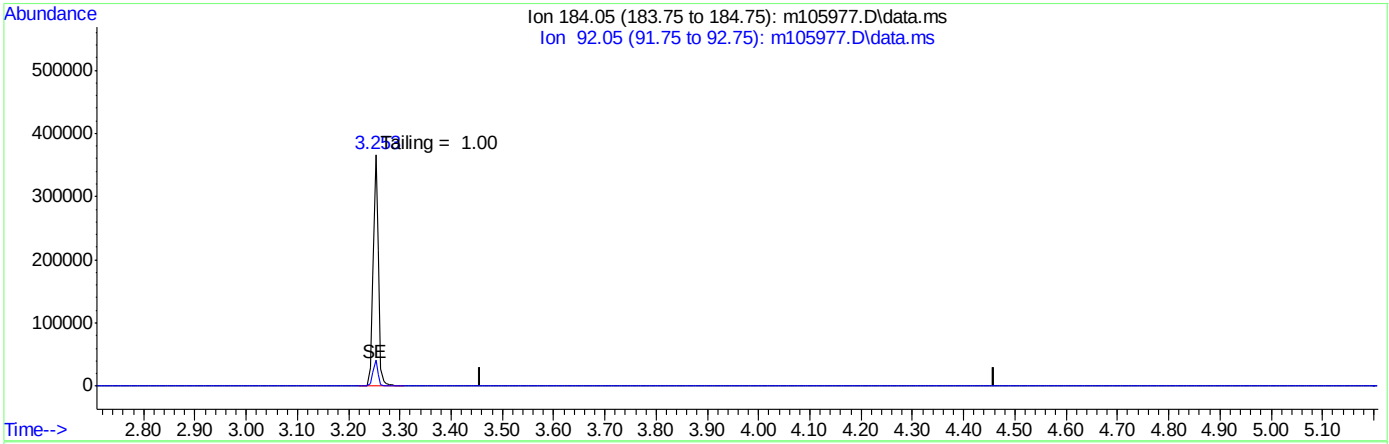
Ion	Exp%	Act%
265.80	100	0.00
263.70	64.70	0.00#
267.70	64.60	0.00#
0.00	0.00	0.00

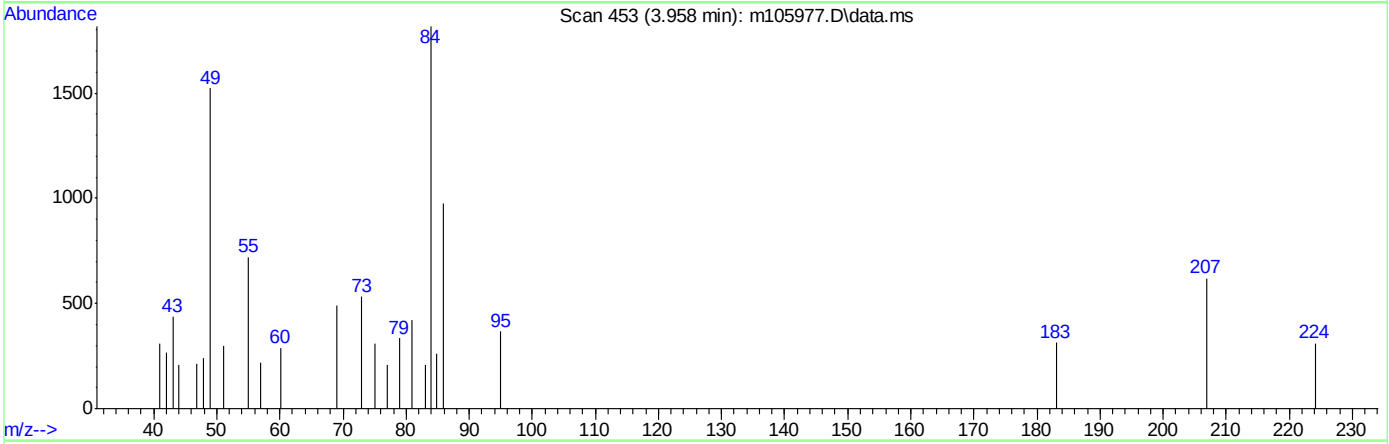
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105977.D
Acq On : 3 Jul 2014 8:29 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4334
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 08:34:46 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105977.D\data.ms

(2) Benzidine (M)

3.959min (-3.959) 0.00ng

response 0

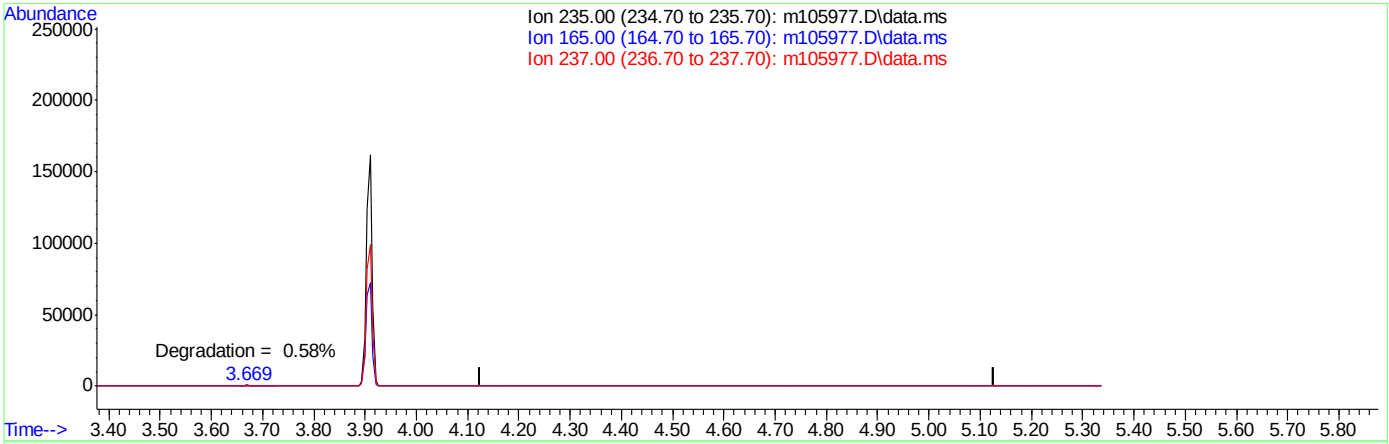
Ion	Exp%	Act%
184.05	100	0.00
92.05	11.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

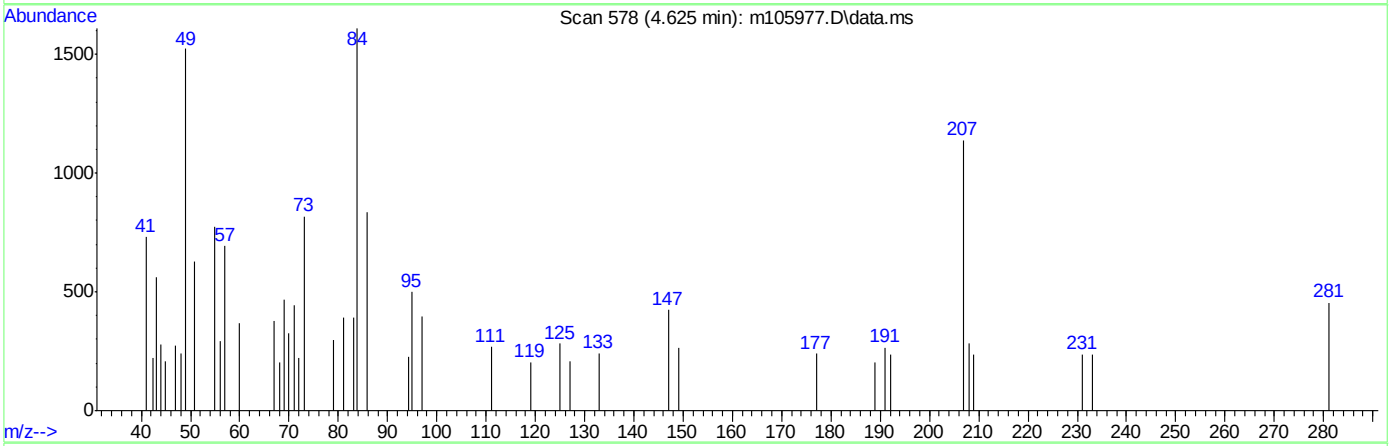
9.5.17.2
9
ACCUTEST LABORATORIES
JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105977.D
Acq On : 3 Jul 2014 8:29 am
Operator : saumilp
Sample : DFTPP
Misc : op73826,em4334
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 03 08:34:46 2014
Quant Method : C:\msdchem\1\METHODS\DFTPPm.M
Quant Title : Semi Volatile Extractables by GC/MS rxi-5silms 30mFri Jun 07 07:24:58 2013
QLast Update : Fri Jun 07 07:24:58 2013
Response via : Initial Calibration





TIC: m105977.D\data.ms

(3) PP-DDT (MC)

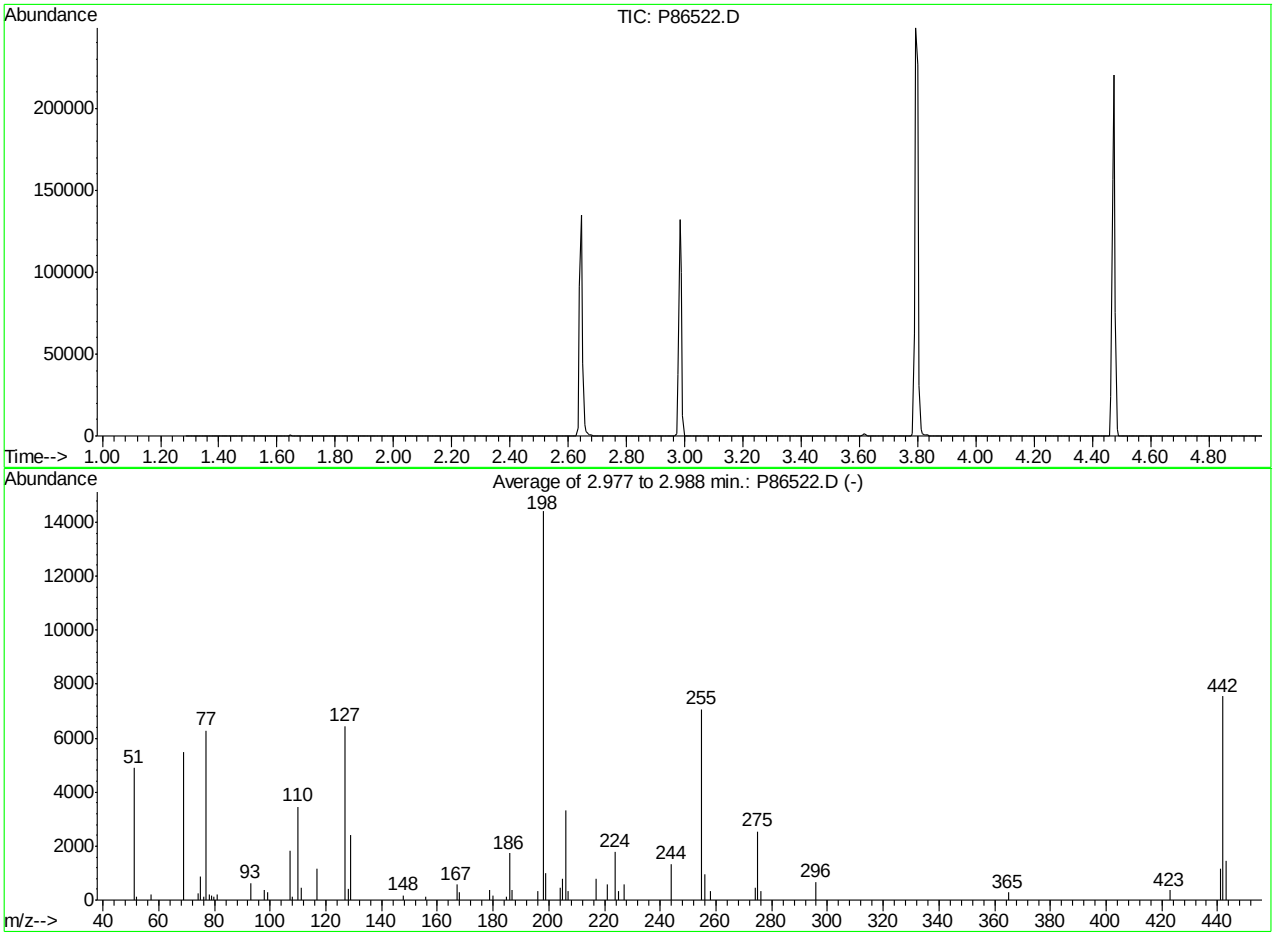
4.627min (-4.627) 0.00ppb

response 0

Ion	Exp%	Act%
235.00	100	0.00
165.00	58.00	0.00#
237.00	62.20	0.00#
0.00	0.00	0.00

DFTPP

Data File : C:\MSDCHEM\1\DATA\EP3684\P86522.D Vial: 1
Acq On : 20 Jun 2014 3:46 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 297, 298, 299; Background Corrected with Scan 293

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	34.0	4896	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.2	5498	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	44.8	6457	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	14398	PASS
199	198	5	9	6.9	995	PASS
275	198	10	30	17.7	2545	PASS
365	198	1	100	2.0	288	PASS
441	443	0.10	100	79.3	1160	PASS
442	198	40	100	52.4	7551	PASS
443	442	17	23	19.4	1463	PASS

P86522.D DFTPPP.M Wed Jun 25 12:41:49 2014

Average of 2.977 to 2.988 min.: P86522.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	4896	80.90	213	128.95	2427	197.90	14398
52.00	134	92.95	633	147.90	180	198.90	995
57.00	197	97.95	376	155.90	136	203.95	460
69.00	5498	98.95	309	166.90	580	204.95	783
74.00	249	106.95	1815	168.00	282	206.00	3314
75.00	883	108.00	133	178.90	373	206.90	353
76.00	136	109.95	3448	179.90	148	216.90	799
77.00	6286	110.95	456	184.90	120	220.90	566
78.00	204	116.90	1171	185.95	1725	223.95	1777
78.90	167	127.00	6457	186.90	361	224.90	354
79.90	126	127.95	401	195.95	322	226.90	582

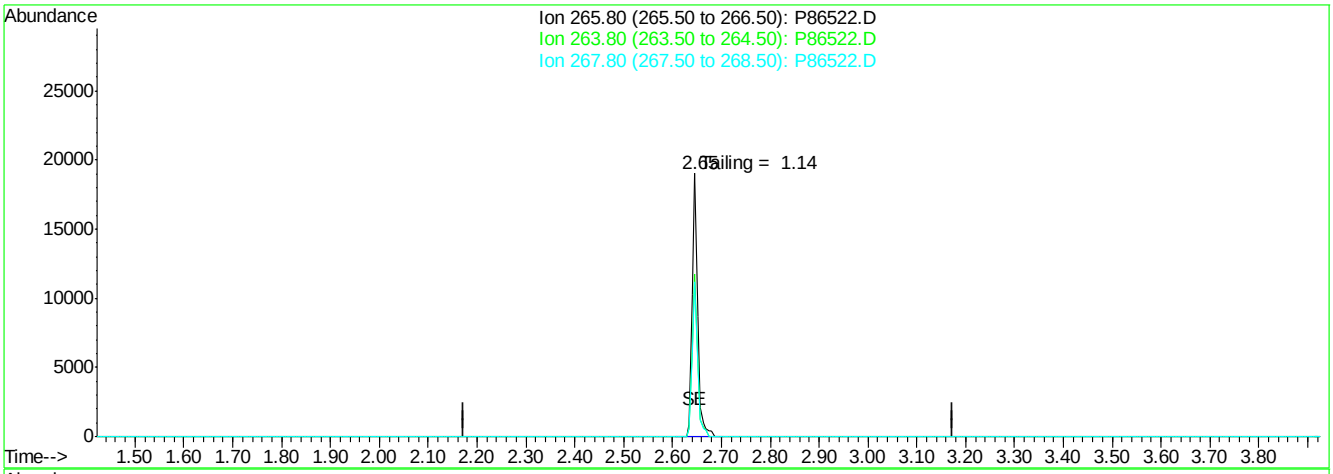
Average of 2.977 to 2.988 min.: P86522.D
dftpp
Modified:subtracted

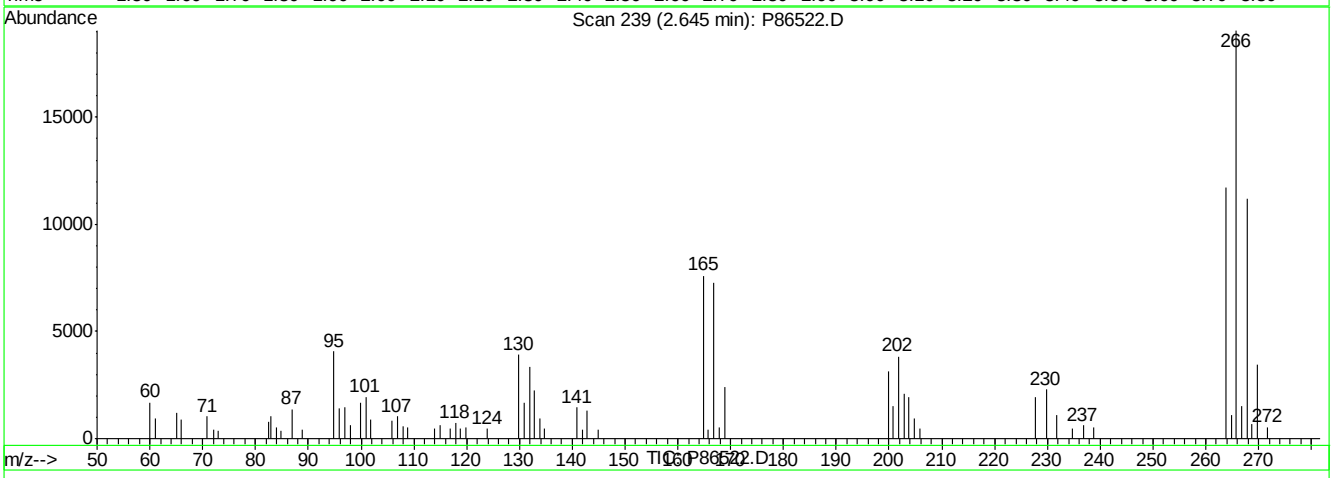
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
243.95	1334	441.90	7551				
254.90	7072	442.90	1463				
255.90	968						
257.90	335						
273.90	438						
274.90	2545						
275.95	352						
295.90	666						
364.90	288						
422.90	360						
440.90	1160						

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86522.D Vial: 1
Acq On : 20 Jun 2014 3:46 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 23 8:13 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(1) Pentachlorophenol (t)

2.65min 8.00ppb

response 14880

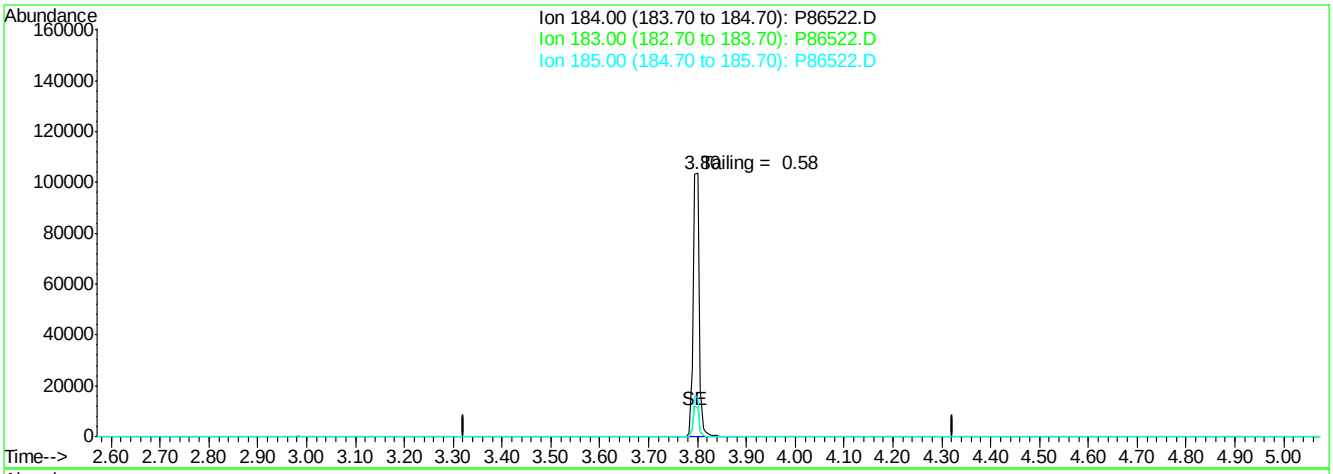
Ion	Exp%	Act%
265.80	100	100
263.80	63.10	61.61
267.80	63.20	58.76
0.00	0.00	0.00

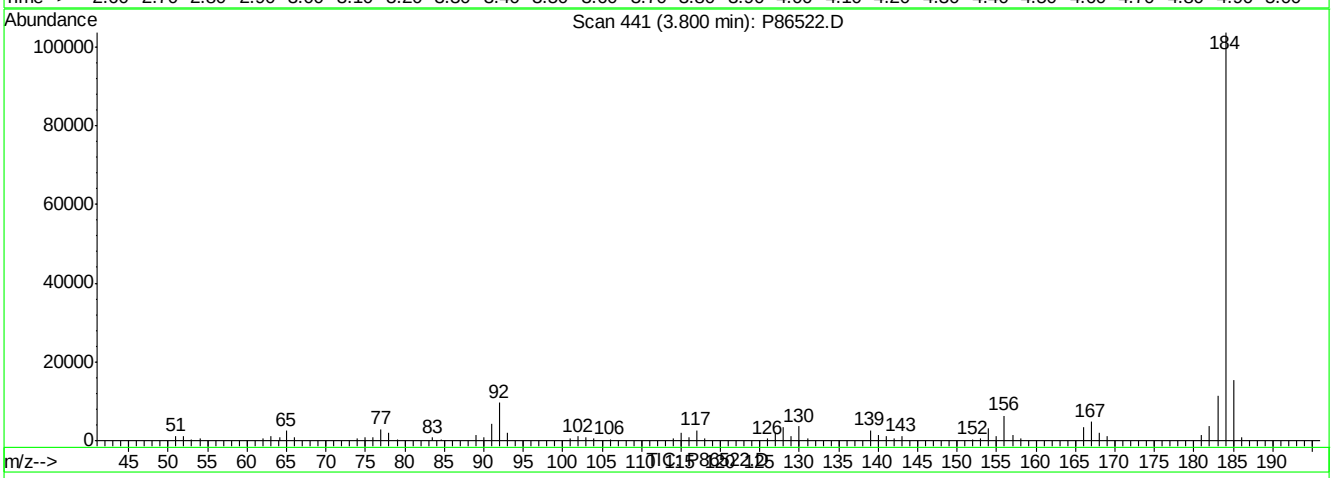
P86522.D DFTPPP.M Thu Jun 26 18:56:12 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86522.D Vial: 1
Acq On : 20 Jun 2014 3:46 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 23 8:13 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(2) Benzidine (t)

3.80min 4.77ppb

response 89272

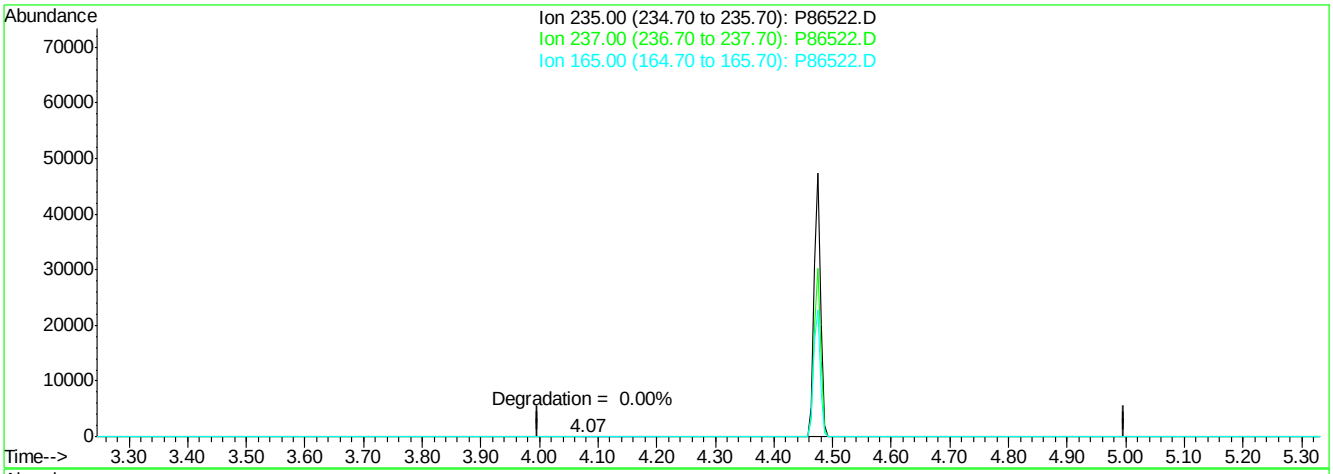
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	10.76
185.00	0.00	14.51
0.00	0.00	0.00

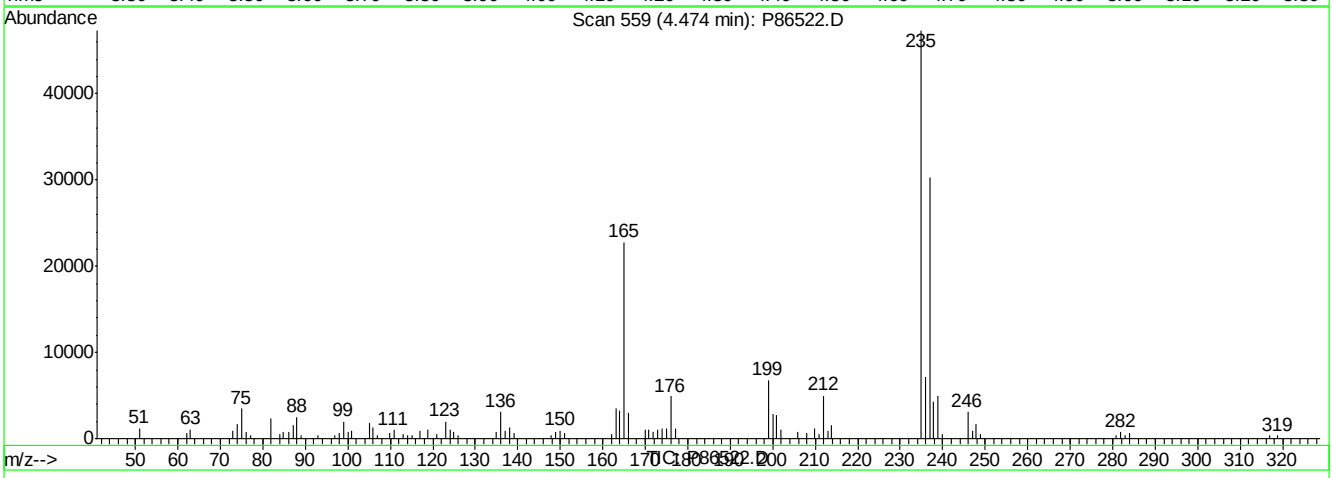
P86522.D DFTPPP.M Thu Jun 26 18:56:20 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86522.D Vial: 1
Acq On : 20 Jun 2014 3:46 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 23 8:13 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(3) ddt

4.47min 3.57ppb

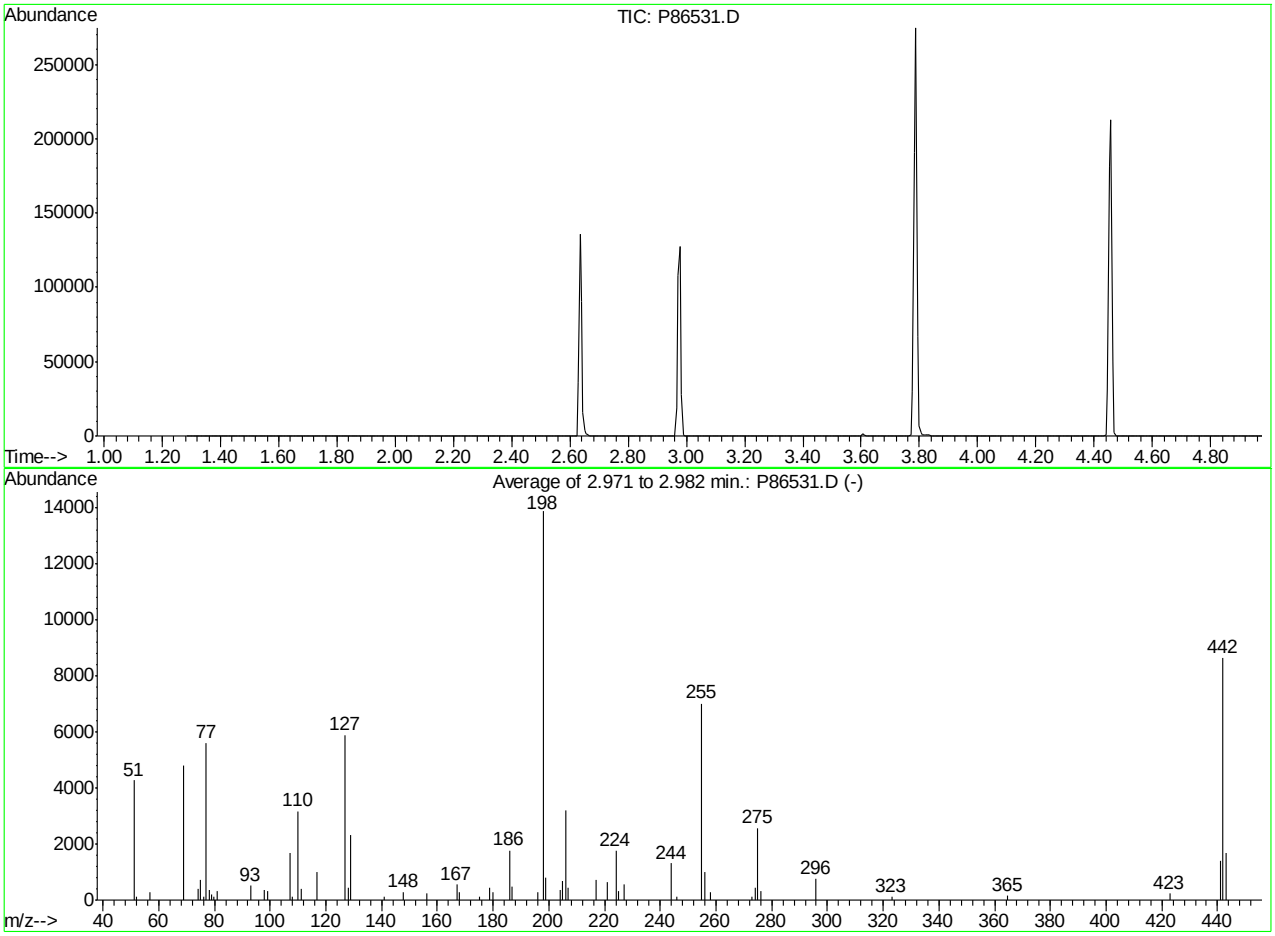
response 36256

Ion	Exp%	Act%
235.00	100	100
237.00	65.40	64.61
165.00	55.50	49.47
0.00	0.00	0.00

P86522.D DFTPPP.M Thu Jun 26 18:56:27 2014

DFTPP

Data File : C:\MSDCHEM\1\DATA\EP3684\P86531.D Vial: 1
Acq On : 20 Jun 2014 7:33 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 296, 297, 298; Background Corrected with Scan 292

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.8	4269	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	34.6	4798	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	42.5	5890	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	13854	PASS
199	198	5	9	5.8	807	PASS
275	198	10	30	18.5	2558	PASS
365	198	1	100	1.0	145	PASS
441	443	0.10	100	82.6	1397	PASS
442	198	40	100	62.3	8627	PASS
443	442	17	23	19.6	1691	PASS

P86531.D DFTPPP.M Wed Jun 25 12:47:28 2014

Average of 2.971 to 2.982 min.: P86531.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	4269	81.00	326	129.00	2320	195.95	296
52.00	117	92.95	510	140.90	117	197.90	13854
56.95	298	97.95	374	147.90	292	198.90	807
69.00	4798	99.00	338	156.00	254	203.90	348
73.95	405	107.00	1667	166.90	553	204.95	694
74.95	702	107.90	127	167.90	282	206.00	3214
76.00	141	110.00	3176	175.00	118	206.95	427
77.00	5611	110.95	415	178.90	458	216.90	706
78.00	355	116.95	982	179.95	273	220.90	633
78.90	193	127.00	5890	185.90	1762	224.00	1741
79.90	134	128.00	447	186.95	475	224.90	335

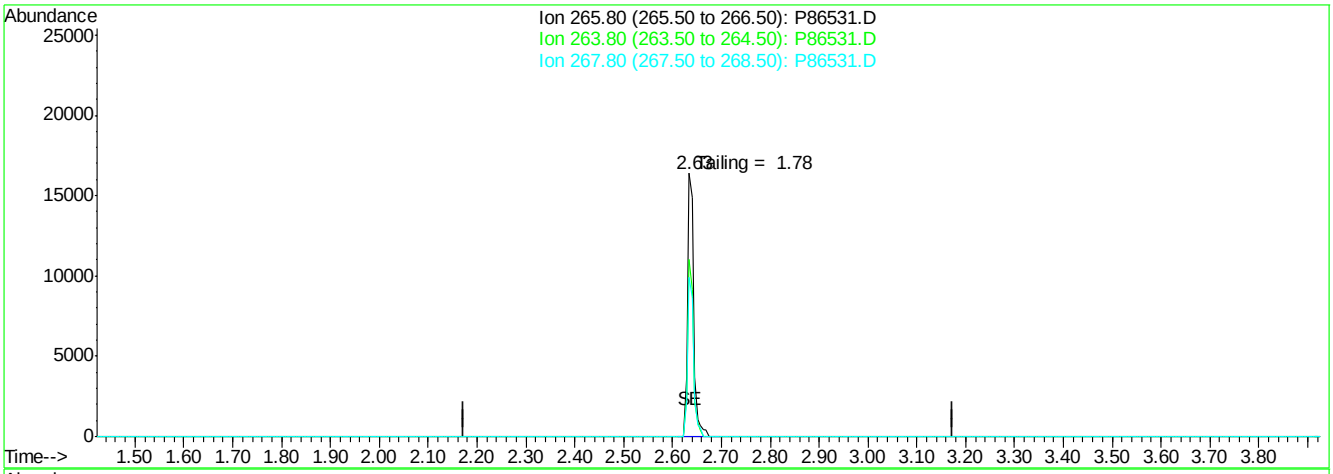
Average of 2.971 to 2.982 min.: P86531.D
dftpp
Modified:subtracted

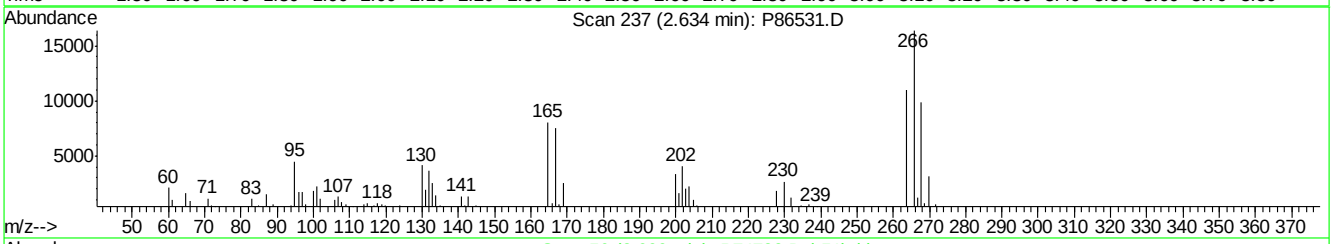
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
226.90	559	323.00	119				
244.00	1316	364.80	145				
245.90	130	422.90	227				
254.90	7004	440.95	1397				
255.90	994	441.90	8627				
257.90	279	442.90	1691				
272.90	122						
273.90	429						
274.90	2558						
275.90	303						
295.90	742						

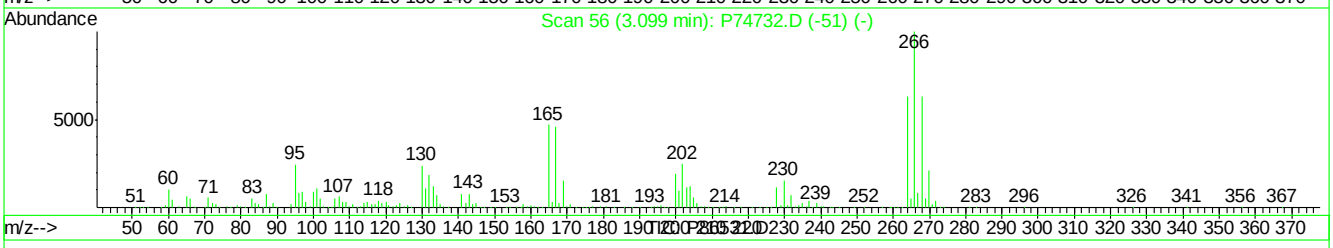
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86531.D Vial: 1
Acq On : 20 Jun 2014 7:33 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 20 19:38 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration







(1) Pentachlorophenol (t)

2.63min 7.63ppb

response 14192

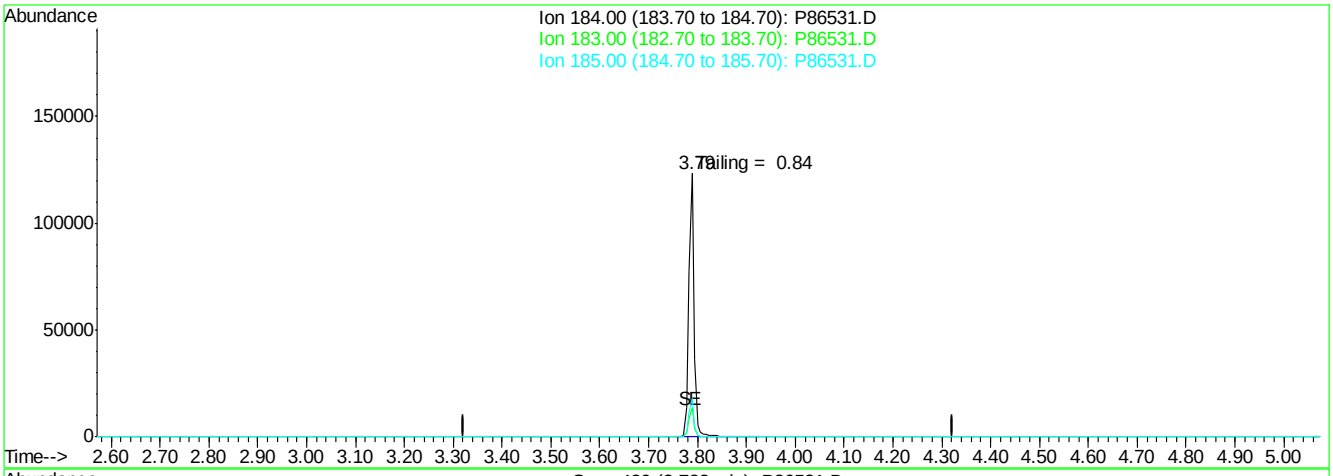
Ion	Exp%	Act%
265.80	100	100
263.80	63.10	67.14
267.80	63.20	60.29
0.00	0.00	0.00

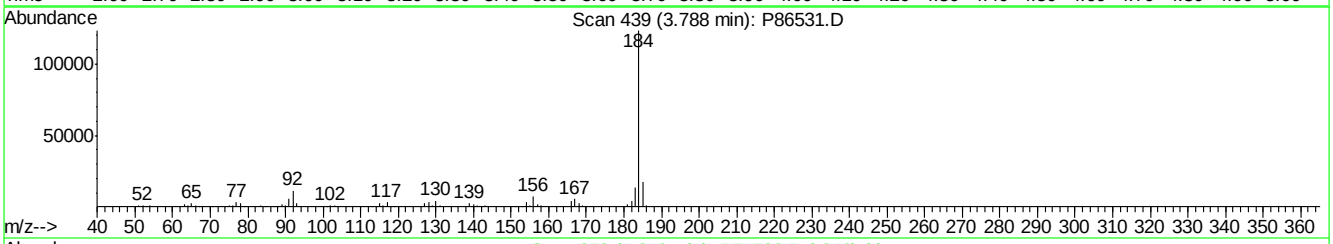
P86531.D DFTPPP.M Thu Jun 26 19:10:22 2014

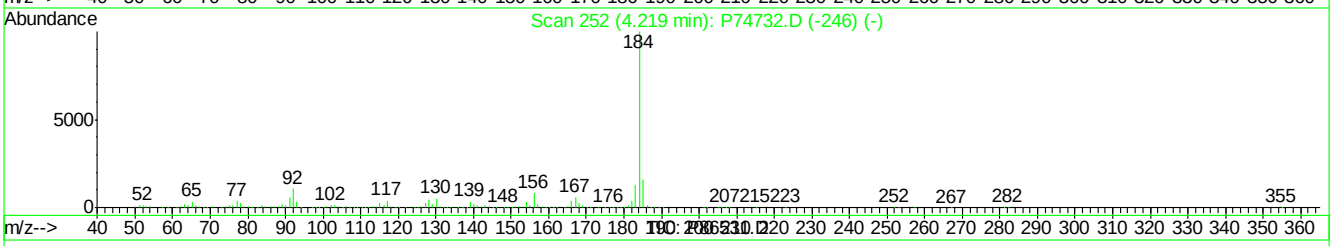
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86531.D Vial: 1
Acq On : 20 Jun 2014 7:33 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 20 19:38 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration







(2) Benzidine (t)

3.79min 4.81ppb

response 90097

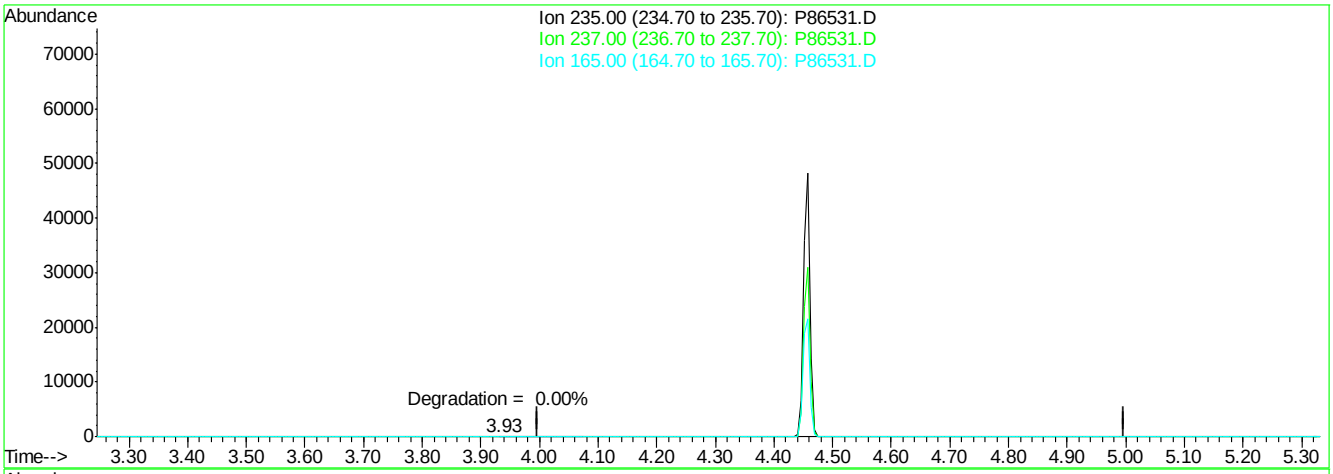
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	10.66
185.00	0.00	14.02
0.00	0.00	0.00

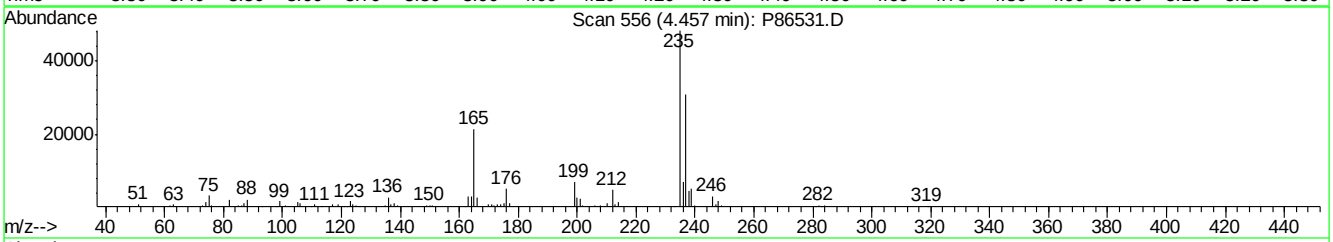
P86531.D DFTPPP.M Thu Jun 26 19:10:28 2014

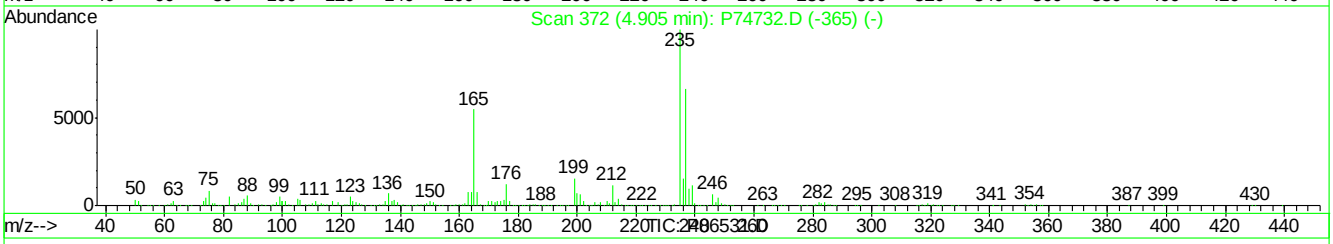
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86531.D Vial: 1
Acq On : 20 Jun 2014 7:33 pm Operator: saraw
Sample : dftpp Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 20 19:38 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration







(3) ddt

4.46min 3.60ppb

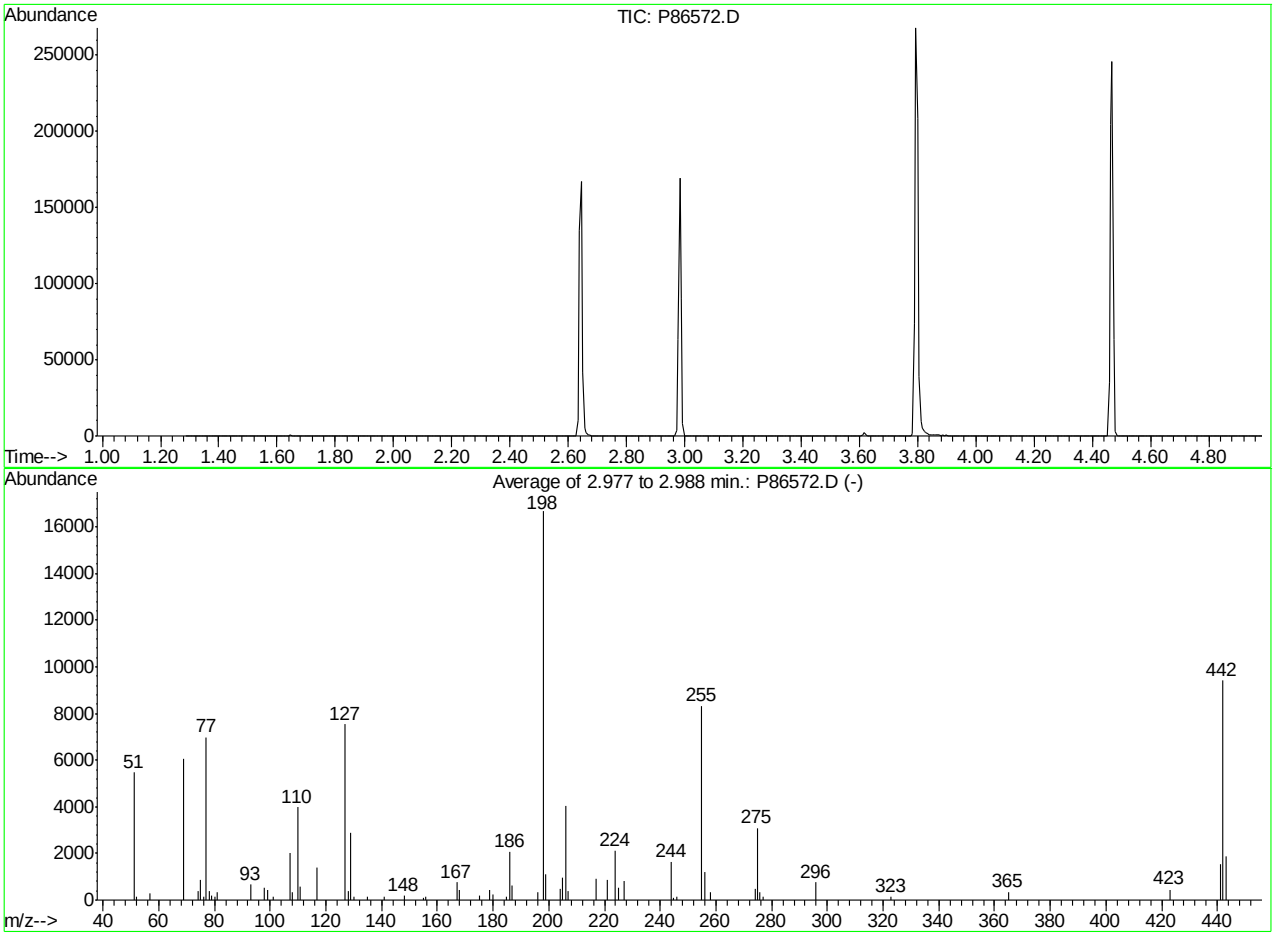
response 36543

Ion	Exp%	Act%
235.00	100	100
237.00	65.40	65.67
165.00	55.50	47.37
0.00	0.00	0.00

P86531.D DFTPPP.M Thu Jun 26 19:10:35 2014

DFTPP

Data File : C:\MSDCHEM\1\DATA\EP3687\P86572.D Vial: 1
Acq On : 21 Jun 2014 1:38 pm Operator: kristis
Sample : dftpp Inst : MSP
Misc : op75641,ep3687,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 297, 298, 299; Background Corrected with Scan 293

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	32.8	5470	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	36.3	6044	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	45.2	7526	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	16666	PASS
199	198	5	9	6.7	1112	PASS
275	198	10	30	18.5	3089	PASS
365	198	1	100	2.1	358	PASS
441	443	0.10	100	80.2	1524	PASS
442	198	40	100	56.5	9420	PASS
443	442	17	23	20.2	1900	PASS

P86572.D DFTPPP.M Wed Jun 25 12:58:15 2014

Average of 2.977 to 2.988 min.: P86572.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	5470	80.95	316	127.95	397	178.90	446
52.00	136	92.95	670	128.95	2883	180.00	250
56.90	305	97.95	518	129.90	137	184.90	140
69.00	6044	99.00	435	134.90	123	186.00	2046
73.95	397	101.00	153	140.90	159	186.95	635
74.95	889	107.00	2002	148.00	184	195.90	352
76.00	150	107.90	318	154.90	119	197.90	16666
77.00	6981	109.90	3977	155.90	148	198.90	1112
78.00	380	110.90	596	167.00	751	203.95	465
79.00	210	116.95	1403	167.90	453	204.95	944
80.00	148	127.00	7526	175.00	189	205.95	4034

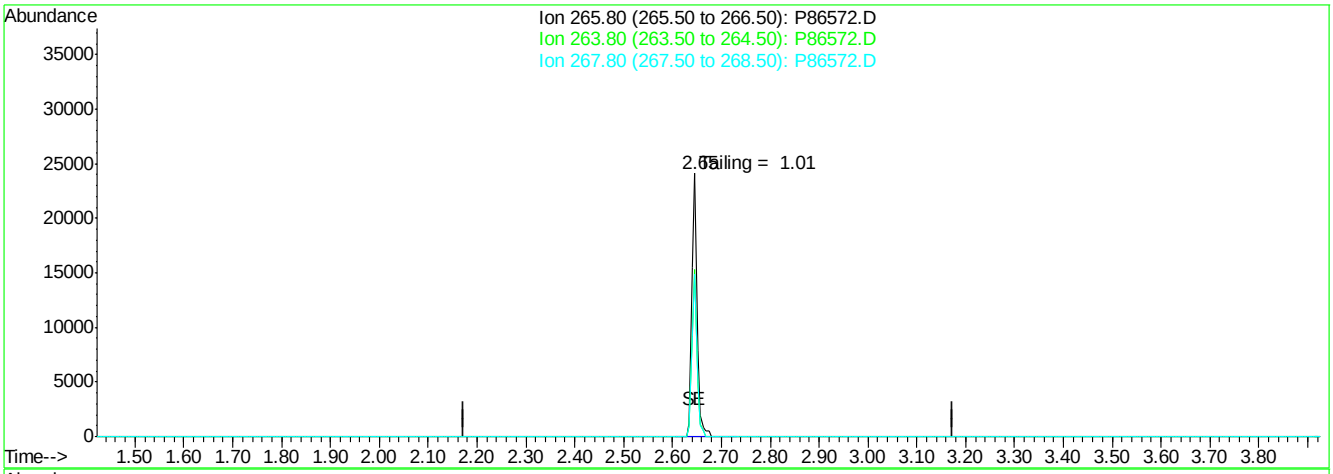
Average of 2.977 to 2.988 min.: P86572.D
dftpp
Modified:subtracted

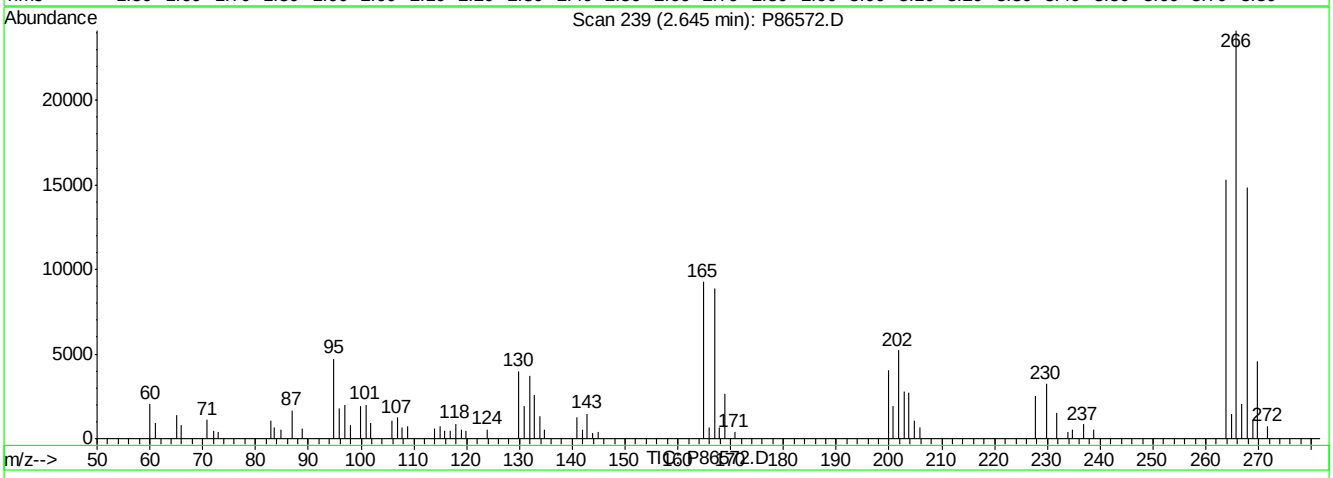
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
206.90	366	257.85	346	442.95	1900		
216.90	935	273.90	492				
220.90	865	274.90	3089				
223.90	2104	275.90	346				
224.90	520	276.90	143				
226.90	840	295.85	768				
243.95	1631	322.90	144				
244.90	116	364.90	358				
245.90	132	422.95	447				
254.90	8342	440.90	1524				
255.90	1194	441.90	9420				

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3687\P86572.D Vial: 1
Acq On : 21 Jun 2014 1:38 pm Operator: kristis
Sample : dftpp Inst : MSP
Misc : op75641,ep3687,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 21 13:44 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(1) Pentachlorophenol (t)

2.65min 9.71ppb

response 18042

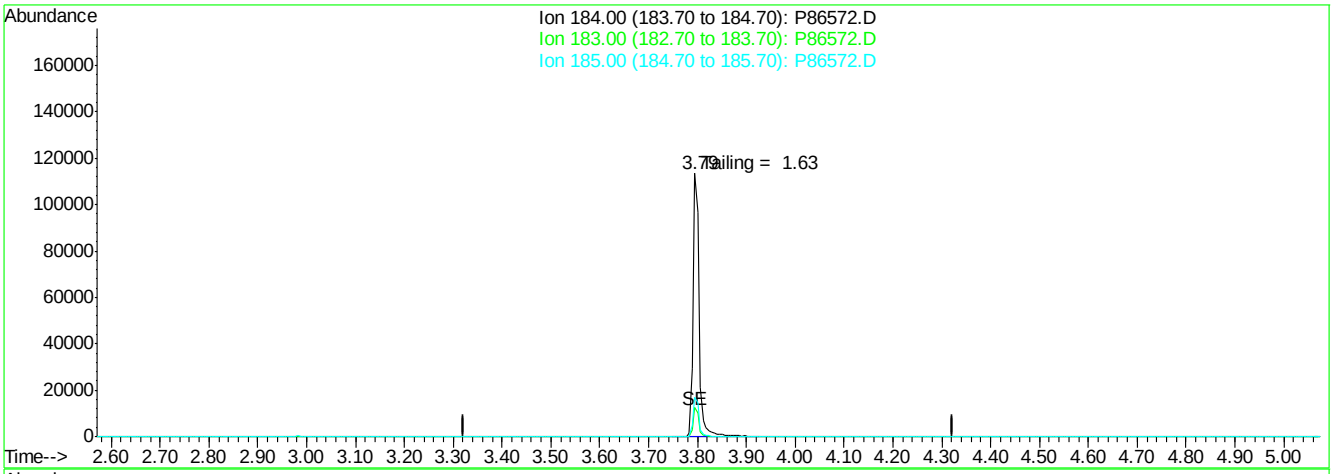
Ion	Exp%	Act%
265.80	100	100
263.80	63.10	63.59
267.80	63.20	61.61
0.00	0.00	0.00

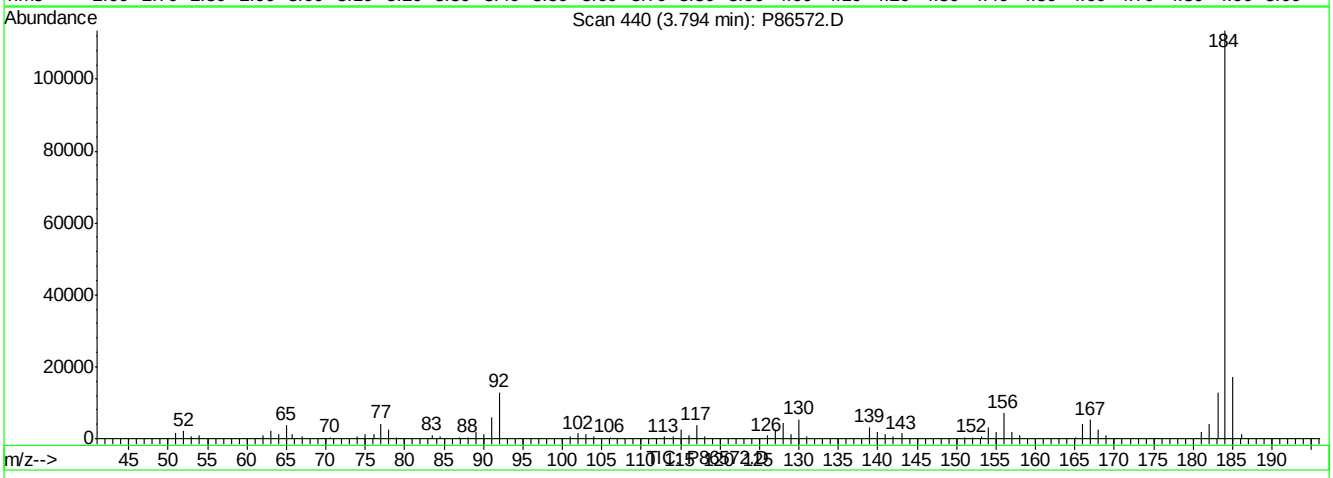
P86572.D DFTPPP.M Thu Jun 26 19:13:38 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3687\P86572.D Vial: 1
Acq On : 21 Jun 2014 1:38 pm Operator: kristis
Sample : dftpp Inst : MSP
Misc : op75641,ep3687,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 21 13:44 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(2) Benzidine (t)

3.79min 5.23ppb

response 98065

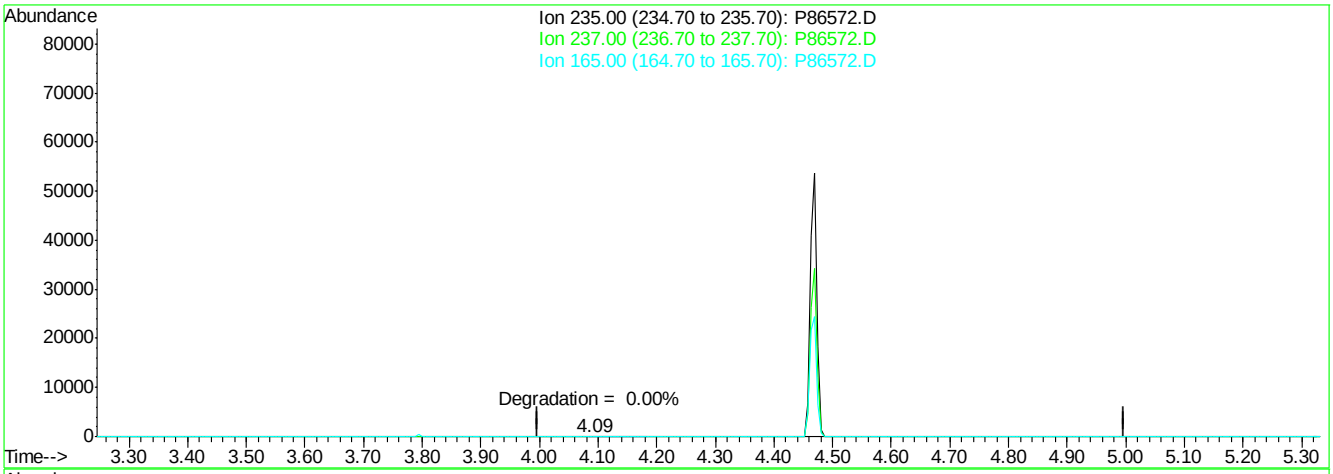
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	10.21
185.00	0.00	14.58
0.00	0.00	0.00

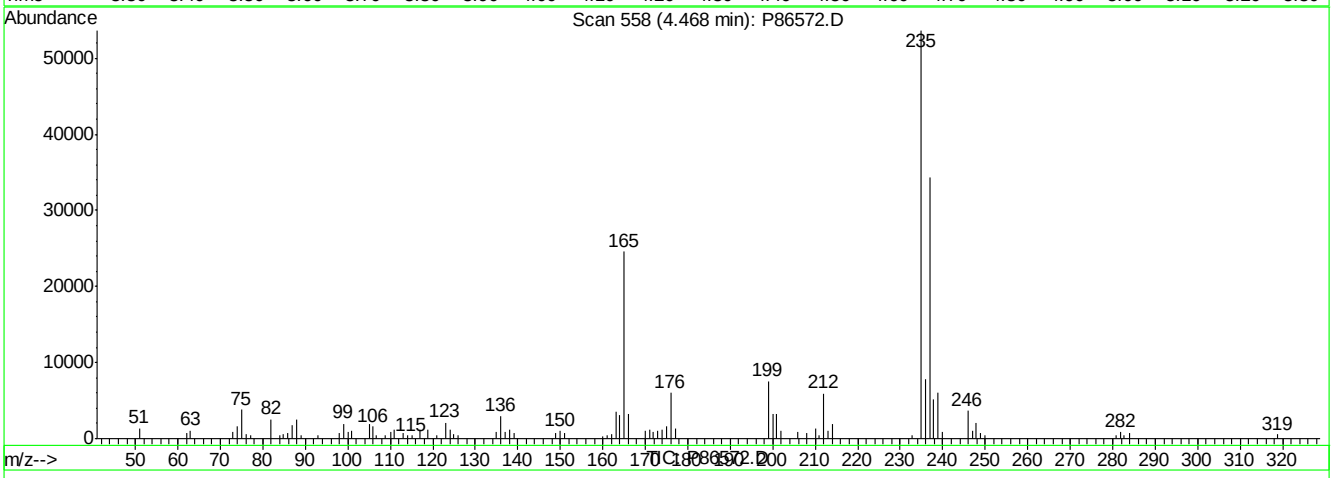
P86572.D DFTPPP.M Thu Jun 26 19:13:45 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3687\P86572.D Vial: 1
Acq On : 21 Jun 2014 1:38 pm Operator: kristis
Sample : dftpp Inst : MSP
Misc : op75641,ep3687,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 21 13:44 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(3) ddt

4.47min 4.09ppb

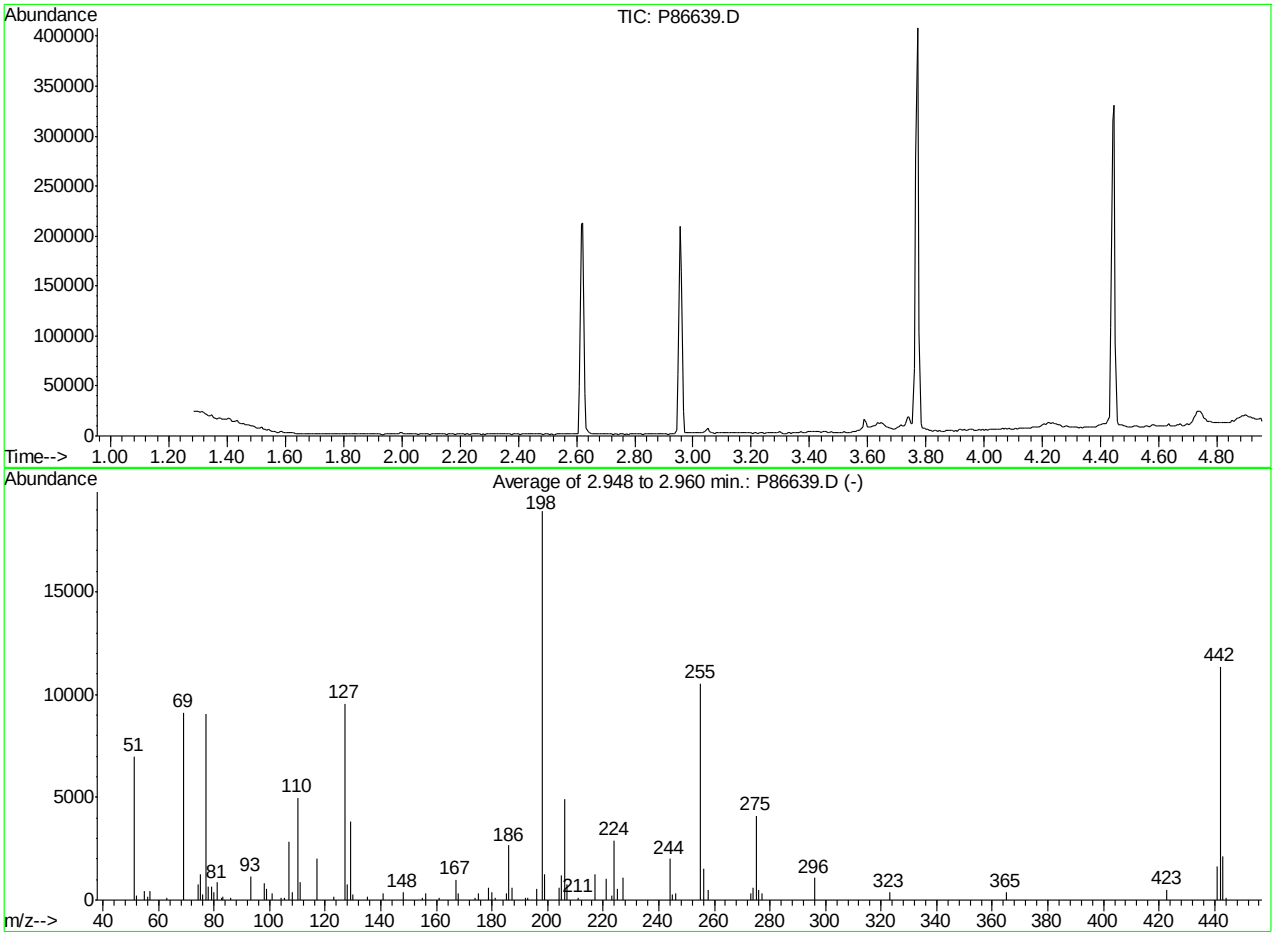
response 41539

Ion	Exp%	Act%
235.00	100	100
237.00	65.40	64.71
165.00	55.50	48.21
0.00	0.00	0.00

P86572.D DFTPPP.M Thu Jun 26 19:13:53 2014

DFTPP

Data File : C:\MSDCHEM\1\DATA\EP3691\P86639.D Vial: 1
Acq On : 24 Jun 2014 7:37 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 292, 293, 294; Background Corrected with Scan 288

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.9	6983	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.2	9113	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.6	9569	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	18911	PASS
199	198	5	9	6.7	1272	PASS
275	198	10	30	21.8	4114	PASS
365	198	1	100	2.0	385	PASS
441	443	0.10	100	76.2	1623	PASS
442	198	40	100	60.0	11349	PASS
443	442	17	23	18.8	2129	PASS

P86639.D DFTPPP.M Thu Jun 26 11:46:16 2014

Average of 2.948 to 2.960 min.: P86639.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.05	6983	78.05	632	104.00	127	130.00	292
52.10	196	79.00	678	105.10	125	135.00	190
55.00	457	80.00	396	107.00	2838	140.90	354
56.00	153	81.00	850	108.00	367	147.95	401
57.00	412	82.90	129	110.00	4988	155.00	130
63.00	128	83.10	152	111.00	855	155.95	308
69.00	9113	85.95	95	117.00	2026	161.00	122
74.05	761	93.00	1148	123.00	161	167.00	1002
75.00	1283	98.00	841	127.00	9569	167.95	355
76.00	270	99.00	563	128.00	742	174.00	132
77.10	9051	101.00	306	129.00	3800	175.00	324

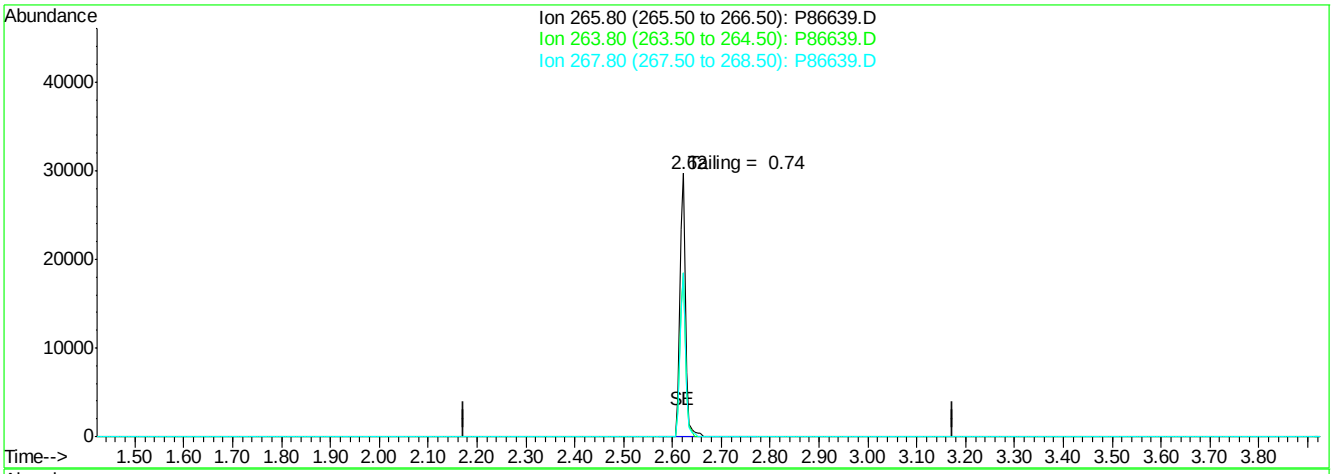
Average of 2.948 to 2.960 min.: P86639.D
dftpp
Modified:subtracted

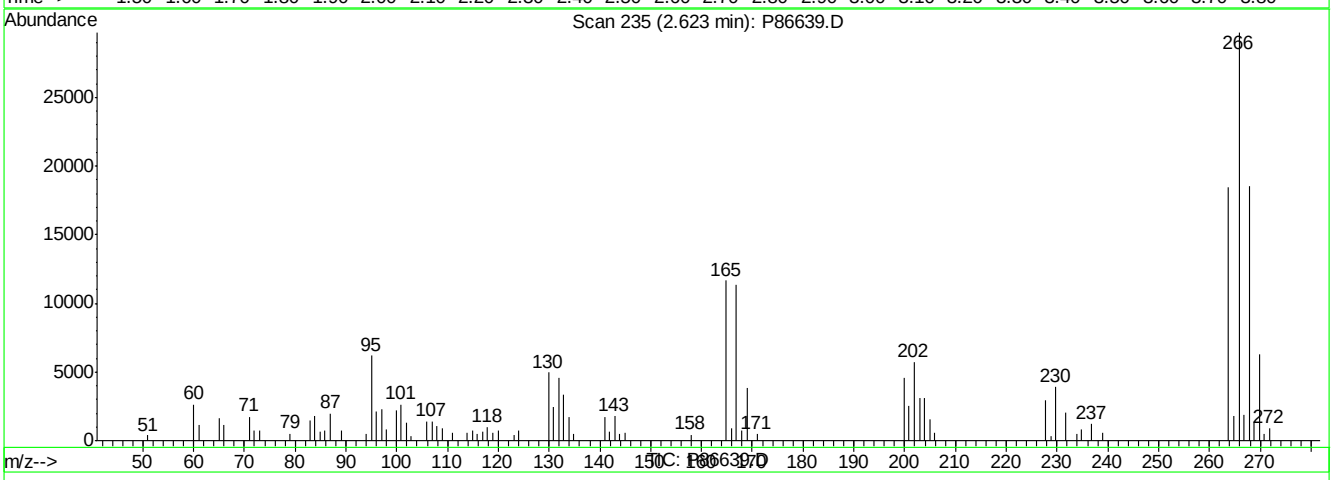
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.90	584	204.00	616	244.00	2009	295.95	1071
180.00	367	205.00	1185	245.00	297	323.00	392
181.00	120	206.00	4924	245.90	347	364.95	385
185.00	322	207.00	743	255.00	10532	422.95	517
186.00	2668	211.00	117	256.00	1522	441.00	1623
187.00	618	216.95	1237	257.95	499	442.00	11349
192.00	128	221.00	1029	272.95	313	443.00	2129
193.00	128	222.95	242	274.00	614	444.00	138
195.95	543	224.00	2898	275.00	4114		
197.90	18911	225.00	573	276.00	485		
199.00	1272	226.95	1095	276.95	346		

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86639.D Vial: 1
Acq On : 24 Jun 2014 7:37 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 19:42 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(1) Pentachlorophenol (t)

2.62min 12.59ppb

response 23413

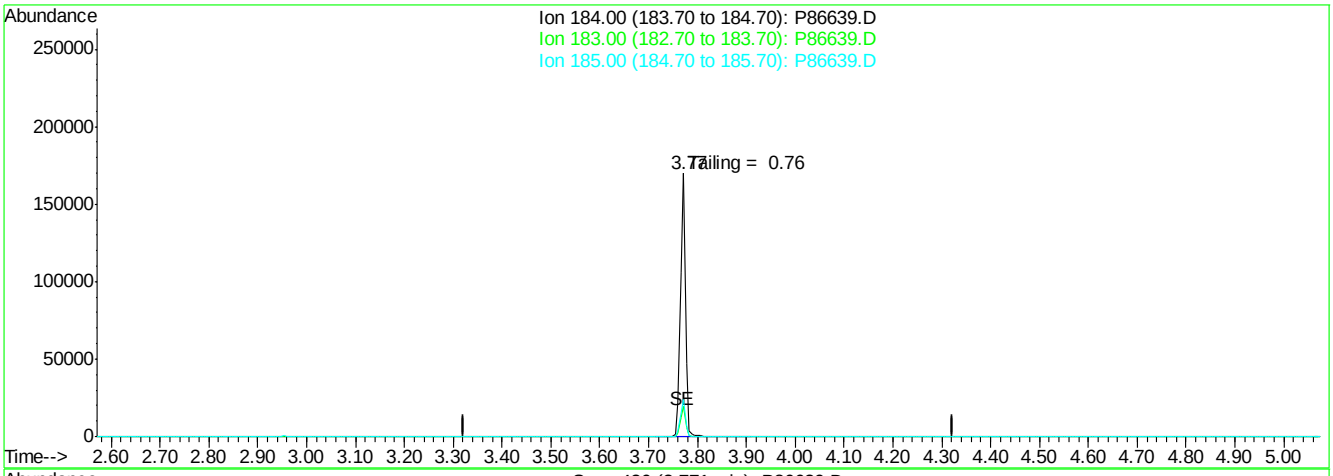
Ion	Exp%	Act%
265.80	100	100
263.80	63.10	62.06
267.80	63.20	62.39
0.00	0.00	0.00

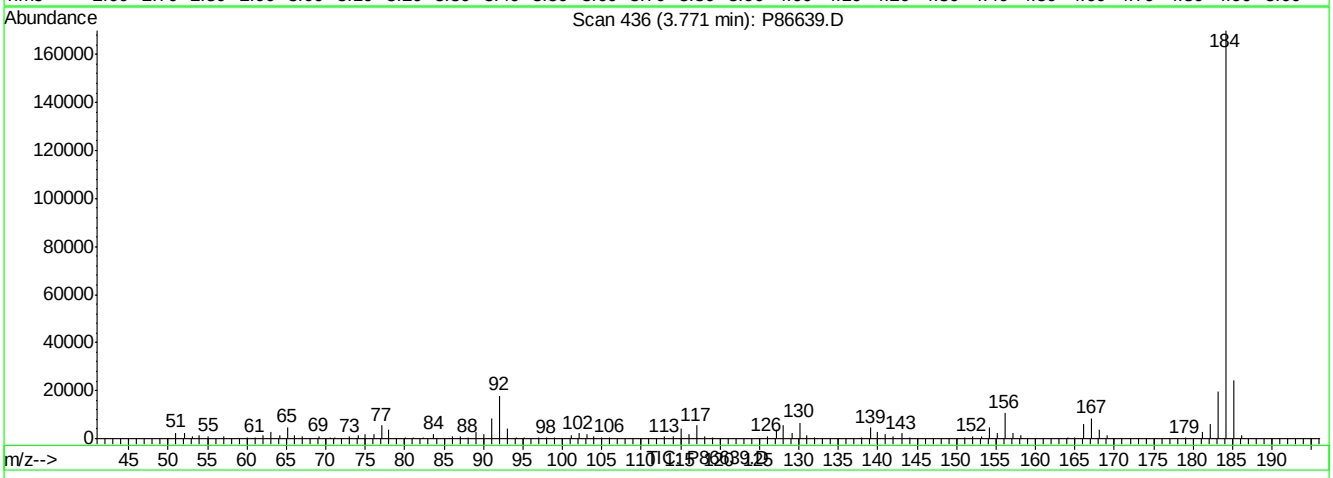
P86639.D DFTPPP.M Thu Jun 26 11:46:25 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86639.D Vial: 1
Acq On : 24 Jun 2014 7:37 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 19:42 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(2) Benzidine (t)

3.77min 6.46ppb

response 121045

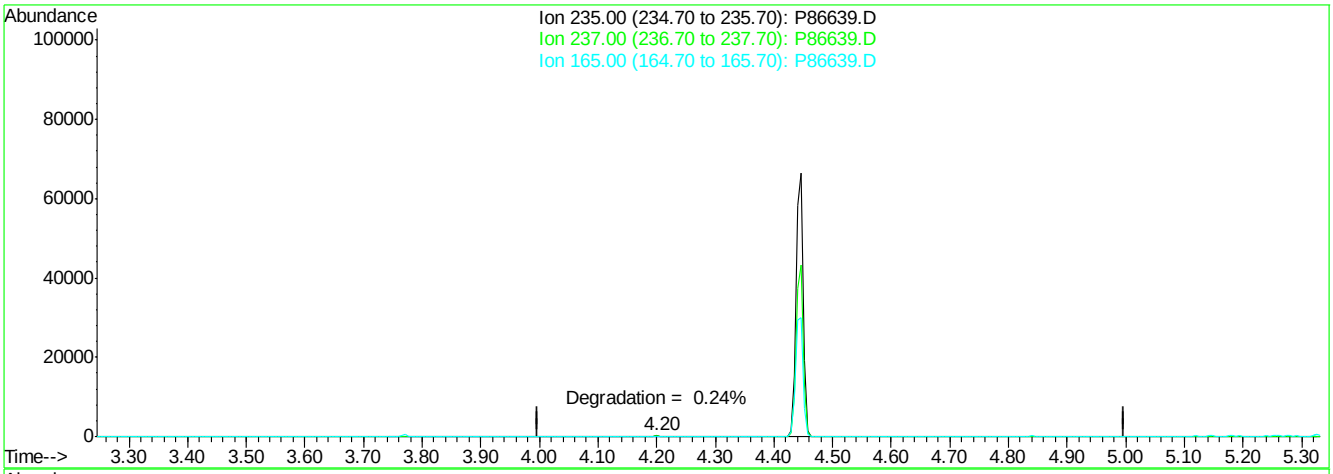
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	11.39
185.00	0.00	14.50
0.00	0.00	0.00

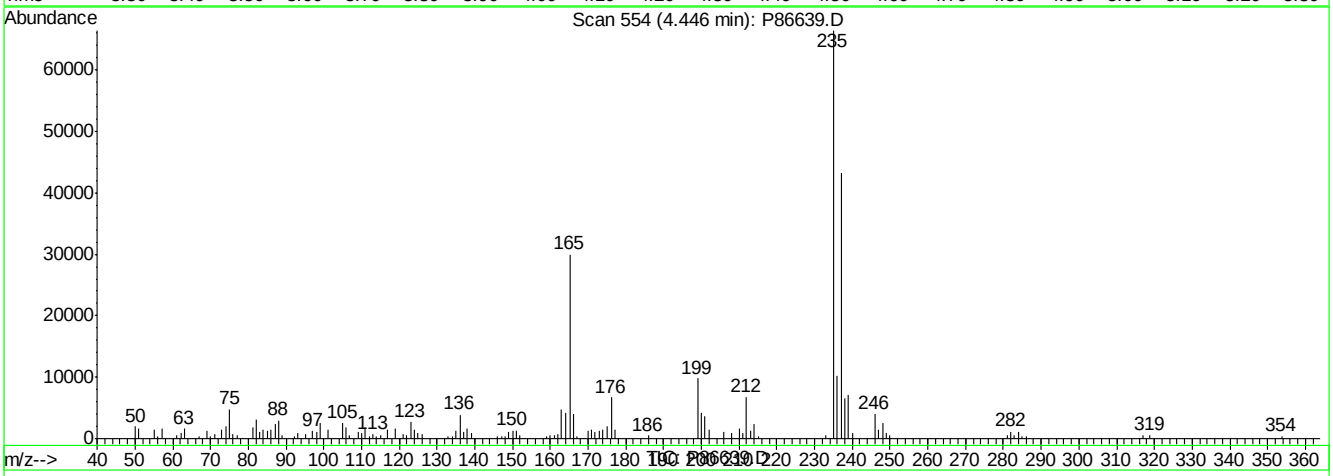
P86639.D DFTPPP.M Thu Jun 26 11:46:31 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86639.D Vial: 1
Acq On : 24 Jun 2014 7:37 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 24 19:42 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(3) ddt

4.45min 5.47ppb

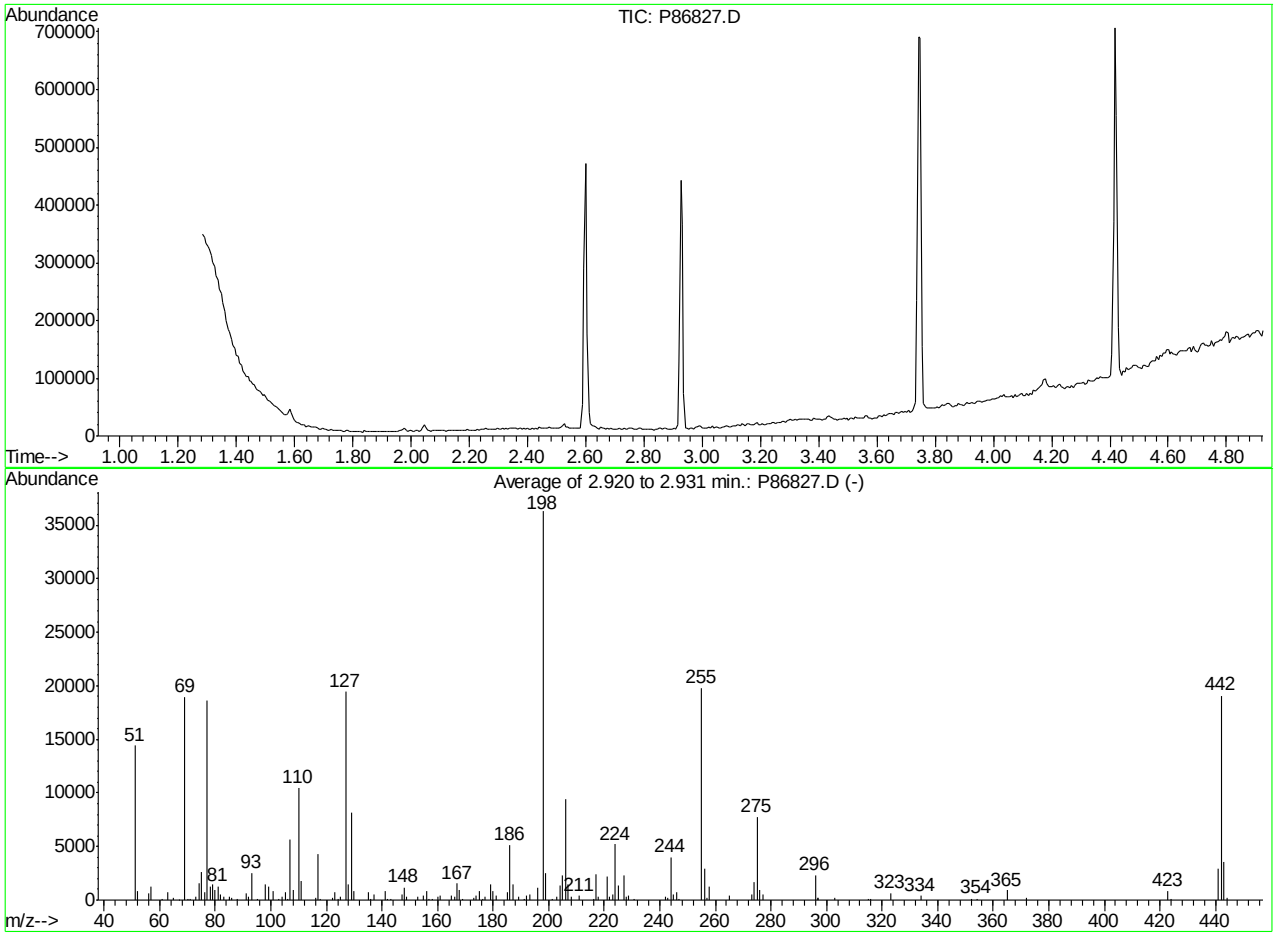
response 55468

Ion	Exp%	Act%
235.00	100	100
237.00	65.40	65.26
165.00	55.50	48.09
0.00	0.00	0.00

P86639.D DFTPPP.M Thu Jun 26 11:46:39 2014

DFTPP

Data File : C:\MSDCHEM\1\DATA\EP3698\P86827.D Vial: 1
Acq On : 29 Jun 2014 12:24 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 287, 288, 289; Background Corrected with Scan 283

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.7	14413	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	52.3	18985	PASS
70	69	0.00	2	0.8	147	PASS
127	198	40	60	53.6	19457	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	36272	PASS
199	198	5	9	6.9	2498	PASS
275	198	10	30	21.4	7749	PASS
365	198	1	100	2.6	938	PASS
441	443	0.10	100	81.8	2926	PASS
442	198	40	100	52.6	19065	PASS
443	442	17	23	18.8	3577	PASS

P86827.D DFTPPP.M Mon Jun 30 09:22:00 2014

Average of 2.920 to 2.931 min.: P86827.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
51.00	14413	73.05	305	84.95	318	103.00	119
52.00	845	74.00	1587	85.20	142	103.90	348
56.00	670	75.00	2617	85.95	240	105.05	686
56.95	1279	76.10	789	88.00	128	106.00	118
60.90	127	77.00	18614	91.00	606	107.00	5665
63.05	709	78.00	1233	92.00	277	108.05	981
65.00	215	79.00	1463	93.00	2522	110.00	10444
67.00	47	79.95	946	95.05	90	111.00	1765
69.00	18985	81.00	1293	98.00	1513	116.00	214
70.00	147	81.95	514	99.00	1293	117.00	4303
71.05	120	83.00	361	100.95	806	117.90	147

Average of 2.920 to 2.931 min.: P86827.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.00	201	140.95	886	159.95	301	177.00	361
123.00	743	141.90	155	160.95	432	179.00	1497
124.00	152	143.00	157	164.90	436	180.00	799
125.00	336	147.05	529	166.05	288	181.00	435
127.00	19457	147.95	1170	167.00	1567	185.00	718
128.00	1450	149.00	307	167.95	984	186.00	5157
129.00	8186	153.00	280	169.00	119	187.00	1433
130.00	809	155.00	456	173.00	253	189.05	303
134.95	734	156.00	866	173.95	409	191.10	131
136.00	129	157.00	117	175.00	799	192.00	418
137.00	540	157.90	152	176.10	147	193.00	562

Average of 2.920 to 2.931 min.: P86827.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
195.95	1194	216.00	134	230.90	135	264.90	427
197.90	36272	217.00	2452	242.00	303	272.95	579
198.95	2498	217.90	343	243.00	164	273.95	1668
201.30	147	221.00	2161	244.00	4012	275.00	7749
203.00	354	221.90	336	245.00	482	276.00	896
204.00	1383	223.00	555	245.95	685	276.95	564
205.00	2342	224.00	5225	247.00	135	295.95	2327
206.00	9462	225.00	1389	255.00	19806	296.80	177
207.00	1505	227.00	2297	256.00	2937	297.00	166
208.00	342	227.90	292	256.95	261	302.95	252
211.05	383	228.90	406	257.95	1215	314.90	133

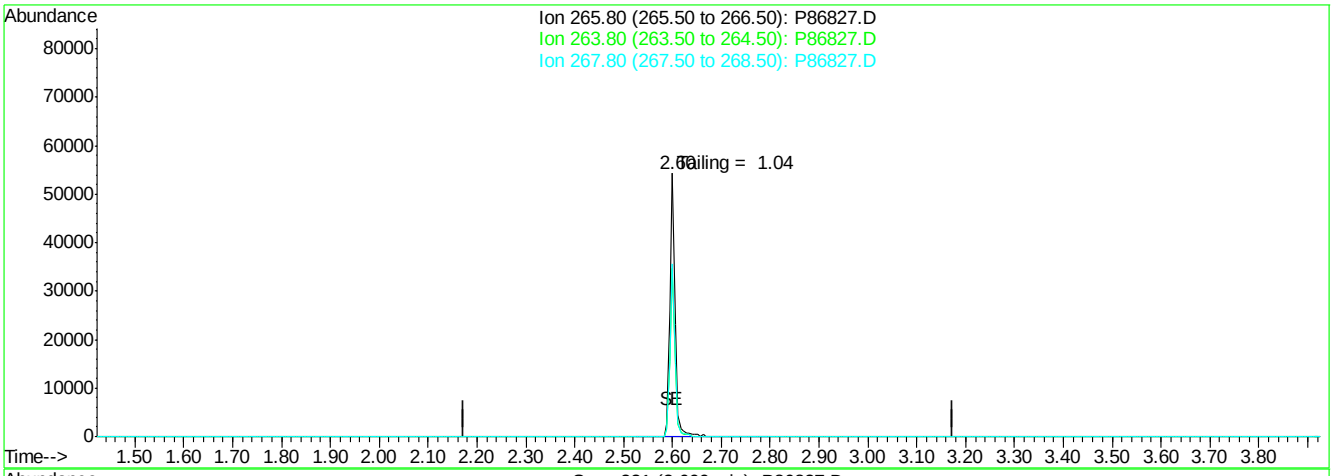
Average of 2.920 to 2.931 min.: P86827.D
dftpp
Modified:subtracted

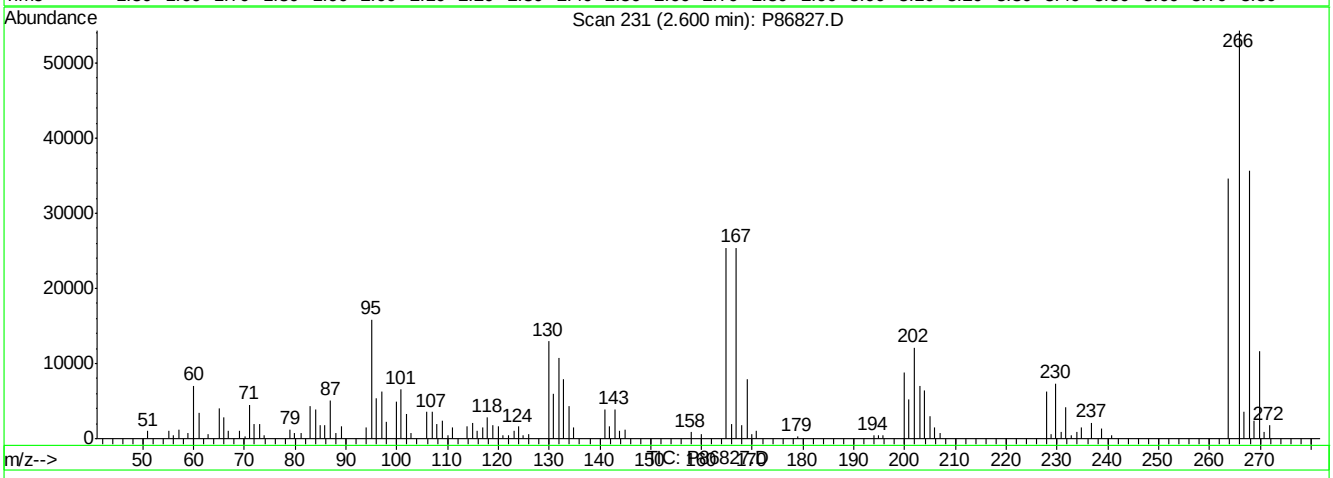
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
316.00	122	442.90	3577				
323.00	644	444.00	202				
333.90	419						
352.00	125						
354.00	134						
364.90	938						
372.00	231						
422.95	850						
424.00	118						
441.00	2926						
442.00	19065						

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86827.D Vial: 1
Acq On : 29 Jun 2014 12:24 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 12:35 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(1) Pentachlorophenol (t)

2.60min 21.41ppb

response 39798

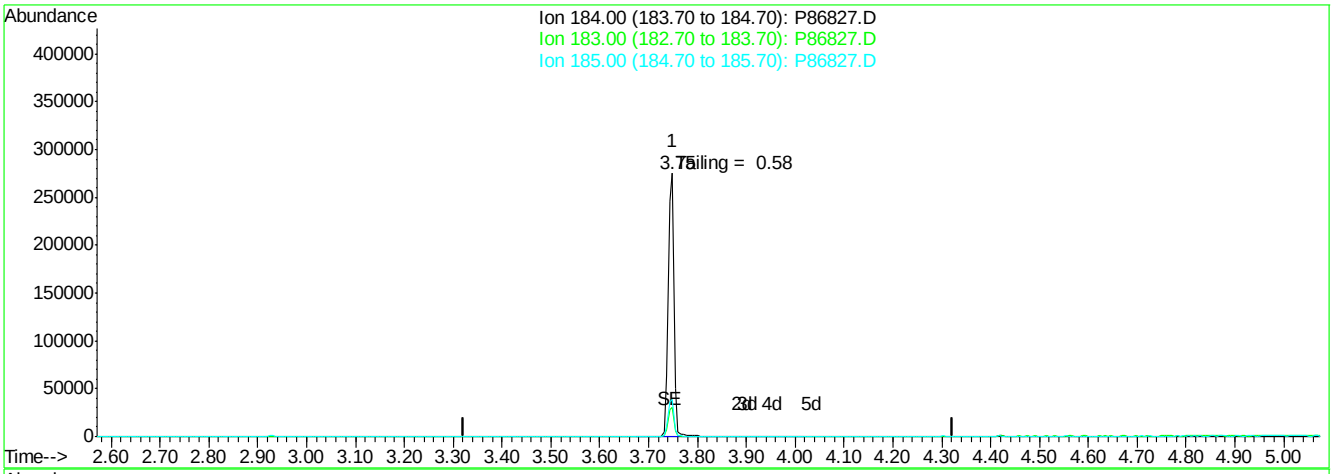
Ion	Exp%	Act%
265.80	100	100
263.80	63.10	63.75
267.80	63.20	65.77
0.00	0.00	0.00

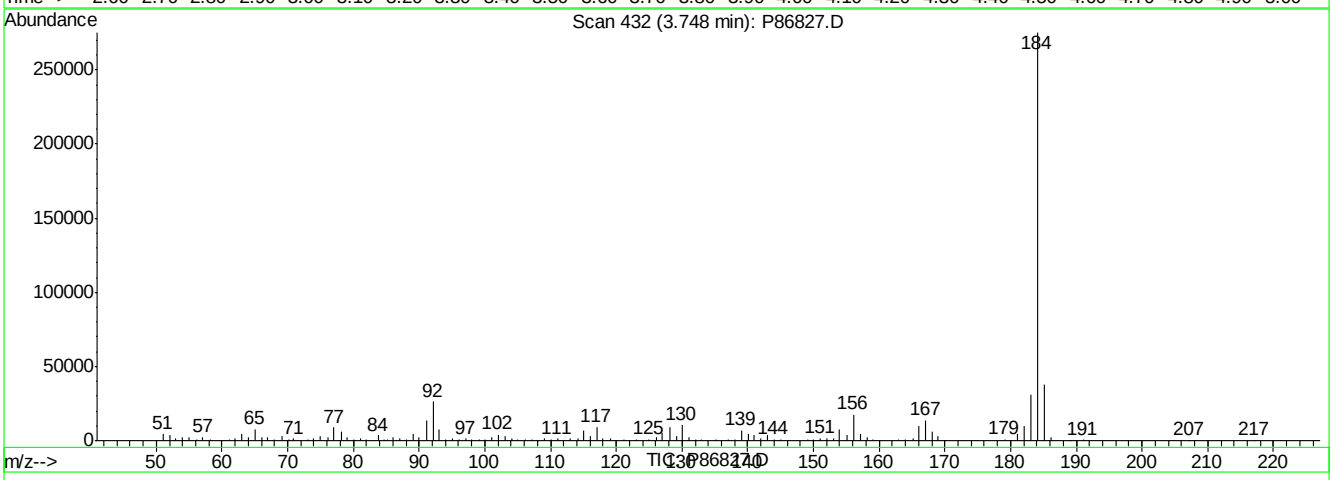
P86827.D DFTPPP.M Mon Jun 30 09:22:07 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86827.D Vial: 1
Acq On : 29 Jun 2014 12:24 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 12:35 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(2) Benzidine (t)

3.75min 12.04ppb

response 225494

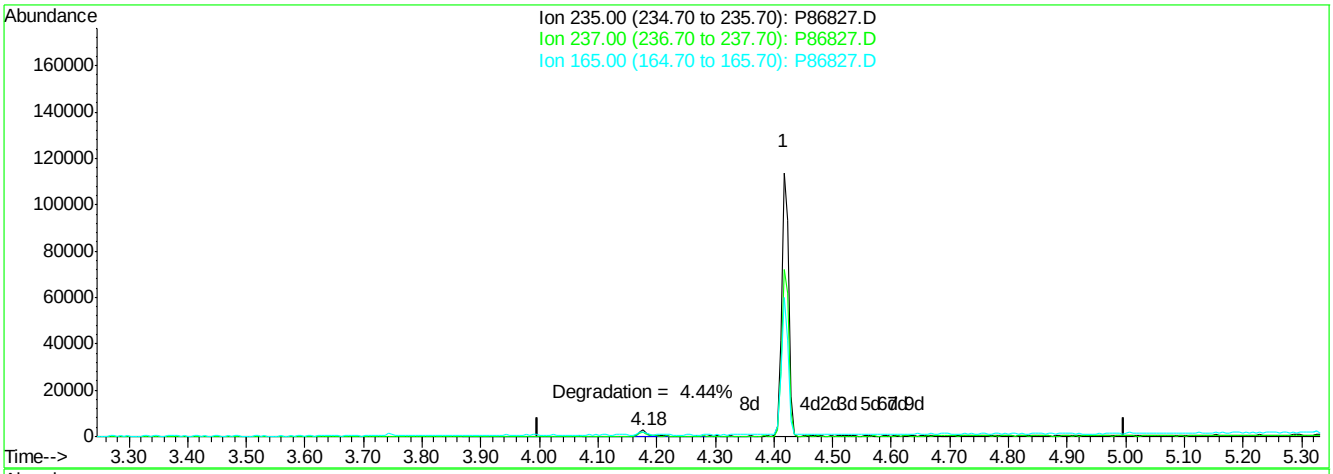
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	11.48
185.00	0.00	14.61
0.00	0.00	0.00

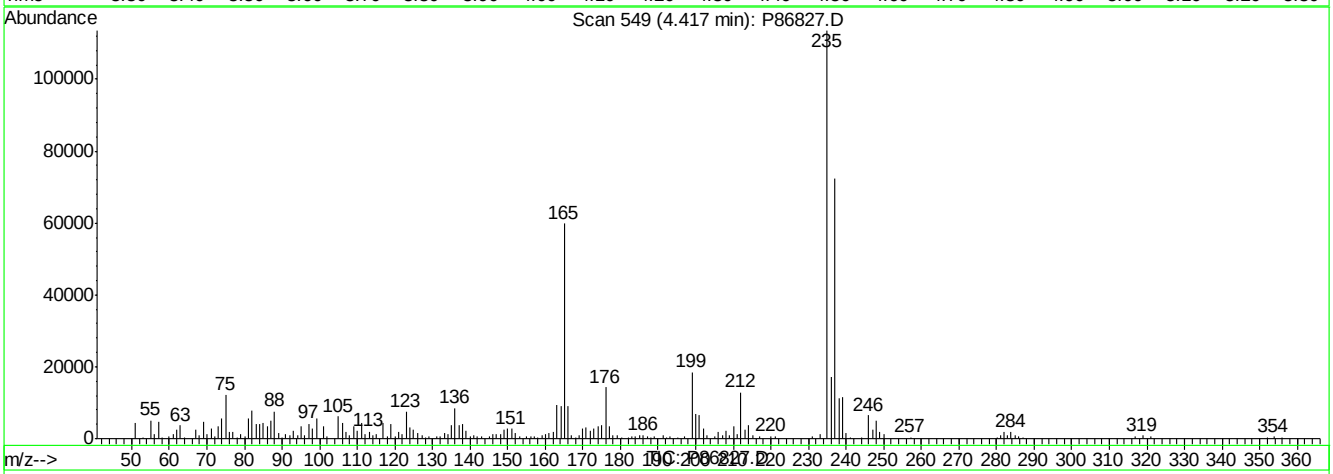
P86827.D DFTPPP.M Mon Jun 30 09:22:13 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86827.D Vial: 1
Acq On : 29 Jun 2014 12:24 pm Operator: ashleyd
Sample : dftpp Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 29 12:35 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(3) ddt

4.42min 9.21ppb

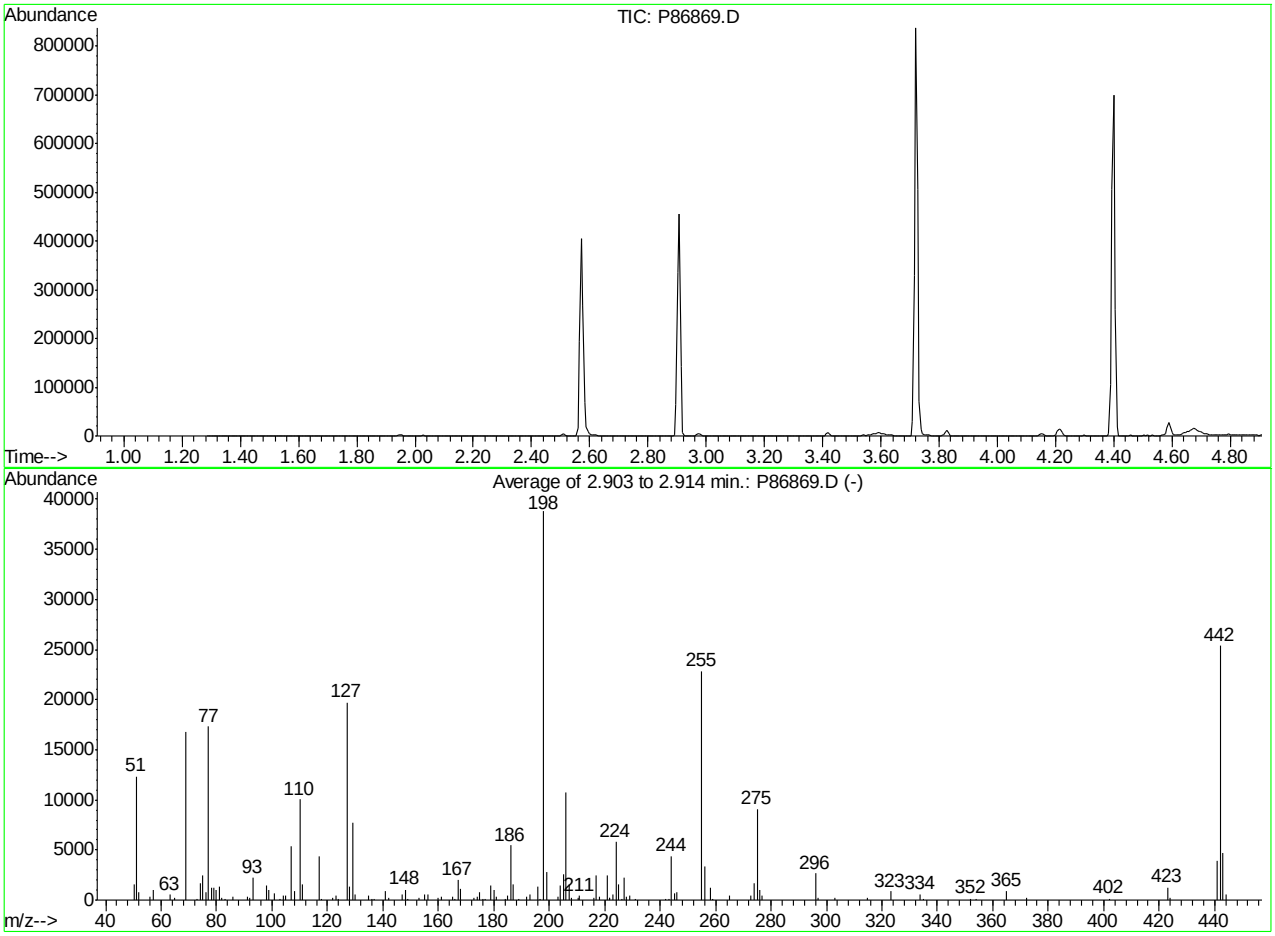
response 93418

Ion	Exp%	Act%
235.00	100	100
237.00	65.40	64.85
165.00	55.50	50.17
0.00	0.00	0.00

P86827.D DFTPPP.M Mon Jun 30 09:22:21 2014

DFTPP

Data File : C:\MSDCHEM\1\DATA\EP3699\P86869.D Vial: 1
Acq On : 30 Jun 2014 1:23 pm Operator: harpreek
Sample : dftpp Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um



AutoFind: Scans 284, 285, 286; Background Corrected with Scan 279

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	31.9	12360	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	43.3	16800	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	50.8	19715	PASS
197	198	0.00	1	0.4	139	PASS
198	198	100	100	100.0	38773	PASS
199	198	5	9	7.1	2746	PASS
275	198	10	30	23.5	9106	PASS
365	198	1	100	2.4	938	PASS
441	443	0.10	100	81.5	3873	PASS
442	198	40	100	65.5	25386	PASS
443	442	17	23	18.7	4754	PASS

P86869.D DFTPPP.M Wed Jul 02 10:32:52 2014

Average of 2.903 to 2.914 min.: P86869.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.10	1546	76.05	798	93.00	2192	117.00	4330
51.05	12360	77.10	17318	98.00	1427	118.00	117
52.05	750	78.05	1286	99.00	1015	122.00	257
55.95	390	79.00	1193	100.95	651	123.05	467
57.00	1027	80.00	998	103.00	148	124.00	139
63.10	520	81.00	1325	103.95	410	127.00	19715
65.00	258	82.00	271	104.95	417	128.05	1363
69.00	16800	83.00	142	107.00	5349	129.00	7736
73.10	136	85.95	334	107.95	878	129.95	604
74.00	1655	91.00	291	110.00	10064	134.90	449
75.00	2417	92.00	180	110.95	1540	136.00	148

Average of 2.903 to 2.914 min.: P86869.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.00	147	164.95	321	181.00	354	198.90	2746
141.00	883	166.10	123	184.00	121	202.95	320
142.00	181	166.95	1992	185.00	495	204.00	1474
147.05	579	168.00	1110	186.00	5468	205.00	2598
148.00	1052	172.85	275	187.00	1585	206.00	10762
148.90	145	174.00	374	189.00	123	207.00	1540
153.00	242	175.00	804	191.85	394	208.00	215
155.00	558	176.00	132	192.95	610	210.40	182
156.05	592	176.90	121	196.00	1307	210.95	427
159.95	264	179.00	1417	196.70	139	215.95	276
161.00	358	180.00	999	197.90	38773	216.90	2433

Average of 2.903 to 2.914 min.: P86869.D
dftpp
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
217.95	328	230.90	140	272.85	489	335.00	117
221.00	2501	242.00	159	273.95	1732	352.00	124
221.60	220	243.00	156	275.00	9106	354.00	119
221.90	200	244.00	4420	276.00	1037	364.95	938
222.95	524	245.00	632	276.90	479	372.00	275
224.00	5817	246.00	823	295.95	2665	402.00	124
225.00	1524	255.00	22839	297.00	216	422.95	1285
226.00	128	255.95	3347	303.00	238	424.00	172
227.00	2290	258.00	1275	314.90	178	440.95	3873
227.95	346	259.00	122	323.05	862	442.00	25386
228.95	396	265.00	463	333.90	574	443.00	4754

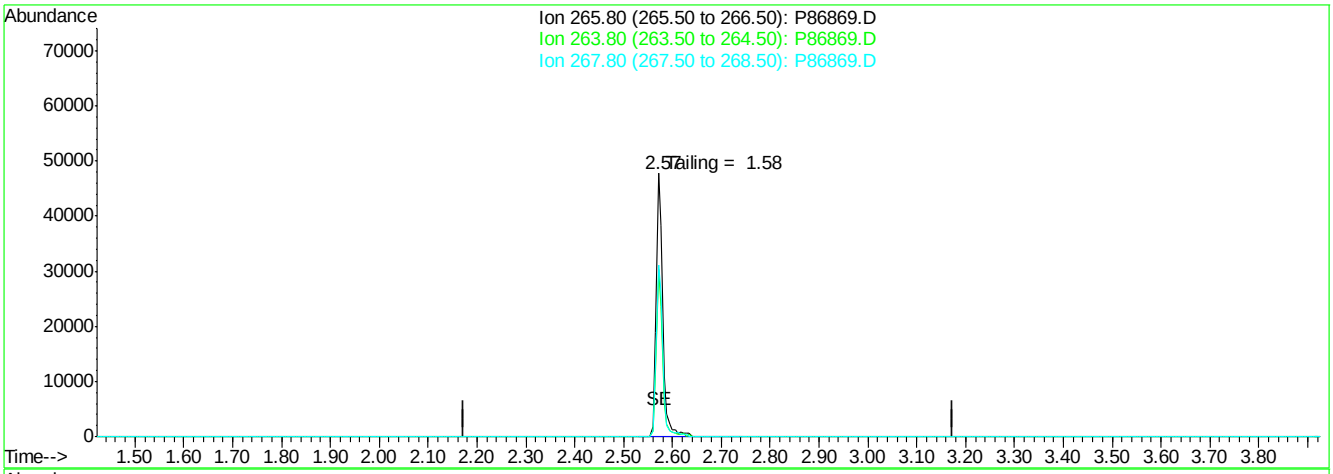
Average of 2.903 to 2.914 min.: P86869.D
dftpp
Modified:subtracted

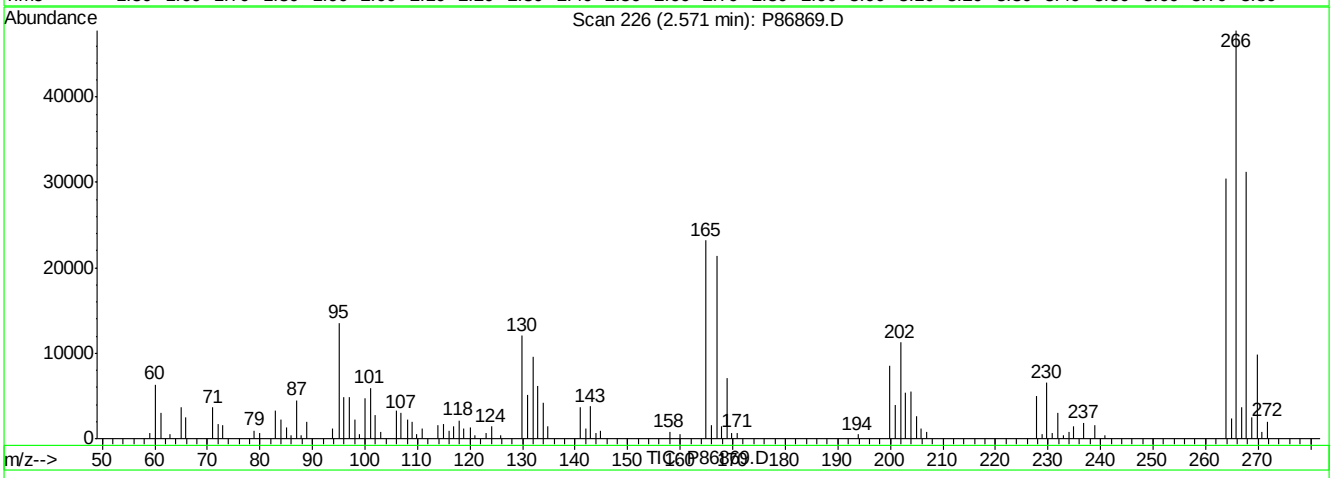
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.00	551						

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86869.D Vial: 1
Acq On : 30 Jun 2014 1:23 pm Operator: harpreek
Sample : dftpp Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 30 13:28 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(1) Pentachlorophenol (t)

2.57min 23.94ppb

response 44512

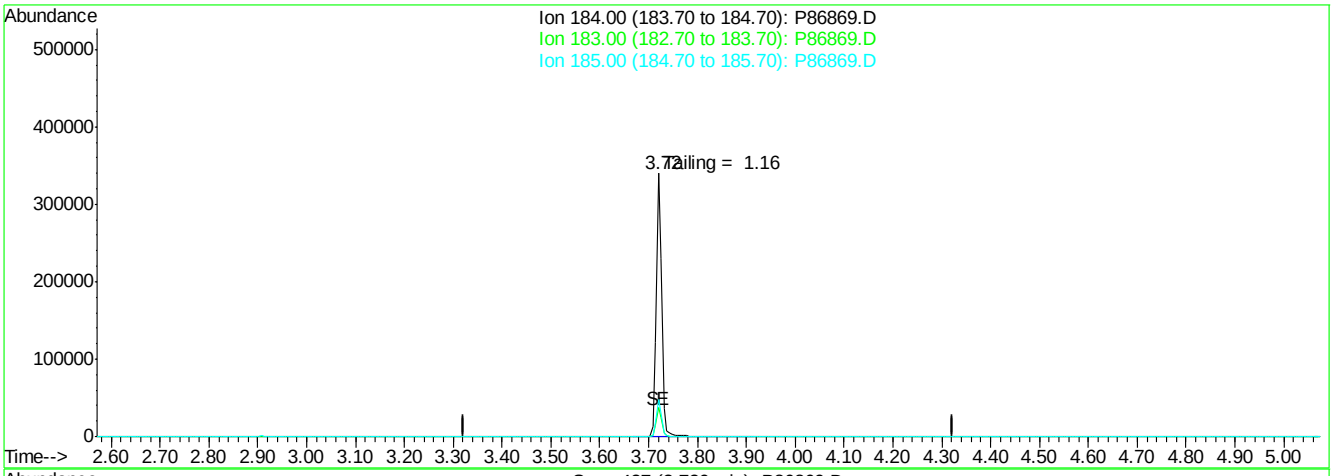
Ion	Exp%	Act%
265.80	100	100
263.80	63.10	63.63
267.80	63.20	65.37
0.00	0.00	0.00

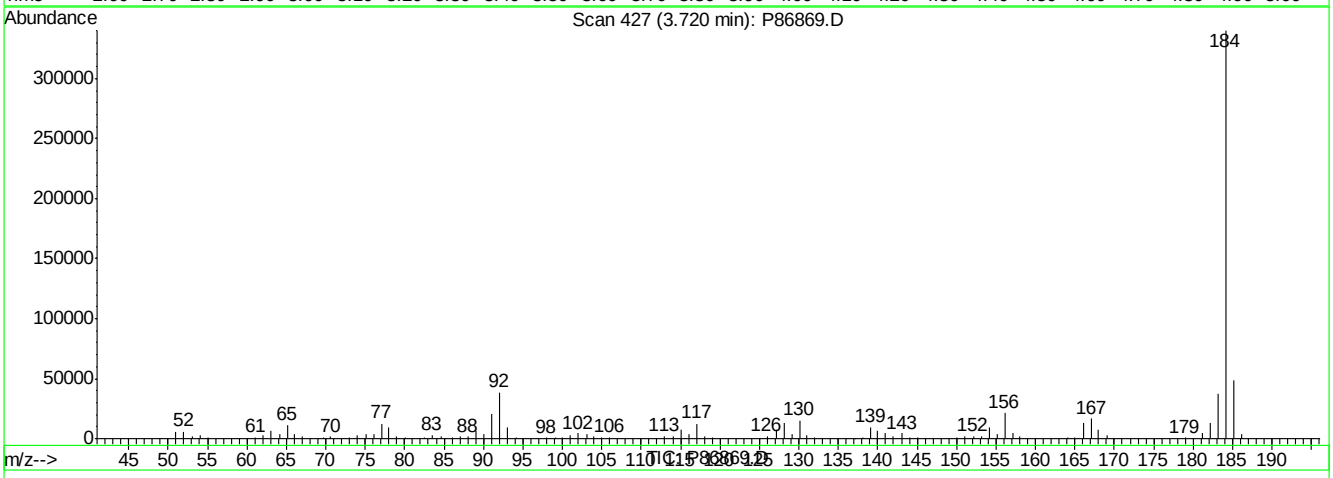
P86869.D DFTPPP.M Wed Jul 02 10:32:58 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86869.D Vial: 1
Acq On : 30 Jun 2014 1:23 pm Operator: harpreek
Sample : dftpp Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 30 13:28 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(2) Benzidine (t)

3.72min 14.04ppb

response 263088

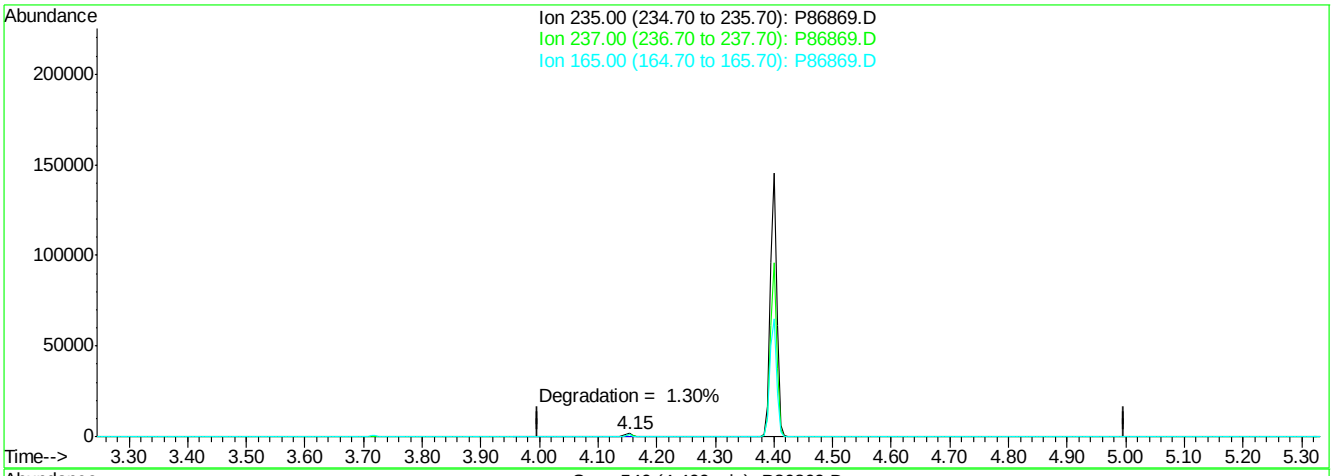
Ion	Exp%	Act%
184.00	100	100
183.00	0.00	10.79
185.00	0.00	13.99
0.00	0.00	0.00

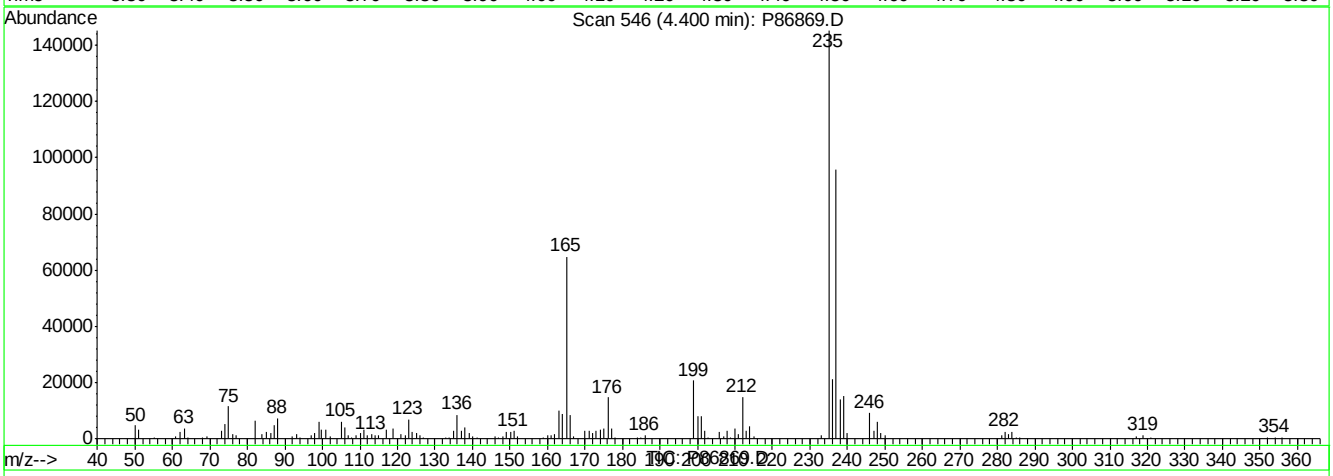
P86869.D DFTPPP.M Wed Jul 02 10:33:04 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86869.D Vial: 1
Acq On : 30 Jun 2014 1:23 pm Operator: harpreek
Sample : dftpp Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 30 13:28 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\DFTPPP.M (RTE Integrator)
Title : Semi Volatile GC/MS, ZB-5MSi 30m x .25mm x .25um
Last Update : Thu Jun 19 11:40:07 2014
Response via : Single Level Calibration





(3) ddt

4.40min 11.06ppb

response 112223

Ion	Exp%	Act%
235.00	100	100
237.00	65.40	64.14
165.00	55.50	46.42
0.00	0.00	0.00

P86869.D DFTPPP.M Wed Jul 02 10:33:11 2014

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61403.D
Acq On : 4 Jun 2014 9:51 pm
Operator : olgaa
Sample : ic2647-100
Misc : op74977,e3e2647,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:04:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:03:01 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	219122	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	842727	40.00	ppb	0.00
47) Acenaphthene-d10	8.262	164	437645	40.00	ppb	0.00
69) Phenanthrene-d10	10.461	188	631082	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	537386	40.00	ppb	0.00
92) Perylene-d12	16.793	264	476270	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	219122	40.00	ppb	0.00
104) Acenaphthene-d10a	8.262	164	437645	40.00	ppb	0.00
106) Phenanthrene-d10a	10.461	188	631082	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	537386	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	842727	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	0d	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%		
108) o-Terphenyl	11.102	230	898265	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
109) 1-Chlorooctadecane	12.295	57	567216	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	522423	100.00	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	559422	100.00	ppb	98
107) Atrazine	10.081	215	188930	100.00	ppb	98
111) benzidine	12.616	184	705974	100.00	ppb	100
113) Hydroquinone	6.545	110	703135	100.00	ppb	98

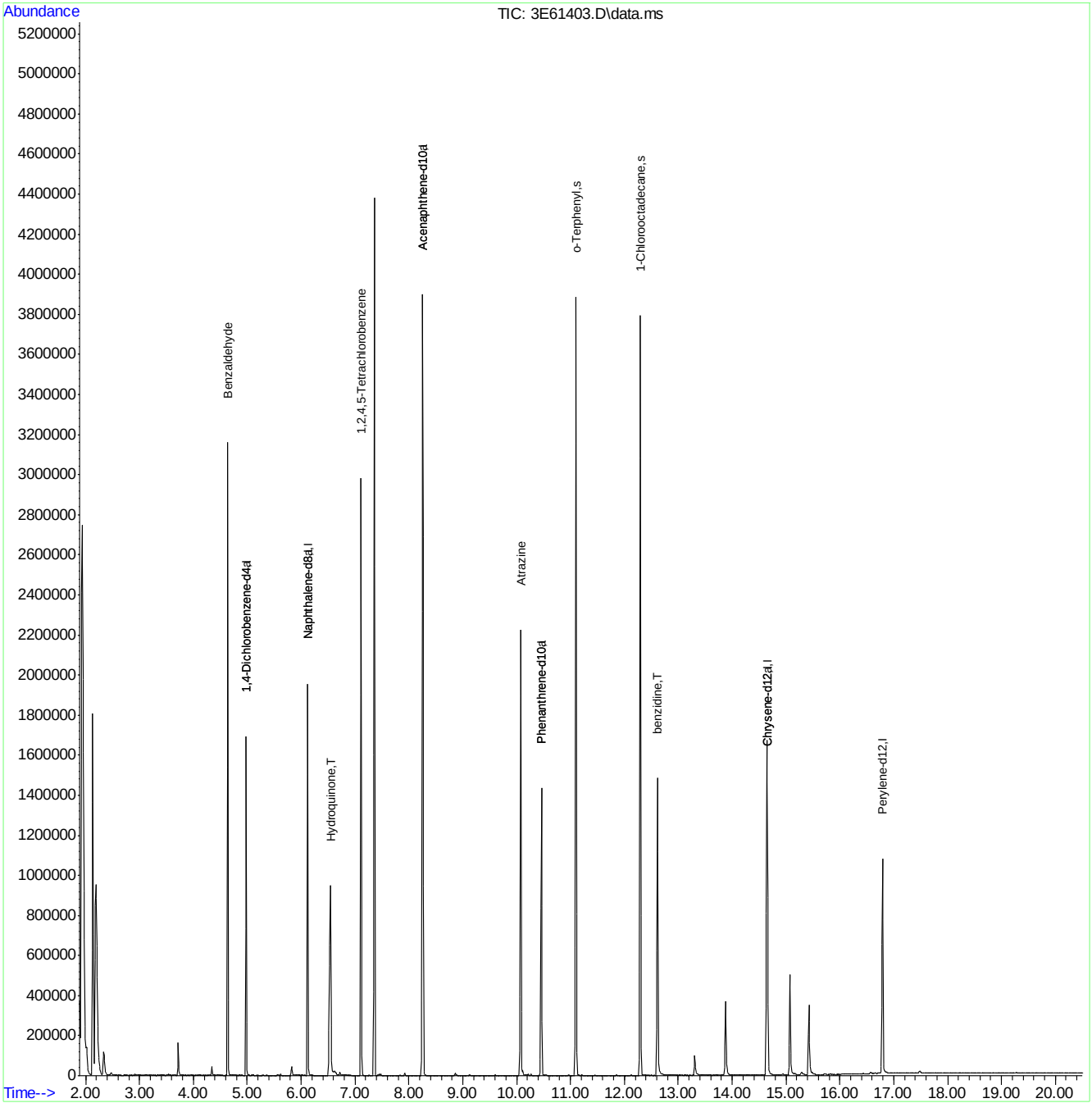
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61403.D
Acq On : 4 Jun 2014 9:51 pm
Operator : olgaa
Sample : ic2647-100
Misc : op74977,e3e2647,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 16:04:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:03:01 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61404.D
Acq On : 4 Jun 2014 10:18 pm
Operator : olgaa
Sample : ic2647-80
Misc : op74977,e3e2647,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 16:05:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

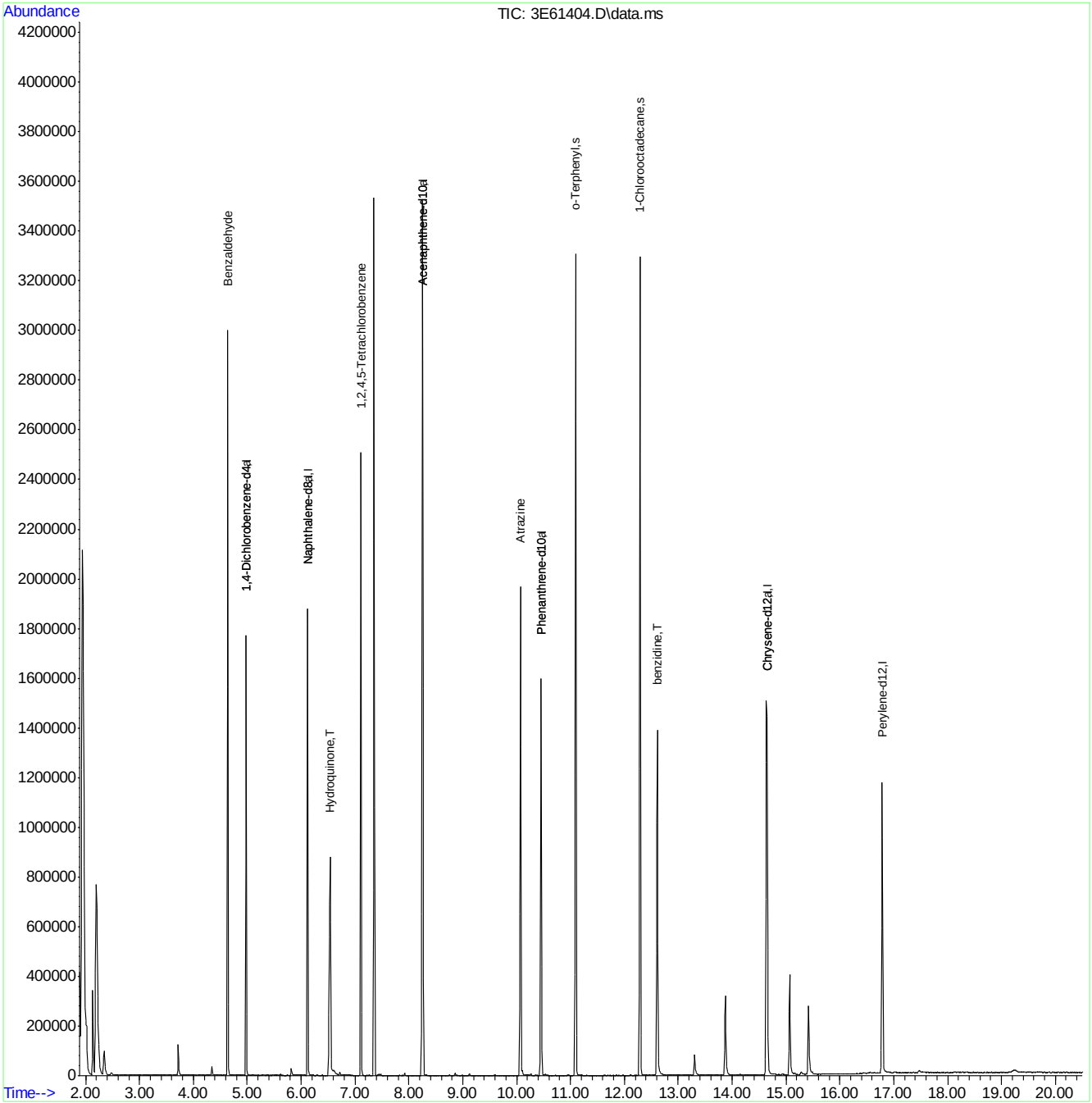
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	225341	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	872894	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	455341	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	663719	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	570476	40.00	ppb	0.00
92) Perylene-d12	16.788	264	517288	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	225341	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	455341	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	663719	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	570476	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	872894	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	0d	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%		
108) o-Terphenyl	11.097	230	749456	79.33	ppb	0.00
Spiked Amount 50.000			Recovery =	158.66%		
109) 1-Chlorooctadecane	12.290	57	492442	82.55	ppb	0.00
Spiked Amount 50.000			Recovery =	165.10%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	478062	88.98	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	452750	77.79	ppb	98
107) Atrazine	10.076	215	157908	79.47	ppb	97
111) benzidine	12.611	184	675514	90.14	ppb	99
113) Hydroquinone	6.540	110	581102	79.79	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61404.D
Acq On : 4 Jun 2014 10:18 pm
Operator : olgaa
Sample : ic2647-80
Misc : op74977,e3e2647,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 16:05:39 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

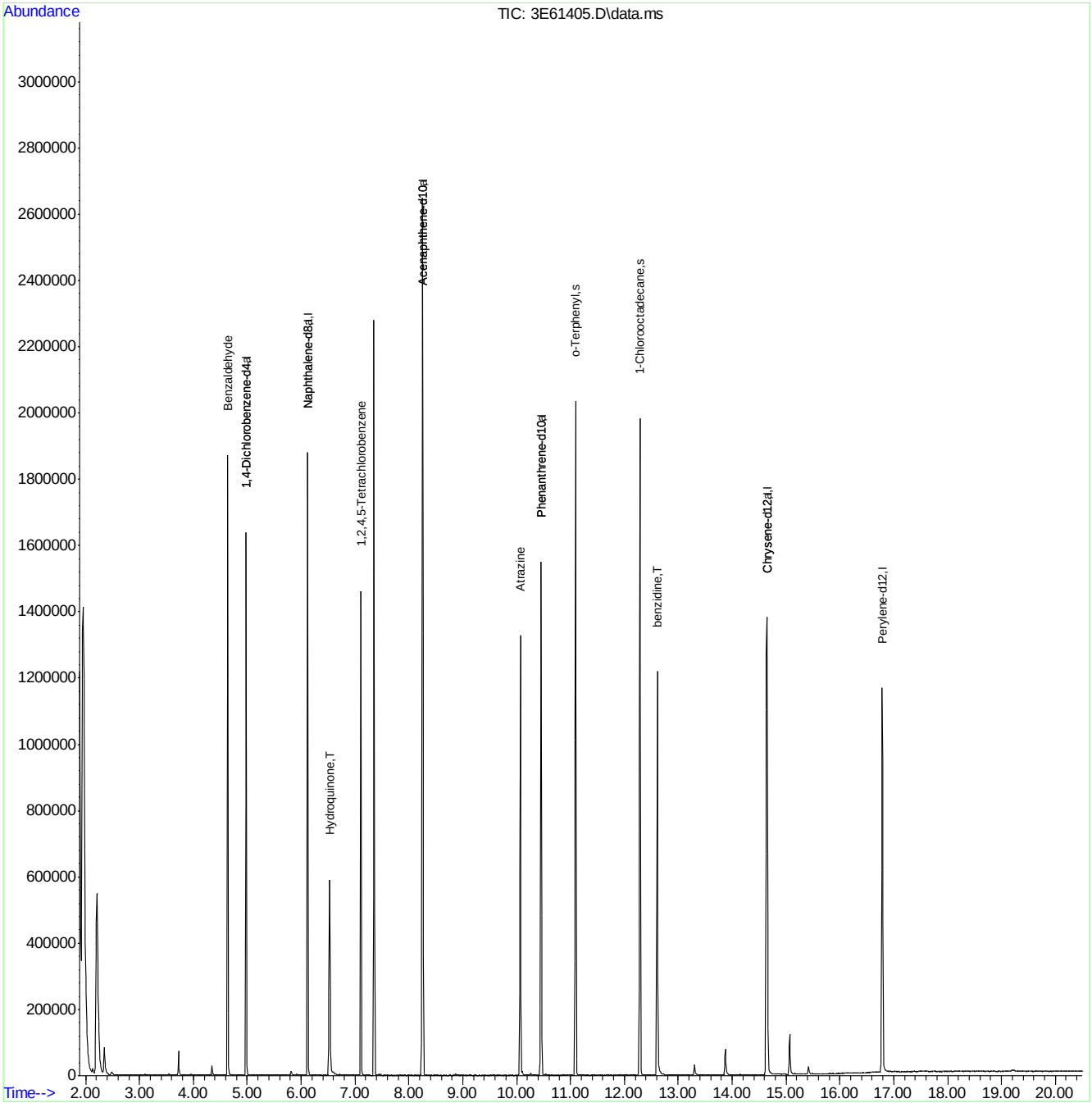
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	216759	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	835764	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	442956	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	656231	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	565845	40.00	ppb	0.00
92) Perylene-d12	16.788	264	503729	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	216759	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	442956	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	656231	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	565845	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	835764	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	0d	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%		
108) o-Terphenyl	11.097	230	451822	48.37	ppb	0.00
Spiked Amount 50.000			Recovery =	96.74%		
109) 1-Chlorooctadecane	12.290	57	304565	51.64	ppb	0.00
Spiked Amount 50.000			Recovery =	103.28%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	306401	59.29	ppb	96
105) 1,2,4,5-Tetrachloroben...	7.112	216	266663	47.10	ppb	98
107) Atrazine	10.070	215	92698	47.18	ppb	97
111) benzidine	12.611	184	571356	76.86	ppb	99
113) Hydroquinone	6.529	110	354481	50.83	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61405.D
Acq On : 4 Jun 2014 10:46 pm
Operator : olgaa
Sample : icc2647-50
Misc : op74977,e3e2647,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 05 16:06:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

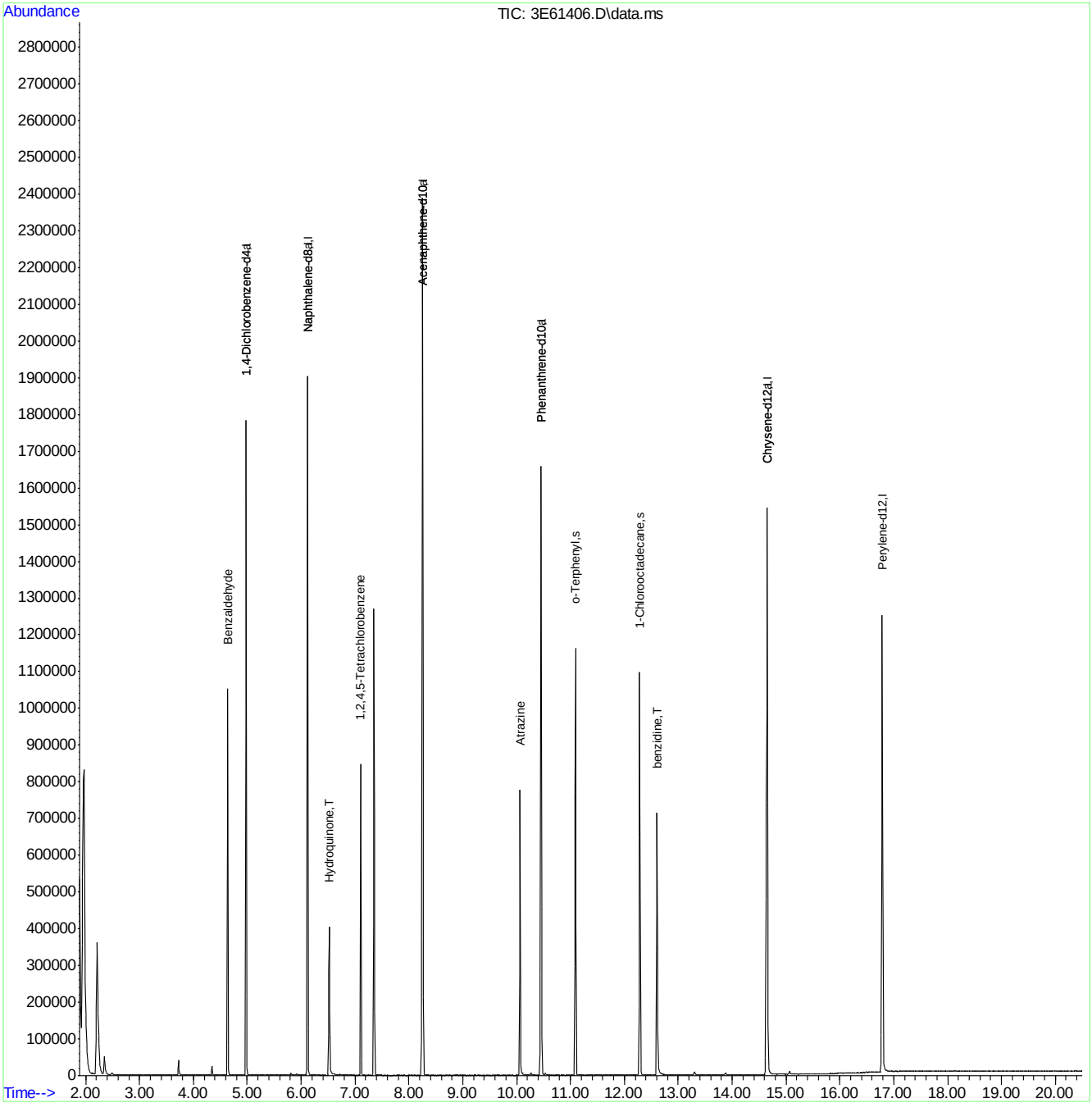
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	229663	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	889209	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	479103	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	718287	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	622505	40.00	ppb	0.00
92) Perylene-d12	16.788	264	544543	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	229663	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	479103	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	718287	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	622505	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	889209	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	0d	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%		
108) o-Terphenyl	11.092	230	247892	24.25	ppb	-0.01
Spiked Amount 50.000			Recovery =	48.50%		
109) 1-Chlorooctadecane	12.285	57	164633	25.50	ppb	-0.01
Spiked Amount 50.000			Recovery =	51.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	167915	30.67	ppb	97
105) 1,2,4,5-Tetrachloroben...	7.107	216	147156	24.03	ppb	100
107) Atrazine	10.065	215	51118	23.77	ppb	97
111) benzidine	12.606	184	343541	42.01	ppb	99
113) Hydroquinone	6.519	110	183911	24.79	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61406.D
Acq On : 4 Jun 2014 11:14 pm
Operator : olgaa
Sample : ic2647-25
Misc : op74977,e3e2647,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 05 16:07:21 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



M3E2646.M Thu Jun 05 16:07:30 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

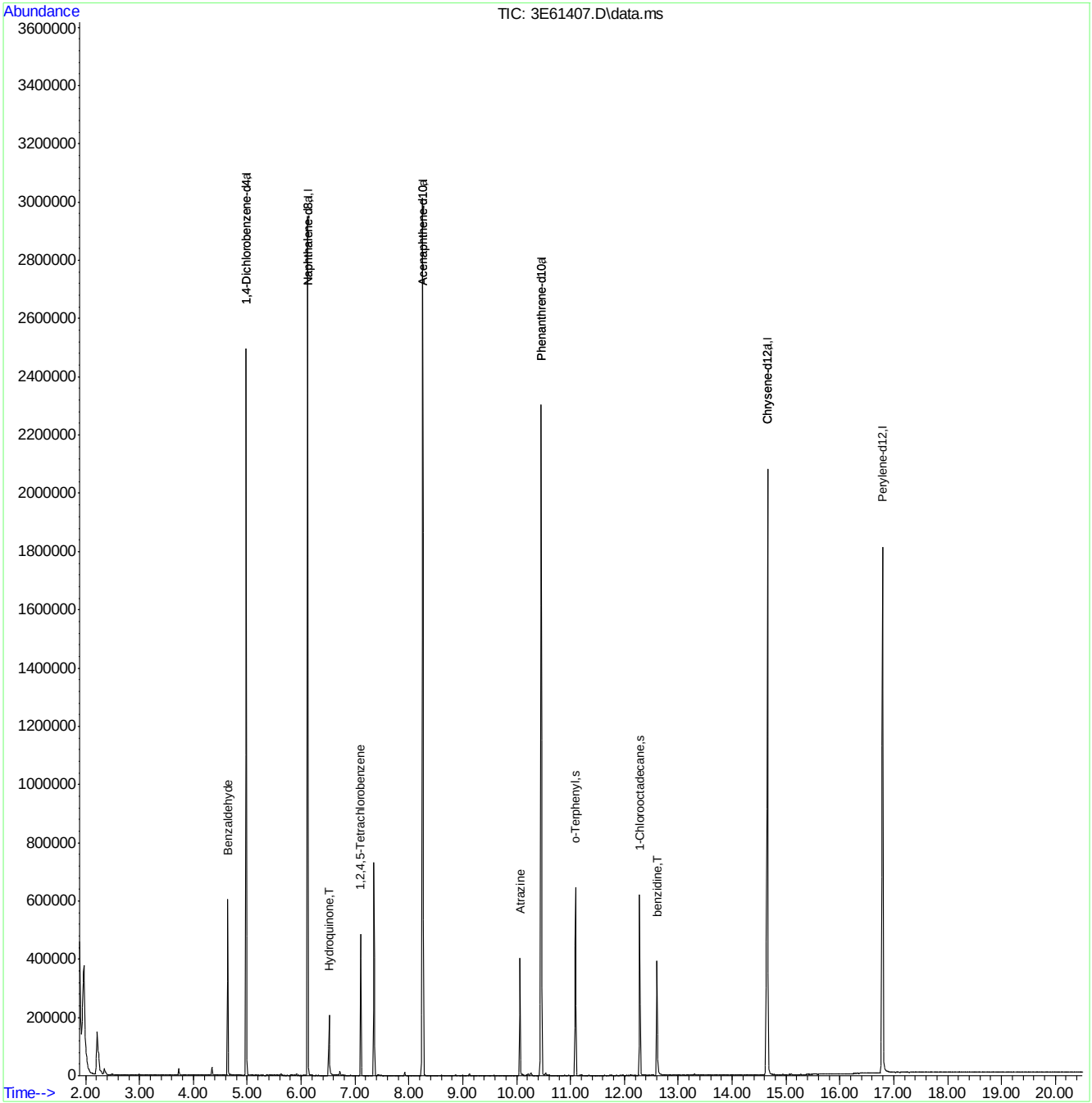
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	338669	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1287062	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	709486	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1055698	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	928590	40.00	ppb	0.00
92) Perylene-d12	16.793	264	820489	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	338669	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	709486	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1055698	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	928590	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1287062	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	0d	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%		
108) o-Terphenyl	11.092	230	141538	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
109) 1-Chlorooctadecane	12.284	57	89362	9.42	ppb	-0.01
Spiked Amount 50.000			Recovery =	18.84%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	95948	11.88	ppb	95
105) 1,2,4,5-Tetrachloroben...	7.107	216	84702	9.34	ppb	99
107) Atrazine	10.065	215	27922	8.83	ppb	95
111) benzidine	12.605	184	181147	14.85	ppb	98
113) Hydroquinone	6.519	110	89282	8.31	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61407.D
Acq On : 4 Jun 2014 11:41 pm
Operator : olgaa
Sample : ic2647-10
Misc : op74977,e3e2647,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 05 16:08:09 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

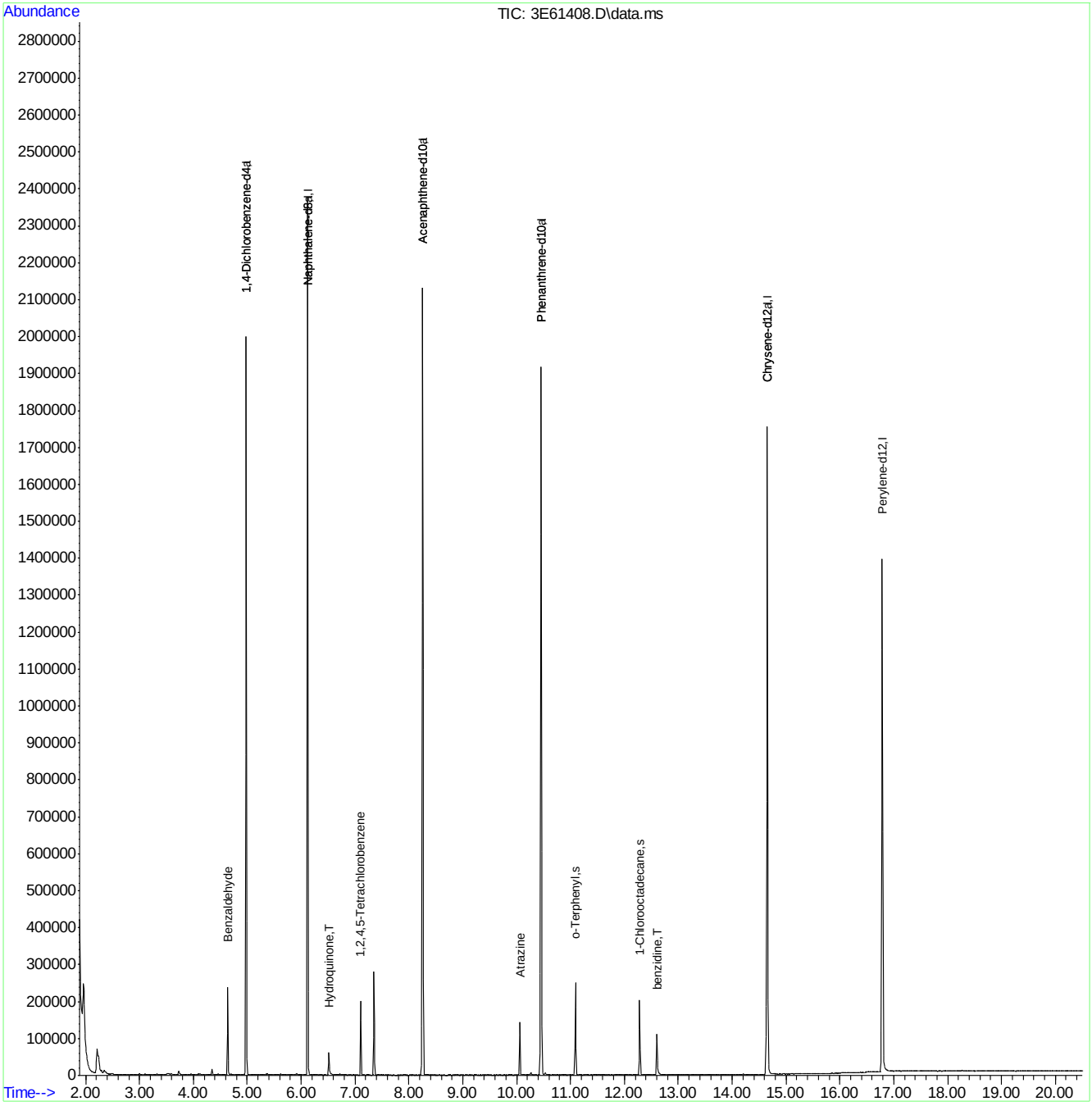
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	275702	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1033457	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	555305	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	825206	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	717978	40.00	ppb	0.00
92) Perylene-d12	16.788	264	626137	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	275702	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	555305	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	825206	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	717978	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1033457	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	0d	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%		
108) o-Terphenyl	11.092	230	53526	4.56	ppb	-0.01
Spiked Amount 50.000			Recovery =	9.12%		
109) 1-Chlorooctadecane	12.284	57	28599	3.86	ppb	-0.01
Spiked Amount 50.000			Recovery =	7.72%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	38177	5.81	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.107	216	34103	4.80	ppb	98
107) Atrazine	10.059	215	9275	3.75	ppb	93
111) benzidine	12.605	184	55142	5.85	ppb	98
113) Hydroquinone	6.513	110	26151	3.03	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61408.D
Acq On : 5 Jun 2014 12:09 am
Operator : olgaa
Sample : ic2647-5
Misc : op74977,e3e2647,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 05 16:11:19 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

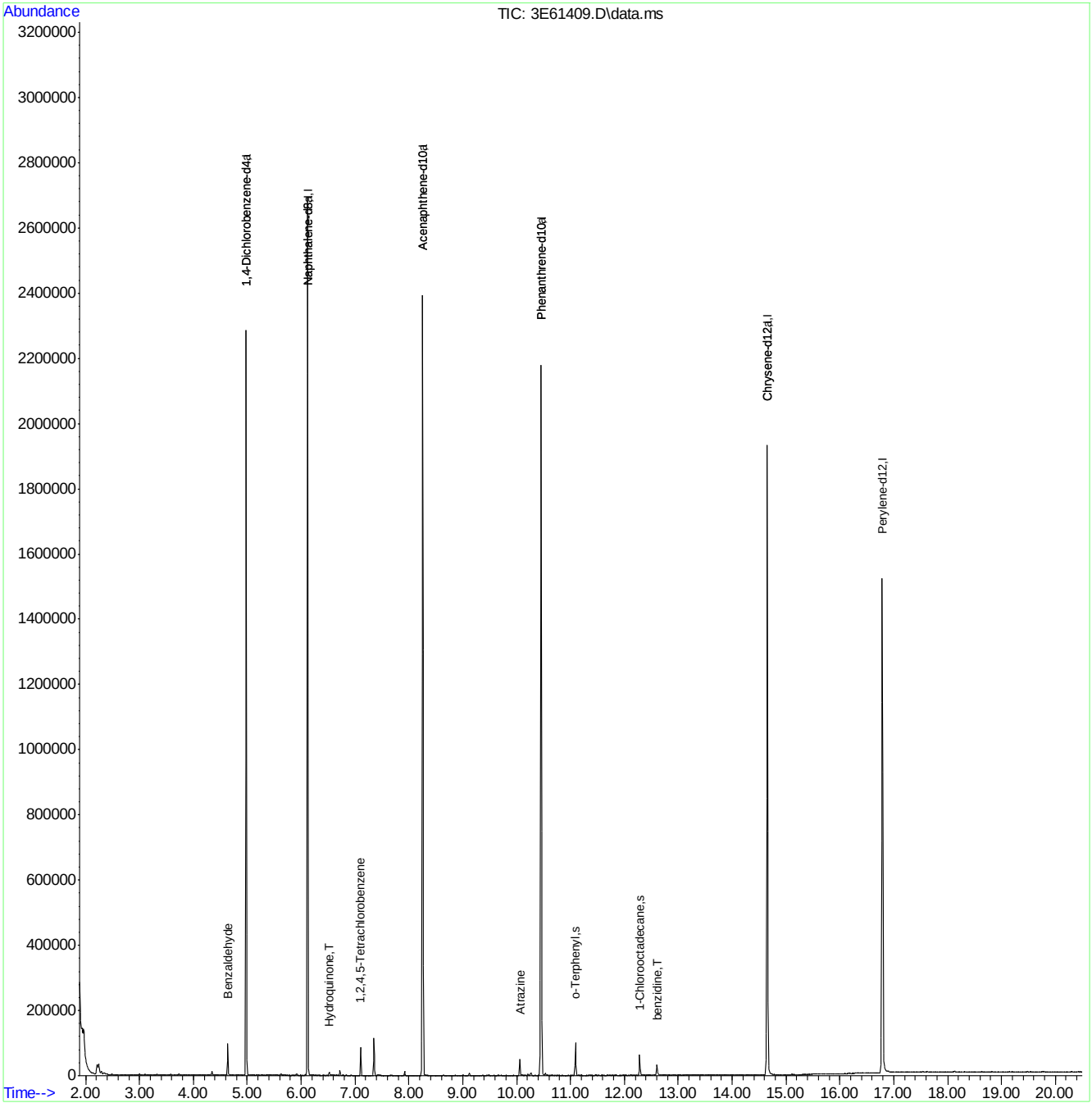
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	313078	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1175873	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	633460	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	945356	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	821855	40.00	ppb	0.00
92) Perylene-d12	16.788	264	717346	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	313078	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	633460	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	945356	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	821855	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1175873	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	0d	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%		
108) o-Terphenyl	11.092	230	21622	1.61	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.22%		
109) 1-Chlorooctadecane	12.284	57	9546	1.12	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.24%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	15835	2.12	ppb	93
105) 1,2,4,5-Tetrachloroben...	7.107	216	14845	1.83	ppb	98
107) Atrazine	10.059	215	3278	1.16	ppb	90
111) benzidine	12.605	184	17355	1.61	ppb	96
113) Hydroquinone	6.519	110	6726	0.69	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61409.D
Acq On : 5 Jun 2014 12:37 am
Operator : olgaa
Sample : ic2647-2
Misc : op74977,e3e2647,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 05 16:12:03 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61410.D
Acq On : 5 Jun 2014 1:04 am
Operator : olgaa
Sample : ic2647-1
Misc : op74977,e3e2647,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 05 16:12:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration

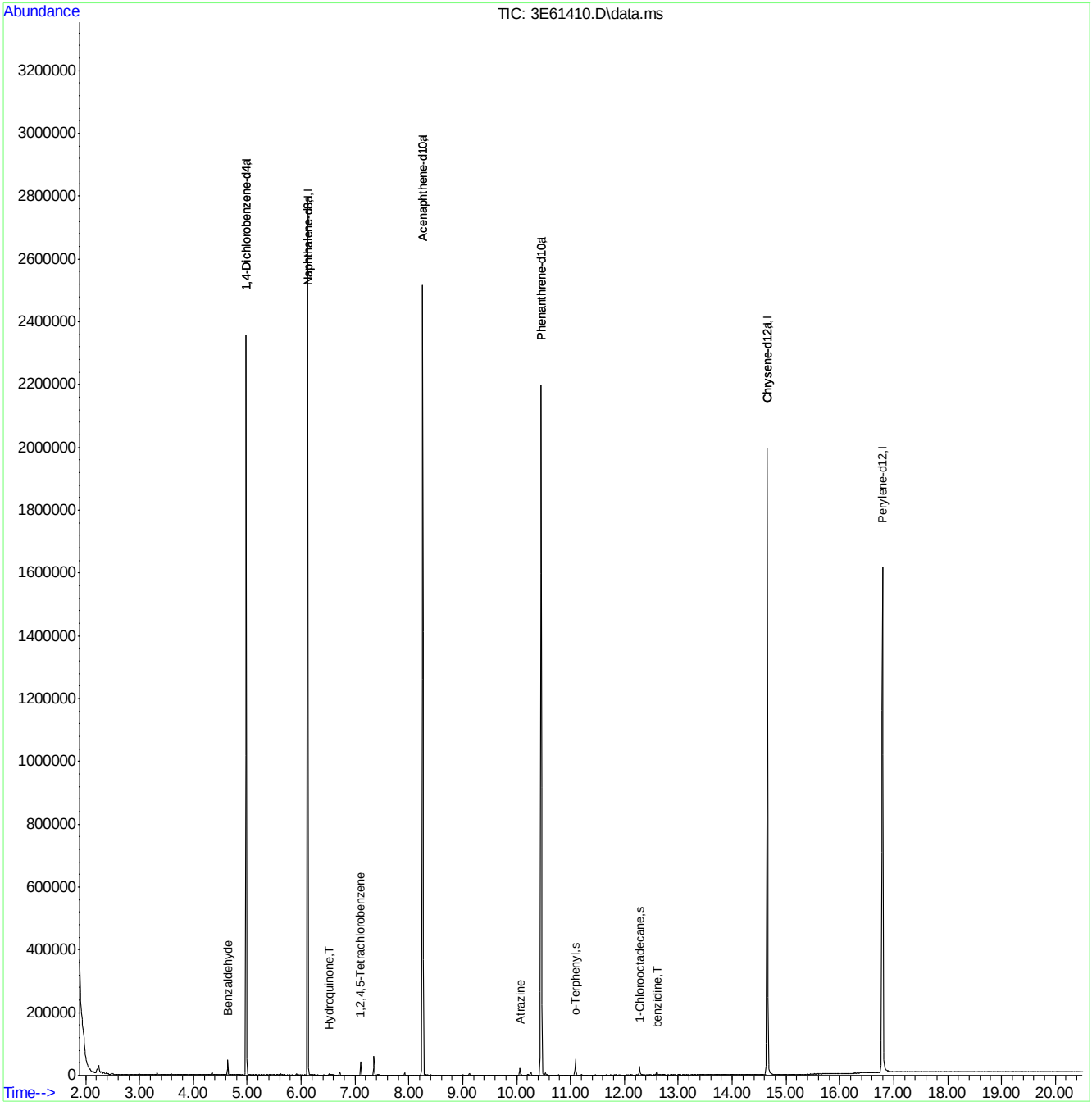
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	323735	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1219950	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	663987	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	980603	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	858495	40.00	ppb	0.00
92) Perylene-d12	16.793	264	758954	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	323735	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	663987	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	980603	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	858495	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1219950	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	0d	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%		
108) o-Terphenyl	11.092	230	11070	0.79	ppb	-0.01
Spiked Amount 50.000			Recovery =	1.58%		
109) 1-Chlorooctadecane	12.284	57	4156	0.47	ppb	-0.01
Spiked Amount 50.000			Recovery =	0.94%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	7952	1.03	ppb	87
105) 1,2,4,5-Tetrachloroben...	7.107	216	7721	0.91	ppb	98
107) Atrazine	10.059	215	1420	0.48	ppb	95
111) benzidine	12.605	184	6334	0.56	ppb	96
113) Hydroquinone	6.519	110	2496	0.25	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61410.D
Acq On : 5 Jun 2014 1:04 am
Operator : olgaa
Sample : ic2647-1
Misc : op74977,e3e2647,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 05 16:12:46 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:04:00 2014
QLast Update : Thu Jun 05 16:04:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416a.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 10:00:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	352694	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1306604	40.00	ppb	0.00
47) Acenaphthene-d10	8.257	164	740023	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	1125858	40.00	ppb	0.00
83) Chrysene-d12	14.659	240	1003193	40.00	ppb	0.00
92) Perylene-d12	16.794	264	900656	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	352694	40.00	ppb	0.00
104) Acenaphthene-d10a	8.257	164	740023	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	1125858	40.00	ppb	0.00
110) Chrysene-d12a	14.659	240	1003193	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1306604	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%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

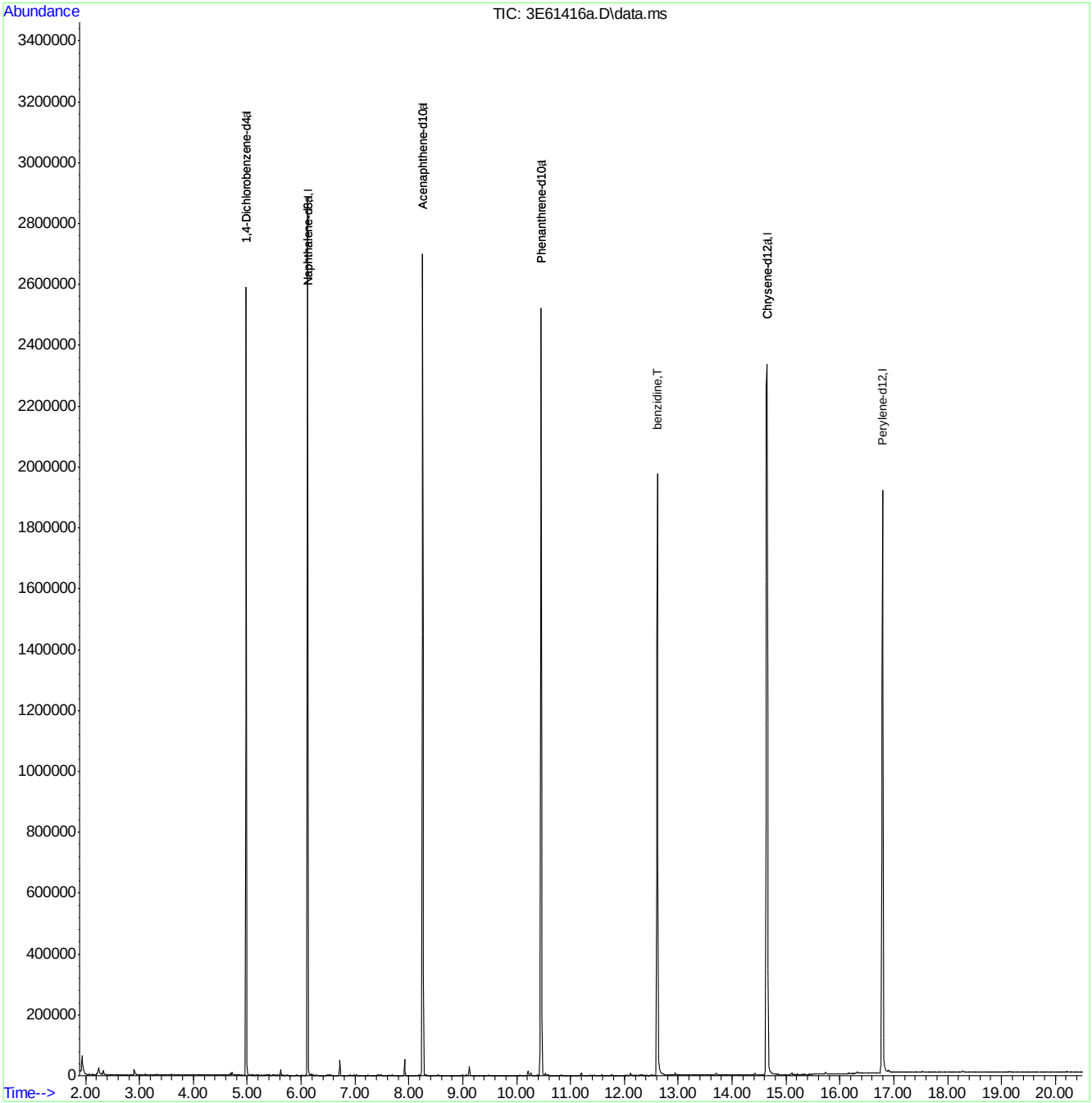
Target Compounds						Qvalue
111) benzidine	12.611	184	958760	51.98	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61416a.D
Acq On : 5 Jun 2014 3:49 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 06 10:00:34 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61417.D
Acq On : 5 Jun 2014 4:16 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 06 10:01:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

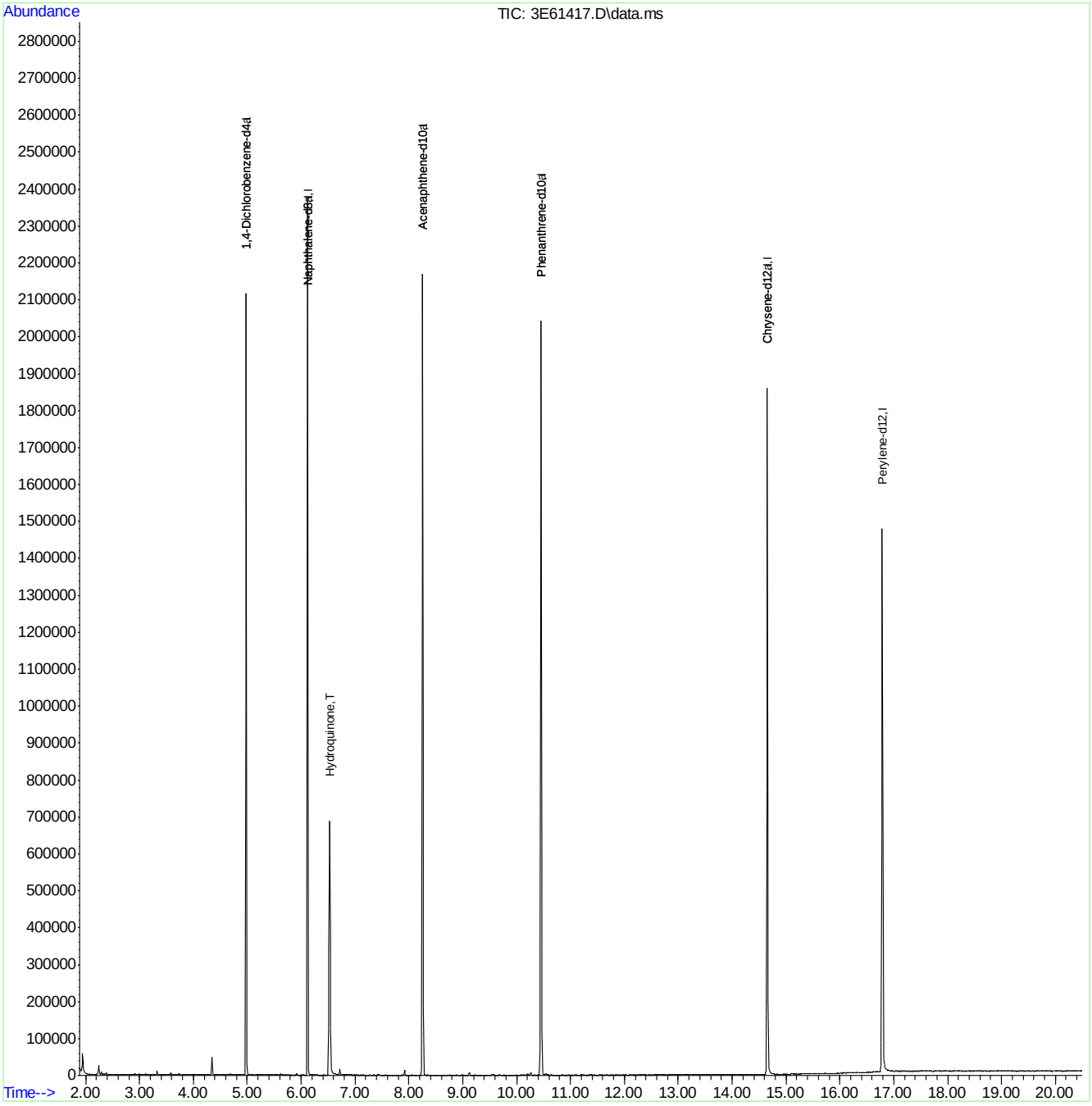
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	285655	40.00	ppb	0.00
24) Naphthalene-d8	6.123	136	1070485	40.00	ppb	0.00
47) Acenaphthene-d10	8.252	164	587758	40.00	ppb	0.00
69) Phenanthrene-d10	10.455	188	898387	40.00	ppb	0.00
83) Chrysene-d12	14.654	240	784560	40.00	ppb	0.00
92) Perylene-d12	16.794	264	687675	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.978	152	285655	40.00	ppb	0.00
104) Acenaphthene-d10a	8.252	164	587758	40.00	ppb	0.00
106) Phenanthrene-d10a	10.455	188	898387	40.00	ppb	0.00
110) Chrysene-d12a	14.654	240	784560	40.00	ppb	0.00
112) Naphthalene-d8a	6.123	136	1070485	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%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) Hydroquinone	6.529	110	448704	55.37	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2646\
Data File : 3E61417.D
Acq On : 5 Jun 2014 4:16 am
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2647,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 06 10:01:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration

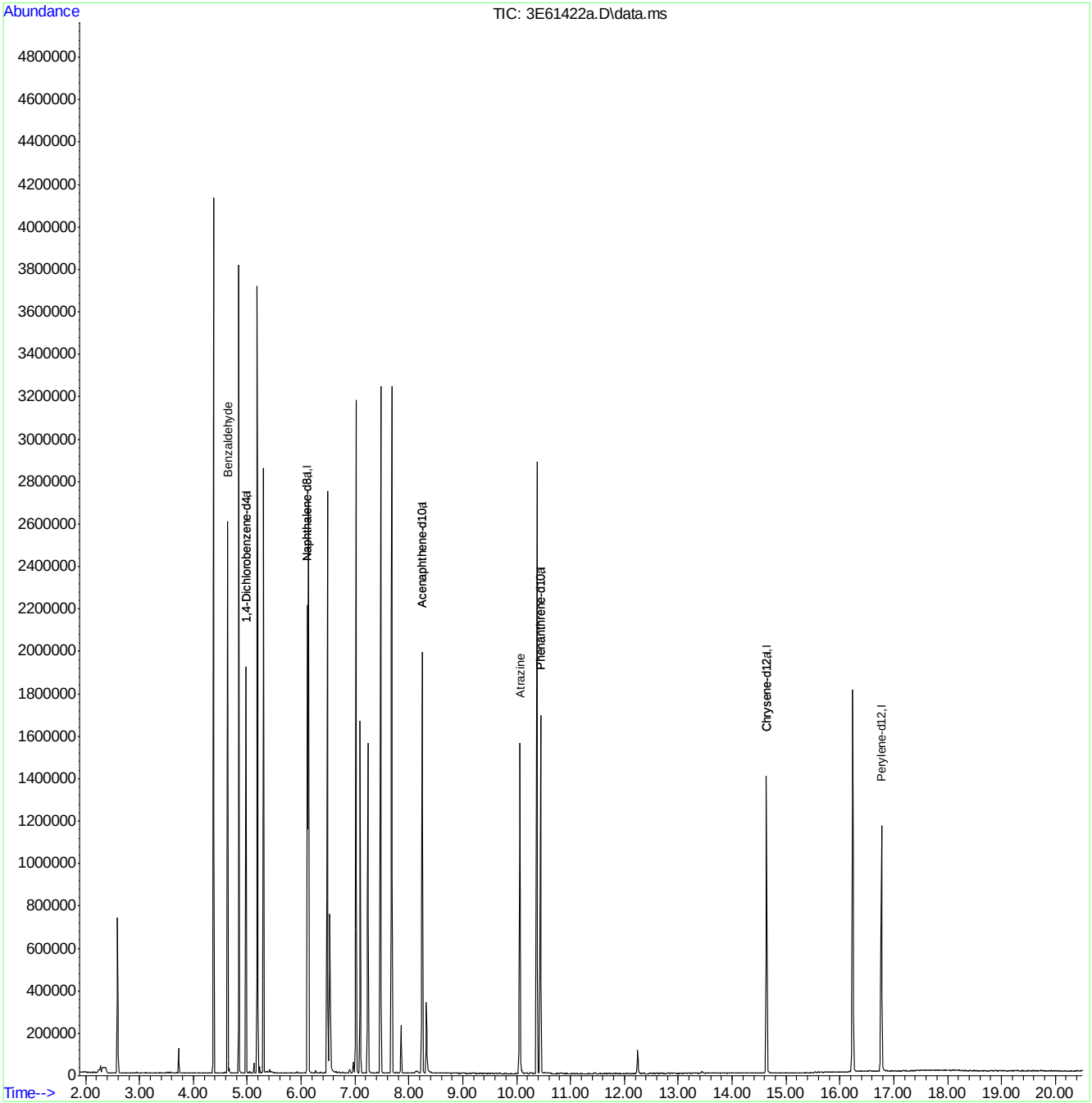
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.978	152	277333	40.00	ppb	0.00
24) Naphthalene-d8	6.118	136	1198958	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	509389	40.00	ppb	-0.01
69) Phenanthrene-d10	10.445	188	724767	40.00	ppb	-0.01
83) Chrysene-d12	14.638	240	601956	40.00	ppb	-0.02
92) Perylene-d12	16.772	264	508328	40.00	ppb	-0.02
102) 1,4-Dichlorobenzene-d4a	4.978	152	277333	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	509389	40.00	ppb	-0.01
106) Phenanthrene-d10a	10.445	188	724767	40.00	ppb	-0.01
110) Chrysene-d12a	14.638	240	601956	40.00	ppb	-0.02
112) Naphthalene-d8a	6.118	136	1198958	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	0d	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%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.636	105	457333	61.72	ppb	96
107) Atrazine	10.065	215	124551	65.86	ppb	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2648\
Data File : 3E61422a.D
Acq On : 5 Jun 2014 1:05 pm
Operator : olgaa
Sample : icv2647-50
Misc : op74977,e3e2648,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 10:23:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2646.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jun 05 16:24:26 2014
QLast Update : Thu Jun 05 16:24:26 2014
Response via : Initial Calibration



M3E2646.M Fri Jun 06 10:24:22 2014 MS3E Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	399159	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1467854	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	833729	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1286105	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	1204700	40.00	ppb	0.00
92) Perylene-d12	16.387	264	1007471	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	399159	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	833729	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1286105	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	1204700	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1467854	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	13862	1.13	ppb	0.00
Spiked Amount 50.000			Recovery =	2.26%		
8) Phenol-d5	4.470	99	15956	1.04	ppb	0.00
Spiked Amount 50.000			Recovery =	2.08%		
25) Nitrobenzene-d5	5.160	82	13793	1.12	ppb	0.00
Spiked Amount 50.000			Recovery =	2.24%		
51) 2-Fluorobiphenyl	7.000	172	29225	1.09	ppb	0.00
Spiked Amount 50.000			Recovery =	2.18%		
73) 2,4,6-Tribromophenol	9.022	330	2705	0.98	ppb	0.00
Spiked Amount 50.000			Recovery =	1.96%		
85) Terphenyl-d14	12.611	244	26815	1.02	ppb	0.00
Spiked Amount 50.000			Recovery =	2.04%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.277	88	5316	1.17	ppb	89
3) Pyridine	2.657	79	11959	1.08	ppb	89
4) N-Nitrosodimethylamine	2.593	74	7318	1.14	ppb	78
6) Indene	4.914	116	27268	1.15	ppb	95
7) Cumene	4.112	105	36849	1.14	ppb	97
9) Phenol	4.476	94	20135	1.20	ppb	85
10) Aniline	4.470	93	20063	1.02	ppb	86
11) bis(2-Chloroethyl)ether	4.513	93	11971	1.07	ppb	93
12) 2-Chlorophenol	4.566	128	16192	1.11	ppb	93
13) Decane	4.582	43	12497	1.35	ppb	98
14) 1,3-Dichlorobenzene	4.668	146	18479	1.15	ppb	81
15) 1,4-Dichlorobenzene	4.727	146	17445	1.07	ppb	89
16) Benzyl alcohol	4.829	108	9438	1.06	ppb	91
17) 1,2-Dichlorobenzene	4.845	146	17197	1.14	ppb	97
18) Acetophenone	5.032	105	21263	1.14	ppb	98
19) 2-Methylphenol	4.925	108	11752	0.96	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.919	121	5918	1.23	ppb	91
21) 3&4-Methylphenol	5.048	108	11841	0.92	ppb	84
22) n-Nitroso-di-n-propyla...	5.026	70	9395	1.13	ppb	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25moFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.112	201	5361	1.09	ppb		85
26) Nitrobenzene	5.176	77	14036	1.11	ppb		92
27) Quinoline	6.176	129	30023	1.11	ppb		96
28) Isophorone	5.374	82	25299	1.17	ppb		97
29) 2-Nitrophenol	5.454	139	8500	1.09	ppb		76
30) 2,4-Dimethylphenol	5.492	107	10696	0.85	ppb		90
31) Benzoic acid	5.583	105	8489	0.82	ppb		84
32) bis(2-Chloroethoxy)met...	5.561	93	13602	1.11	ppb		98
33) 2,4-Dichlorophenol	5.690	162	11758	1.09	ppb		100
34) 2,6-Dichlorophenol	5.893	162	11844	1.10	ppb		97
35) 1,3,5-Trichlorobenzene	5.460	180	14463	1.22	ppb		98
36) 1,2,4-Trichlorobenzene	5.754	180	12416	1.11	ppb		91
37) 1,2,3-Trichlorobenzene	5.973	180	12154	1.09	ppb		99
38) Naphthalene	5.823	128	46651	1.20	ppb		97
39) 4-Chloroaniline	5.888	127	18051	1.06	ppb		99
40) 2,3-Dichloroaniline	6.904	161	14786	1.10	ppb		96
41) Caprolactam	6.235	55	4058	1.02	ppb		93
42) Hexachlorobutadiene	5.946	225	6477	1.16	ppb		93
43) 4-Chloro-3-methylphenol	6.417	107	13458	1.21	ppb	#	95
44) 2-Methylnaphthalene	6.561	141	25928	1.11	ppb		95
45) 1-Methylnaphthalene	6.674	141	28158	1.19	ppb		99
46) Dimethylnaphthalene	7.326	156	26603	1.12	ppb		96
48) Hexachlorocyclopentadiene	6.749	237	1772	0.44	ppb		96
49) 2,4,6-Trichlorophenol	6.914	196	8172	1.15	ppb		85
50) 2,4,5-Trichlorophenol	6.973	196	8075	1.05	ppb		93
52) 2-Chloronaphthalene	7.150	162	26994	1.12	ppb		98
53) Biphenyl	7.123	154	36933	1.13	ppb		98
54) 2-Nitroaniline	7.294	65	7828	1.23	ppb		91
55) Dimethylphthalate	7.530	163	29060	1.09	ppb		95
56) Acenaphthylene	7.685	152	43408	1.08	ppb		98
57) 2,6-Dinitrotoluene	7.610	165	7575	1.12	ppb		94
58) 3-Nitroaniline	7.851	138	7731	1.01	ppb		81
59) Acenaphthene	7.925	153	29626	1.18	ppb		83
60) 2,4-Dinitrophenol	8.027	184	2326	0.60	ppb		85
61) 4-Nitrophenol	8.177	109	3538	1.08	ppb	#	31
62) Dibenzofuran	8.166	168	38116	1.14	ppb		92
63) 2,4-Dinitrotoluene	8.187	165	10050	1.10	ppb		96
64) 2,3,4,6-Tetrachlorophenol	8.369	232	5801	1.03	ppb		84
65) Diethylphthalate	8.524	149	31123	1.18	ppb		96
66) Fluorene	8.658	166	30902	1.12	ppb		95
67) 4-Chlorophenyl-phenyle...	8.669	204	13040	1.10	ppb		94
68) 4-Nitroaniline	8.722	138	7599	0.98	ppb		91
70) 4,6-Dinitro-2-methylph...	8.792	198	2607	0.52	ppb		70
71) n-Nitrosodiphenylamine	8.851	169	21304	1.12	ppb		99
72) 1,2-Diphenylhydrazine	8.899	77	24941	1.03	ppb		89
74) 4-Bromophenyl-phenylether	9.391	248	7023	1.11	ppb		94
75) Hexachlorobenzene	9.493	284	7306	1.15	ppb		93
76) Pentachlorophenol	9.813	266	6686	1.69	ppb		81
77) Phenanthrene	10.097	178	43061	1.14	ppb		99
78) Anthracene	10.177	178	44188	1.13	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

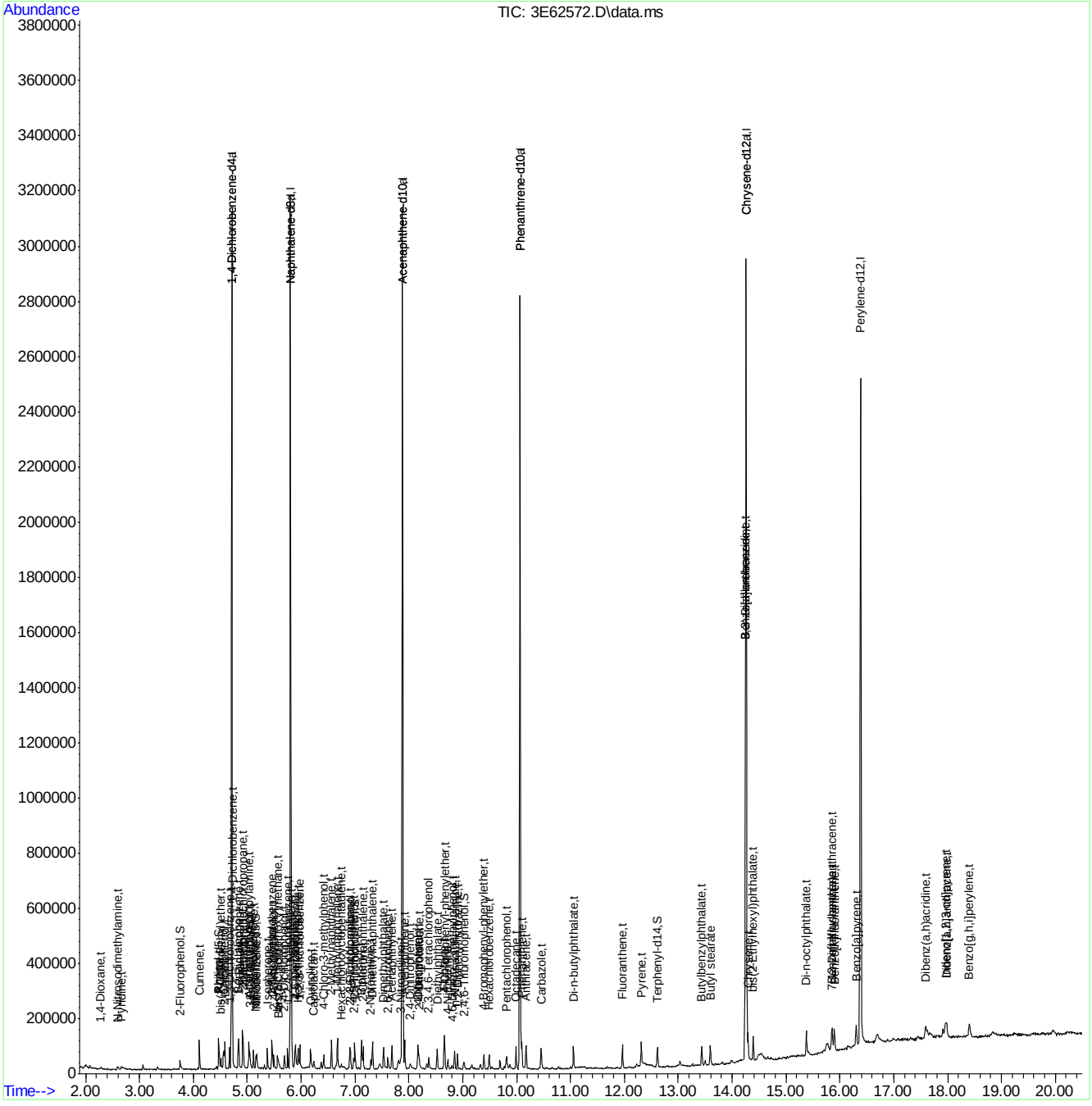
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	42339	1.15	ppb	96
80) Di-n-butylphthalate	11.060	149	47096	1.05	ppb	99
81) Fluoranthene	11.964	202	43929	1.16	ppb	95
82) Octadecane	9.990	57	14044	1.12	ppb	91
84) Pyrene	12.317	202	44051	1.07	ppb	97
86) Butylbenzylphthalate	13.434	149	21685	1.06	ppb	94
87) Butyl stearate	13.595	56	9546	0.73	ppb	90
88) Benzo[a]anthracene	14.242	228	43793	1.23	ppb	96
89) 3,3'-Dichlorobenzidine	14.242	252	12843	0.96	ppb	70
90) Chrysene	14.296	228	38746	1.19	ppb	91
91) bis(2-Ethylhexyl)phtha...	14.392	149	31270	1.07	ppb	99
93) Di-n-octylphthalate	15.376	149	52041	1.11	ppb	96
94) Benzo[b]fluoranthene	15.857	252	38348	1.14	ppb	95
95) Benzo[k]fluoranthene	15.895	252	34935	1.12	ppb	97
96) Benzo[a]pyrene	16.307	252	32828	1.13	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.959	276	38286	1.13	ppb	91
98) Dibenz(a,h)acridine	17.590	279	27926	1.10	ppb	99
99) Dibenz[a,h]anthracene	17.986	278	33406	1.17	ppb	92
100) 7,12-Dimethylbenz(a)an...	15.841	256	7836	0.46	ppb	90
101) Benzo[g,h,i]perylene	18.403	276	32390	1.21	ppb	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62572.D
Acq On : 26 Jun 2014 8:07 pm
Operator : andrews1
Sample : ic2680-1
Misc : op75684,e3e2680,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 08:50:57 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	342411	40.00	ppb		0.00
24) Naphthalene-d8	5.807	136	1317039	40.00	ppb		0.00
47) Acenaphthene-d10	7.883	164	738785	40.00	ppb		0.00
69) Phenanthrene-d10	10.065	188	1142137	40.00	ppb		0.00
83) Chrysene-d12	14.258	240	1056855	40.00	ppb		0.00
92) Perylene-d12	16.382	264	901647	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	342411	40.00	ppb		0.00
104) Acenaphthene-d10a	7.883	164	738785	40.00	ppb		0.00
106) Phenanthrene-d10a	10.065	188	1142137	40.00	ppb		0.00
110) Chrysene-d12a	14.258	240	1056855	40.00	ppb		0.00
112) Naphthalene-d8a	5.807	136	1317039	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.759	112	22268	2.00	ppb		0.01
Spiked Amount 50.000			Recovery =	4.00%			
8) Phenol-d5	4.470	99	27448	1.98	ppb		0.00
Spiked Amount 50.000			Recovery =	3.96%			
25) Nitrobenzene-d5	5.160	82	25060	2.11	ppb		0.00
Spiked Amount 50.000			Recovery =	4.22%			
51) 2-Fluorobiphenyl	7.000	172	52346	2.11	ppb		0.00
Spiked Amount 50.000			Recovery =	4.22%			
73) 2,4,6-Tribromophenol	9.022	330	4830	1.90	ppb		0.00
Spiked Amount 50.000			Recovery =	3.80%			
85) Terphenyl-d14	12.611	244	46701	1.98	ppb		0.00
Spiked Amount 50.000			Recovery =	3.96%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.277	88	8087	1.94	ppb		94
3) Pyridine	2.657	79	19209	1.88	ppb		86
4) N-Nitrosodimethylamine	2.593	74	10687	1.86	ppb		83
6) Indene	4.914	116	45642	2.06	ppb		98
7) Cumene	4.117	105	64255	2.15	ppb		96
9) Phenol	4.475	94	32803	2.08	ppb		86
10) Aniline	4.475	93	35893	2.18	ppb		97
11) bis(2-Chloroethyl)ether	4.513	93	22243	2.18	ppb		98
12) 2-Chlorophenol	4.566	128	28437	2.14	ppb		94
13) Decane	4.582	43	17799	2.00	ppb		98
14) 1,3-Dichlorobenzene	4.673	146	31561	2.12	ppb		98
15) 1,4-Dichlorobenzene	4.727	146	31324	2.10	ppb		98
16) Benzyl alcohol	4.834	108	17515	2.14	ppb		95
17) 1,2-Dichlorobenzene	4.850	146	29904	2.12	ppb		98
18) Acetophenone	5.032	105	35876	2.07	ppb		99
19) 2-Methylphenol	4.925	108	22667	2.11	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.925	121	9160	2.03	ppb	#	78
21) 3&4-Methylphenol	5.048	108	22296	1.95	ppb		97
22) n-Nitroso-di-n-propyla...	5.026	70	15015	1.99	ppb		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	9350	2.05	ppb		98
26) Nitrobenzene	5.176	77	26197	2.14	ppb		96
27) Quinoline	6.171	129	52673	2.01	ppb		97
28) Isophorone	5.374	82	42456	2.03	ppb		97
29) 2-Nitrophenol	5.454	139	15068	2.00	ppb		89
30) 2,4-Dimethylphenol	5.497	107	20124	1.85	ppb		97
31) Benzoic acid	5.583	105	16683	1.83	ppb		81
32) bis(2-Chloroethoxy)met...	5.561	93	23831	2.02	ppb		92
33) 2,4-Dichlorophenol	5.690	162	21342	2.06	ppb		94
34) 2,6-Dichlorophenol	5.898	162	21291	2.04	ppb		92
35) 1,3,5-Trichlorobenzene	5.460	180	24315	2.06	ppb		98
36) 1,2,4-Trichlorobenzene	5.754	180	22559	2.08	ppb		94
37) 1,2,3-Trichlorobenzene	5.973	180	21760	2.03	ppb		95
38) Naphthalene	5.823	128	80211	2.11	ppb		99
39) 4-Chloroaniline	5.888	127	31173	1.98	ppb		96
40) 2,3-Dichloroaniline	6.904	161	25567	1.98	ppb		95
41) Caprolactam	6.235	55	7045	1.87	ppb		85
42) Hexachlorobutadiene	5.946	225	12316	2.19	ppb		95
43) 4-Chloro-3-methylphenol	6.417	107	22014	2.01	ppb	#	93
44) 2-Methylnaphthalene	6.561	141	45499	2.02	ppb		100
45) 1-Methylnaphthalene	6.674	141	46847	2.03	ppb		96
46) Dimethylnaphthalene	7.326	156	46193	2.02	ppb		99
48) Hexachlorocyclopentadiene	6.749	237	3462	10.21	ppb		96
49) 2,4,6-Trichlorophenol	6.914	196	12678	1.89	ppb		99
50) 2,4,5-Trichlorophenol	6.973	196	13154	1.88	ppb		99
52) 2-Chloronaphthalene	7.150	162	47423	2.05	ppb		96
53) Biphenyl	7.123	154	64671	2.07	ppb		96
54) 2-Nitroaniline	7.294	65	13039	2.04	ppb		96
55) Dimethylphthalate	7.530	163	50527	2.02	ppb		99
56) Acenaphthylene	7.685	152	75442	2.02	ppb		98
57) 2,6-Dinitrotoluene	7.610	165	12539	1.97	ppb		89
58) 3-Nitroaniline	7.850	138	13242	1.87	ppb		84
59) Acenaphthene	7.925	153	47675	2.00	ppb		96
60) 2,4-Dinitrophenol	8.027	184	6268	1.88	ppb		84
61) 4-Nitrophenol	8.171	109	5667	1.87	ppb	#	1
62) Dibenzofuran	8.166	168	66565	2.07	ppb		94
63) 2,4-Dinitrotoluene	8.187	165	16188	1.92	ppb		88
64) 2,3,4,6-Tetrachlorophenol	8.369	232	9919	1.89	ppb		96
65) Diethylphthalate	8.524	149	51530	2.05	ppb		95
66) Fluorene	8.658	166	51432	1.97	ppb		94
67) 4-Chlorophenyl-phenyle...	8.669	204	22309	1.98	ppb		97
68) 4-Nitroaniline	8.722	138	13110	1.87	ppb		91
70) 4,6-Dinitro-2-methylph...	8.797	198	4889	1.12	ppb		77
71) n-Nitrosodiphenylamine	8.851	169	36749	2.06	ppb		95
72) 1,2-Diphenylhydrazine	8.899	77	44570	1.97	ppb		98
74) 4-Bromophenyl-phenylether	9.391	248	11754	1.98	ppb		99
75) Hexachlorobenzene	9.492	284	12697	2.06	ppb		92
76) Pentachlorophenol	9.819	266	11806	3.46	ppb		91
77) Phenanthrene	10.097	178	74790	2.08	ppb		98
78) Anthracene	10.177	178	73357	2.01	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	70281	2.00	ppb	99
80) Di-n-butylphthalate	11.054	149	80686	1.98	ppb	99
81) Fluoranthene	11.964	202	70990	1.97	ppb	97
82) Octadecane	9.990	57	23095	1.94	ppb	94
84) Pyrene	12.317	202	75416	2.01	ppb	98
86) Butylbenzylphthalate	13.434	149	34851	1.92	ppb	93
87) Butyl stearate	13.595	56	16112	1.79	ppb	92
88) Benzo[a]anthracene	14.242	228	67771	2.03	ppb	96
89) 3,3'-Dichlorobenzidine	14.237	252	21694	1.86	ppb	93
90) Chrysene	14.296	228	58922	1.95	ppb	96
91) bis(2-Ethylhexyl)phtha...	14.392	149	49269	1.91	ppb	97
93) Di-n-octylphthalate	15.376	149	84037	1.91	ppb	97
94) Benzo[b]fluoranthene	15.857	252	60469	1.89	ppb	96
95) Benzo[k]fluoranthene	15.889	252	62575	2.05	ppb	96
96) Benzo[a]pyrene	16.301	252	54777	1.97	ppb	94
97) Indeno[1,2,3-cd]pyrene	17.959	276	63038	1.92	ppb	89
98) Dibenz(a,h)acridine	17.585	279	48246	1.96	ppb	99
99) Dibenz[a,h]anthracene	17.981	278	53523	1.95	ppb	96
100) 7,12-Dimethylbenz(a)an...	15.841	256	13248	3.20	ppb	91
101) Benzo[g,h,i]perylene	18.403	276	51282	1.95	ppb	96

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

9.6.13

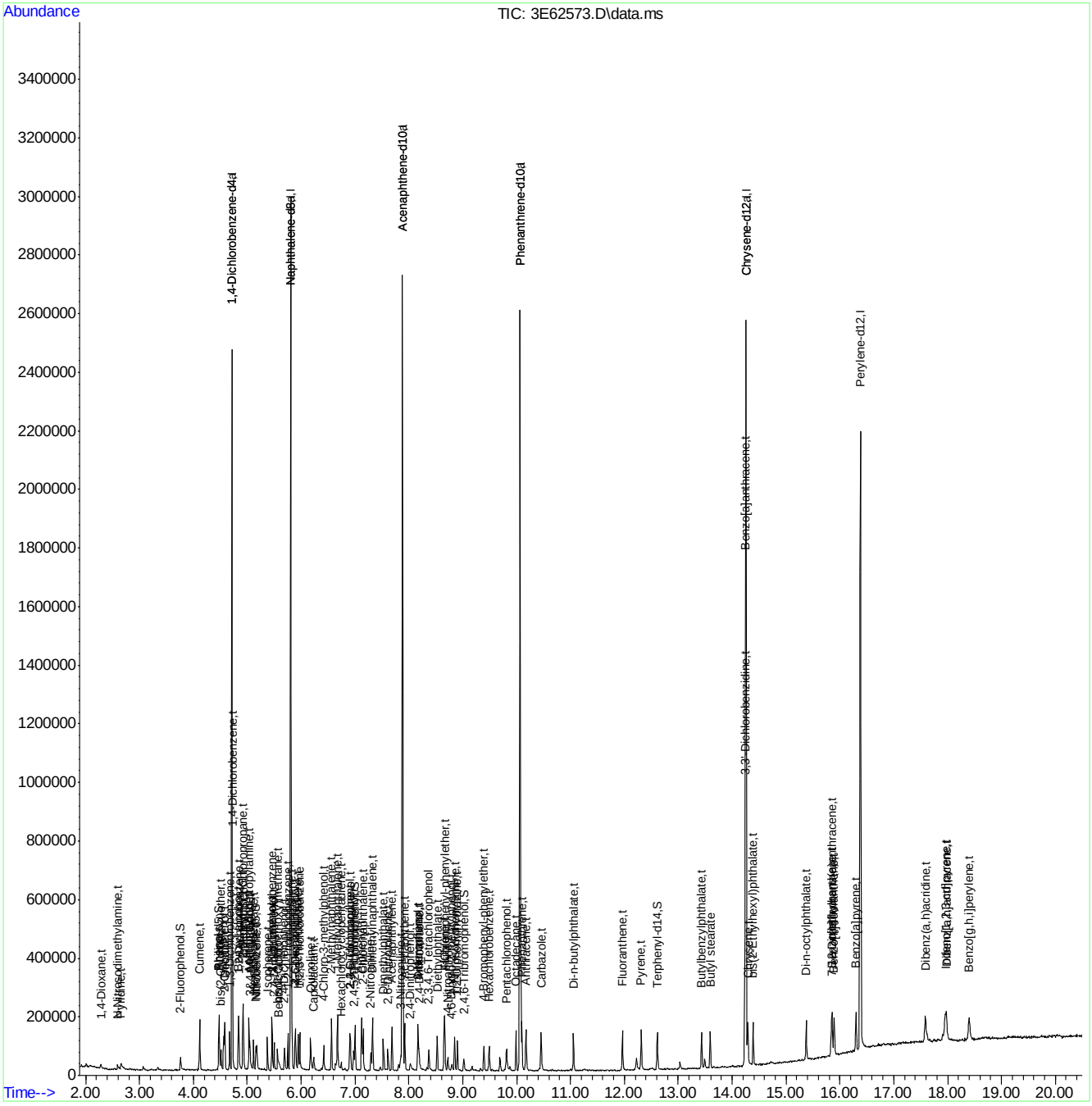
9

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62573.D
Acq On : 26 Jun 2014 8:33 pm
Operator : andrews1
Sample : ic2680-2
Misc : op75684,e3e2680,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 27 13:52:51 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	310156	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1171356	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	661697	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1028050	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	949191	40.00	ppb	0.00
92) Perylene-d12	16.382	264	803357	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	310156	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	661697	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1028050	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	949191	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1171356	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	52251	5.49	ppb	0.00
Spiked Amount 50.000			Recovery = 10.98%			
8) Phenol-d5	4.465	99	66783	5.61	ppb	0.00
Spiked Amount 50.000			Recovery = 11.22%			
25) Nitrobenzene-d5	5.160	82	54920	5.61	ppb	0.00
Spiked Amount 50.000			Recovery = 11.22%			
51) 2-Fluorobiphenyl	7.000	172	116071	5.48	ppb	0.00
Spiked Amount 50.000			Recovery = 10.96%			
73) 2,4,6-Tribromophenol	9.022	330	12342	5.60	ppb	0.00
Spiked Amount 50.000			Recovery = 11.20%			
85) Terphenyl-d14	12.611	244	111858	5.39	ppb	0.00
Spiked Amount 50.000			Recovery = 10.78%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.277	88	20659	5.83	ppb	96
3) Pyridine	2.636	79	51230	5.96	ppb	97
4) N-Nitrosodimethylamine	2.587	74	26702	5.35	ppb	91
6) Indene	4.914	116	106408	5.76	ppb	98
7) Cumene	4.117	105	145638	5.80	ppb	97
9) Phenol	4.476	94	77358	5.94	ppb	81
10) Aniline	4.470	93	79337	5.21	ppb	92
11) bis(2-Chloroethyl)ether	4.513	93	48258	5.56	ppb	99
12) 2-Chlorophenol	4.566	128	62637	5.54	ppb	94
13) Decane	4.583	43	44469	6.18	ppb	99
14) 1,3-Dichlorobenzene	4.673	146	71025	5.68	ppb	96
15) 1,4-Dichlorobenzene	4.727	146	73911	5.84	ppb	96
16) Benzyl alcohol	4.829	108	38864	5.60	ppb	92
17) 1,2-Dichlorobenzene	4.845	146	68777	5.87	ppb	98
18) Acetophenone	5.032	105	83548	5.75	ppb	98
19) 2-Methylphenol	4.925	108	51178	5.37	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.919	121	21649	5.80	ppb	91
21) 3&4-Methylphenol	5.048	108	56236	5.61	ppb	97
22) n-Nitroso-di-n-propyla...	5.026	70	36329	5.61	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25moFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	22107	5.77	ppb		97
26) Nitrobenzene	5.176	77	57815	5.75	ppb		99
27) Quinoline	6.171	129	126578	5.88	ppb		97
28) Isophorone	5.374	82	102619	5.96	ppb		98
29) 2-Nitrophenol	5.454	139	35188	5.66	ppb		87
30) 2,4-Dimethylphenol	5.492	107	49175	4.90	ppb		93
31) Benzoic acid	5.577	105	42509	5.12	ppb		85
32) bis(2-Chloroethoxy)met...	5.561	93	55515	5.68	ppb		97
33) 2,4-Dichlorophenol	5.690	162	47965	5.56	ppb		99
34) 2,6-Dichlorophenol	5.893	162	50011	5.83	ppb		94
35) 1,3,5-Trichlorobenzene	5.460	180	56098	5.93	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	51214	5.72	ppb		94
37) 1,2,3-Trichlorobenzene	5.973	180	51158	5.77	ppb		97
38) Naphthalene	5.823	128	182444	5.87	ppb		99
39) 4-Chloroaniline	5.888	127	75060	5.53	ppb		95
40) 2,3-Dichloroaniline	6.904	161	61572	5.73	ppb		98
41) Caprolactam	6.235	55	18124	5.72	ppb		95
42) Hexachlorobutadiene	5.946	225	26219	5.88	ppb		96
43) 4-Chloro-3-methylphenol	6.417	107	52041m	5.86	ppb		
44) 2-Methylnaphthalene	6.562	141	108291	5.82	ppb		96
45) 1-Methylnaphthalene	6.674	141	112260	5.95	ppb		99
46) Dimethylnaphthalene	7.326	156	107601	5.66	ppb		99
48) Hexachlorocyclopentadiene	6.749	237	15243	4.78	ppb		97
49) 2,4,6-Trichlorophenol	6.915	196	30804	5.48	ppb		92
50) 2,4,5-Trichlorophenol	6.973	196	31223	5.13	ppb		97
52) 2-Chloronaphthalene	7.150	162	112064	5.85	ppb		97
53) Biphenyl	7.123	154	149438	5.76	ppb		98
54) 2-Nitroaniline	7.294	65	29163	5.77	ppb		97
55) Dimethylphthalate	7.530	163	118332	5.59	ppb		98
56) Acenaphthylene	7.685	152	178078	5.60	ppb		99
57) 2,6-Dinitrotoluene	7.615	165	29086	5.43	ppb		98
58) 3-Nitroaniline	7.845	138	32551	5.35	ppb		96
59) Acenaphthene	7.920	153	114484	5.77	ppb		96
60) 2,4-Dinitrophenol	8.016	184	21485	6.96	ppb		95
61) 4-Nitrophenol	8.166	109	13511	5.19	ppb	#	1
62) Dibenzofuran	8.166	168	153062	5.77	ppb		92
63) 2,4-Dinitrotoluene	8.188	165	37381	5.17	ppb		97
64) 2,3,4,6-Tetrachlorophenol	8.369	232	24643	5.50	ppb		97
65) Diethylphthalate	8.524	149	120089	5.73	ppb		98
66) Fluorene	8.658	166	121940	5.55	ppb		100
67) 4-Chlorophenyl-phenyle...	8.669	204	54046	5.72	ppb		94
68) 4-Nitroaniline	8.717	138	31908	5.16	ppb		93
70) 4,6-Dinitro-2-methylph...	8.792	198	15715	3.93	ppb		78
71) n-Nitrosodiphenylamine	8.851	169	83674	5.50	ppb		98
72) 1,2-Diphenylhydrazine	8.899	77	109154	5.64	ppb		99
74) 4-Bromophenyl-phenylether	9.391	248	28029	5.55	ppb		96
75) Hexachlorobenzene	9.493	284	30003	5.91	ppb		96
76) Pentachlorophenol	9.813	266	29368	9.27	ppb		93
77) Phenanthrene	10.097	178	171319	5.67	ppb		99
78) Anthracene	10.177	178	173760	5.55	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

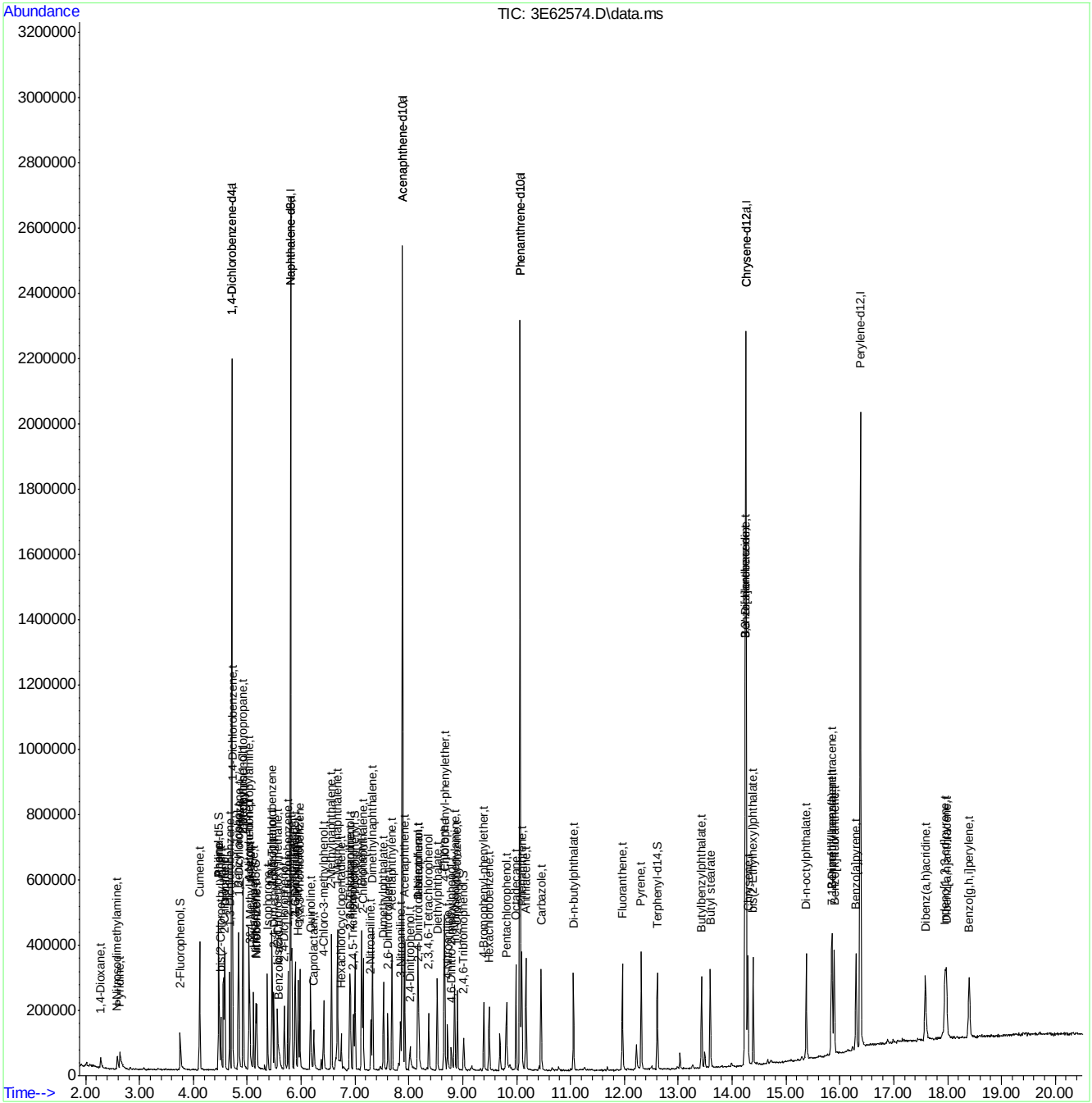
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	169652	5.74	ppb	99
80) Di-n-butylphthalate	11.054	149	190943	5.35	ppb	99
81) Fluoranthene	11.964	202	169073	5.57	ppb	98
82) Octadecane	9.990	57	57432	5.73	ppb	98
84) Pyrene	12.311	202	178994	5.54	ppb	98
86) Butylbenzylphthalate	13.435	149	84904	5.27	ppb	95
87) Butyl stearate	13.595	56	36817	3.60	ppb	99
88) Benzo[a]anthracene	14.237	228	155781	5.57	ppb	99
89) 3,3'-Dichlorobenzidine	14.237	252	53619	5.11	ppb	94
90) Chrysene	14.296	228	143867	5.59	ppb	97
91) bis(2-Ethylhexyl)phtha...	14.392	149	118370	5.15	ppb	98
93) Di-n-octylphthalate	15.376	149	202280	5.41	ppb	98
94) Benzo[b]fluoranthene	15.857	252	147099	5.50	ppb	96
95) Benzo[k]fluoranthene	15.895	252	143135	5.73	ppb	96
96) Benzo[a]pyrene	16.301	252	129585	5.59	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.954	276	155444	5.74	ppb	94
98) Dibenz(a,h)acridine	17.585	279	114278	5.63	ppb	97
99) Dibenz[a,h]anthracene	17.981	278	125936	5.55	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.841	256	41387	3.06	ppb	99
101) Benzo[g,h,i]perylene	18.398	276	123562	5.77	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

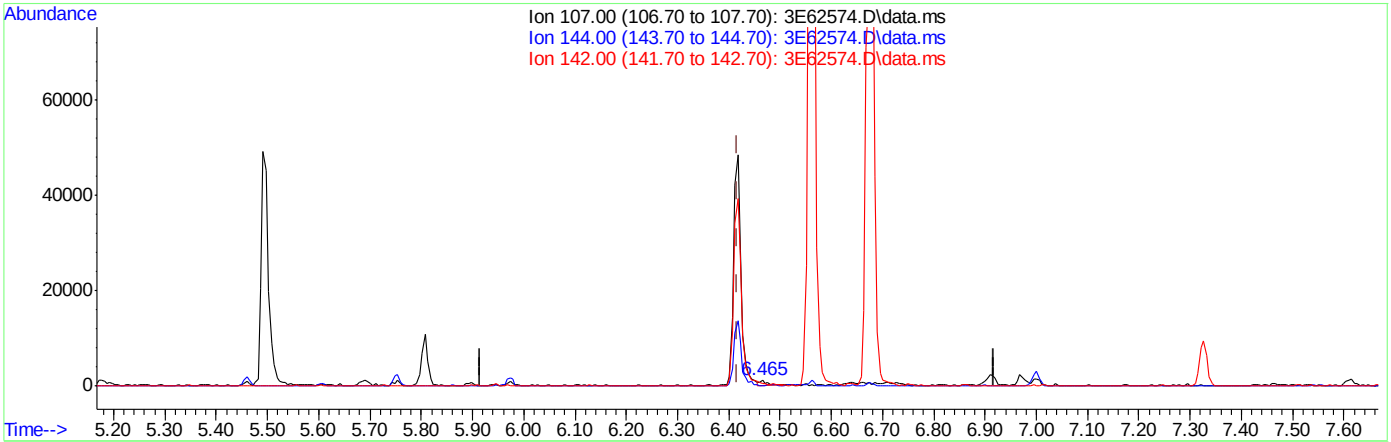
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62574.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 21:01	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

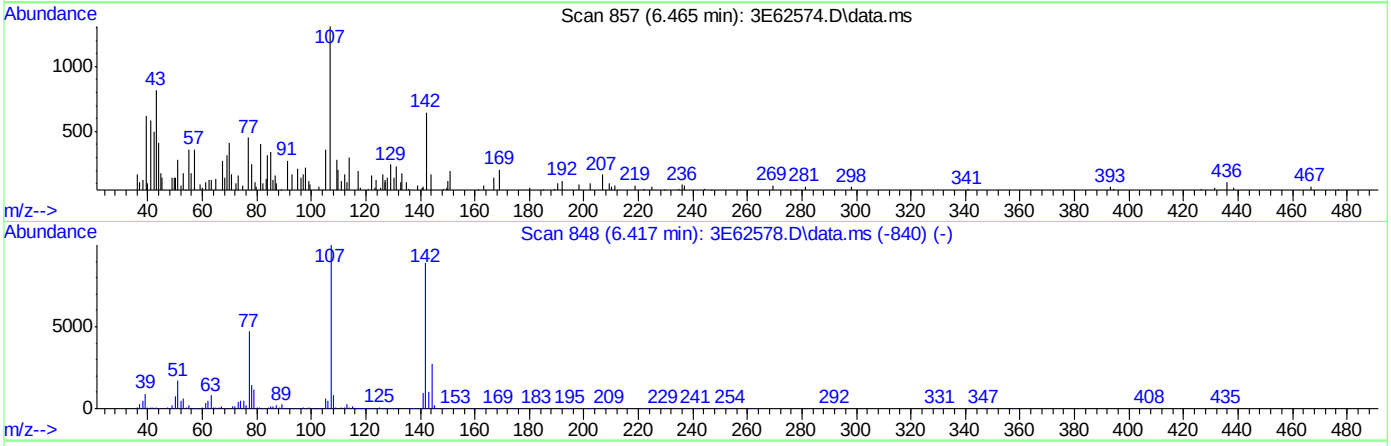
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:54:15 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration





TIC: 3E62574.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.465min (+0.048) 0.12ppb

response 1100

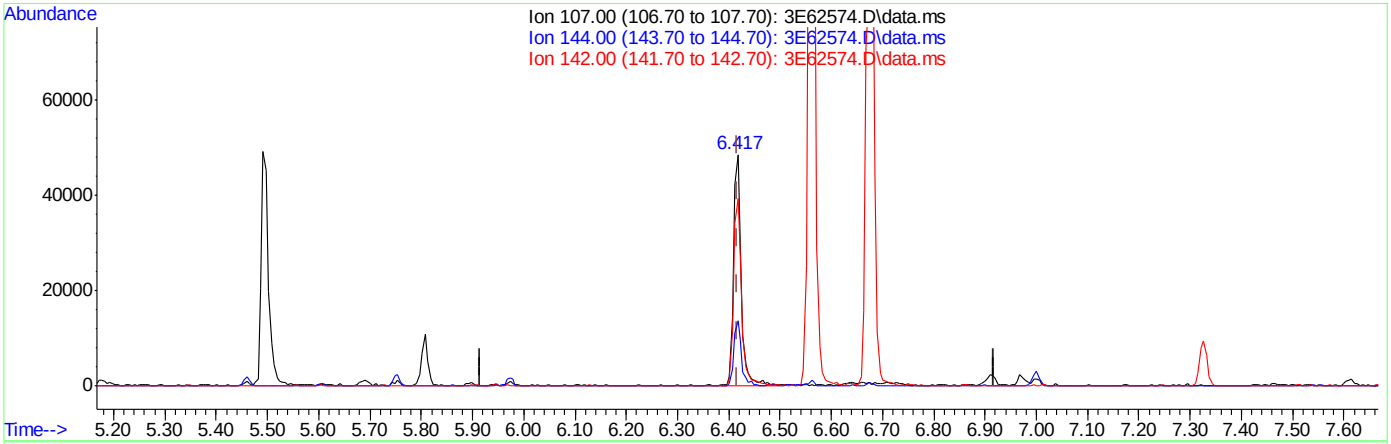
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107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

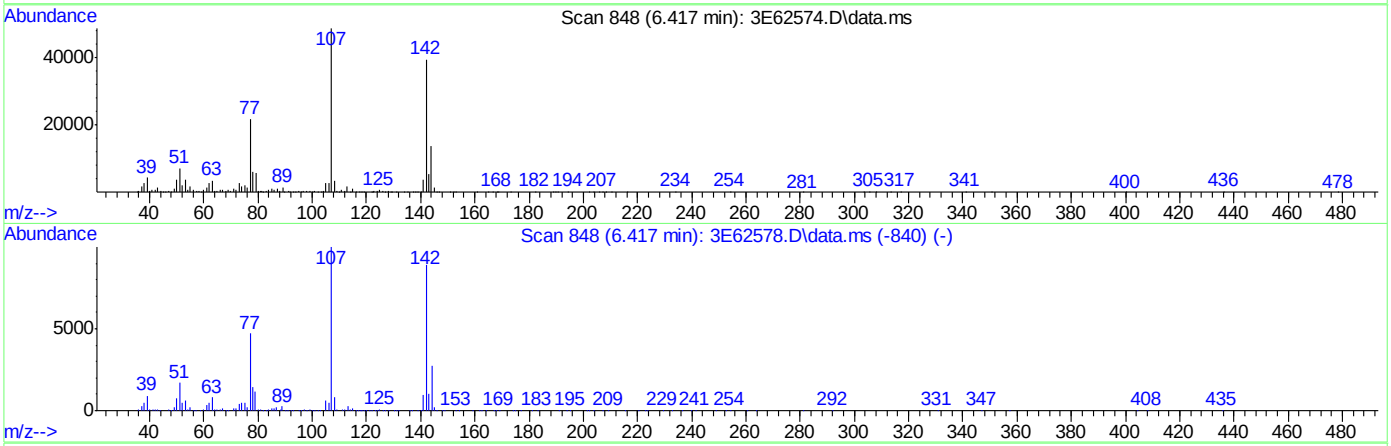
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62574.D
Acq On : 26 Jun 2014 9:01 pm
Operator : andrews1
Sample : ic2680-5
Misc : op75684,e3e2680,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 08:56:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration





TIC: 3E62574.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.417min (-0.000) 5.86ppb m

response 52041

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	28.09
142.00	0.00	80.95#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	335058	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1270657	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	701420	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1101501	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	1002933	40.00	ppb	0.00
92) Perylene-d12	16.382	264	874876	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	335058	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	701420	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1101501	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	1002933	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1270657	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	109653	10.67	ppb	0.00
Spiked Amount 50.000			Recovery = 21.34%			
8) Phenol-d5	4.465	99	140344	10.92	ppb	0.00
Spiked Amount 50.000			Recovery = 21.84%			
25) Nitrobenzene-d5	5.160	82	118835	11.19	ppb	0.00
Spiked Amount 50.000			Recovery = 22.38%			
51) 2-Fluorobiphenyl	7.000	172	238075	10.60	ppb	0.00
Spiked Amount 50.000			Recovery = 21.20%			
73) 2,4,6-Tribromophenol	9.022	330	24432	10.34	ppb	0.00
Spiked Amount 50.000			Recovery = 20.68%			
85) Terphenyl-d14	12.611	244	229601	10.47	ppb	0.00
Spiked Amount 50.000			Recovery = 20.94%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.272	88	40101	10.47	ppb	89
3) Pyridine	2.620	79	103717	11.16	ppb	94
4) N-Nitrosodimethylamine	2.577	74	58445	10.84	ppb	97
6) Indene	4.914	116	228787	11.47	ppb	96
7) Cumene	4.117	105	307441	11.32	ppb	99
9) Phenol	4.476	94	161246	11.46	ppb	88
10) Aniline	4.470	93	168108	10.21	ppb	98
11) bis(2-Chloroethyl)ether	4.513	93	102042	10.88	ppb	99
12) 2-Chlorophenol	4.566	128	135313	11.08	ppb	99
13) Decane	4.583	43	85833	11.04	ppb	95
14) 1,3-Dichlorobenzene	4.673	146	149636	11.07	ppb	99
15) 1,4-Dichlorobenzene	4.727	146	152281	11.13	ppb	98
16) Benzyl alcohol	4.829	108	81287	10.84	ppb	92
17) 1,2-Dichlorobenzene	4.845	146	143844	11.36	ppb	99
18) Acetophenone	5.032	105	172676	10.99	ppb	98
19) 2-Methylphenol	4.925	108	103466	10.06	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.919	121	43407	10.77	ppb	91
21) 3&4-Methylphenol	5.048	108	112293	10.36	ppb	97
22) n-Nitroso-di-n-propyla...	5.026	70	73805	10.56	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	45758	11.06	ppb		98
26) Nitrobenzene	5.176	77	121105	11.10	ppb		99
27) Quinoline	6.171	129	254916	10.92	ppb		99
28) Isophorone	5.374	82	205571	11.01	ppb		97
29) 2-Nitrophenol	5.454	139	74422	11.04	ppb		86
30) 2,4-Dimethylphenol	5.492	107	98726	9.06	ppb		98
31) Benzoic acid	5.593	105	87429	9.70	ppb		90
32) bis(2-Chloroethoxy)met...	5.561	93	116027	10.94	ppb		99
33) 2,4-Dichlorophenol	5.684	162	102352	10.94	ppb		96
34) 2,6-Dichlorophenol	5.893	162	99912	10.73	ppb		97
35) 1,3,5-Trichlorobenzene	5.460	180	117155	11.42	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	106803	10.99	ppb		97
37) 1,2,3-Trichlorobenzene	5.973	180	105424	10.96	ppb		98
38) Naphthalene	5.823	128	377580	11.19	ppb		99
39) 4-Chloroaniline	5.882	127	156651	10.64	ppb		96
40) 2,3-Dichloroaniline	6.904	161	126889	10.88	ppb		99
41) Caprolactam	6.241	55	38189	11.10	ppb		96
42) Hexachlorobutadiene	5.946	225	54217	11.21	ppb		95
43) 4-Chloro-3-methylphenol	6.417	107	105633m	10.97	ppb		
44) 2-Methylnaphthalene	6.562	141	225116	11.14	ppb		99
45) 1-Methylnaphthalene	6.674	141	232270	11.35	ppb		94
46) Dimethylnaphthalene	7.326	156	224191	10.88	ppb		99
48) Hexachlorocyclopentadiene	6.749	237	46551	13.76	ppb		98
49) 2,4,6-Trichlorophenol	6.915	196	65344	10.96	ppb		98
50) 2,4,5-Trichlorophenol	6.968	196	67778	10.51	ppb		98
52) 2-Chloronaphthalene	7.150	162	229634	11.30	ppb		99
53) Biphenyl	7.123	154	307994	11.19	ppb		99
54) 2-Nitroaniline	7.294	65	63913	11.92	ppb		96
55) Dimethylphthalate	7.530	163	248805	11.09	ppb		99
56) Acenaphthylene	7.685	152	372570	11.05	ppb		100
57) 2,6-Dinitrotoluene	7.615	165	60432	10.64	ppb		97
58) 3-Nitroaniline	7.845	138	69694	10.80	ppb		96
59) Acenaphthene	7.925	153	233425	11.10	ppb		98
60) 2,4-Dinitrophenol	8.016	184	55322	16.91	ppb		94
61) 4-Nitrophenol	8.155	109	30175	10.94	ppb	#	30
62) Dibenzofuran	8.166	168	318943	11.35	ppb		92
63) 2,4-Dinitrotoluene	8.188	165	82588	10.77	ppb		94
64) 2,3,4,6-Tetrachlorophenol	8.369	232	50458	10.63	ppb		97
65) Diethylphthalate	8.524	149	241982	10.89	ppb		99
66) Fluorene	8.658	166	255834	10.99	ppb		99
67) 4-Chlorophenyl-phenyle...	8.669	204	107490	10.74	ppb		96
68) 4-Nitroaniline	8.717	138	68555	10.47	ppb		93
70) 4,6-Dinitro-2-methylph...	8.792	198	39276	9.17	ppb		83
71) n-Nitrosodiphenylamine	8.851	169	175138	10.74	ppb		99
72) 1,2-Diphenylhydrazine	8.904	77	228343	11.01	ppb		98
74) 4-Bromophenyl-phenylether	9.391	248	57088	10.54	ppb		94
75) Hexachlorobenzene	9.493	284	59071	10.87	ppb		96
76) Pentachlorophenol	9.808	266	64831	19.10	ppb		98
77) Phenanthrene	10.097	178	357273	11.04	ppb		99
78) Anthracene	10.177	178	361088	10.76	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	345724	10.92	ppb	99
80) Di-n-butylphthalate	11.054	149	403555	10.55	ppb	100
81) Fluoranthene	11.964	202	351720	10.81	ppb	98
82) Octadecane	9.990	57	118968	11.08	ppb	98
84) Pyrene	12.311	202	374119	10.96	ppb	98
86) Butylbenzylphthalate	13.435	149	173943	10.22	ppb	99
87) Butyl stearate	13.595	56	79906	7.39	ppb	95
88) Benzo[a]anthracene	14.242	228	322141	10.90	ppb	99
89) 3,3'-Dichlorobenzidine	14.237	252	113306	10.21	ppb	99
90) Chrysene	14.296	228	299640	11.01	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.392	149	253153	10.43	ppb	98
93) Di-n-octylphthalate	15.376	149	432879	10.63	ppb	99
94) Benzo[b]fluoranthene	15.857	252	312195	10.73	ppb	99
95) Benzo[k]fluoranthene	15.895	252	303730	11.17	ppb	98
96) Benzo[a]pyrene	16.301	252	269550	10.68	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.954	276	323407	10.97	ppb	97
98) Dibenz(a,h)acridine	17.585	279	242443	10.97	ppb	99
99) Dibenz[a,h]anthracene	17.981	278	268043	10.85	ppb	97
100) 7,12-Dimethylbenz(a)an...	15.847	256	114825	7.79	ppb	97
101) Benzo[g,h,i]perylene	18.403	276	254993	10.93	ppb	97

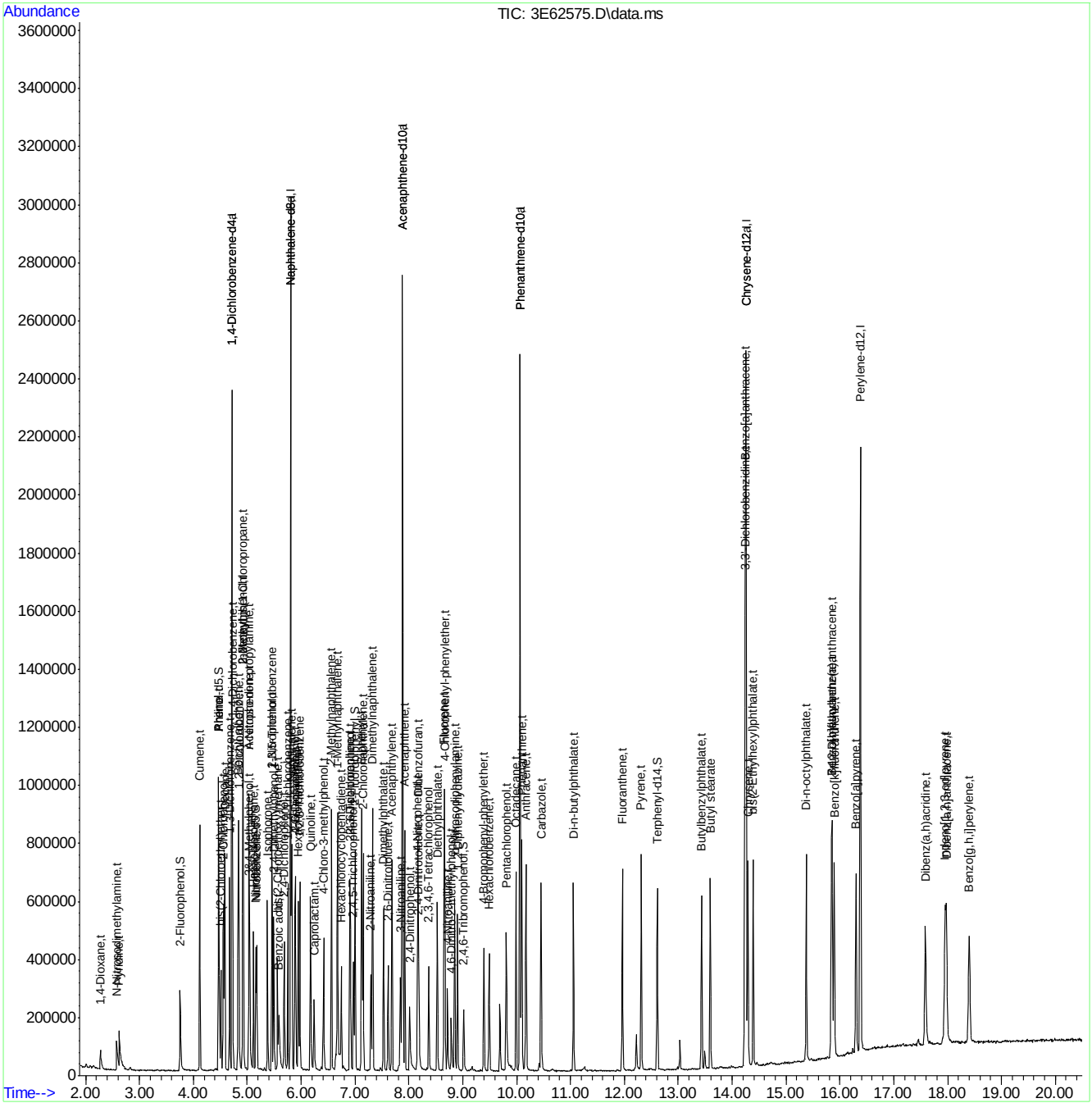
(#) = qualifier out of range (m) = manual integration (+) = signals summed

9.9.15
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



Manual Integration Approval Summary

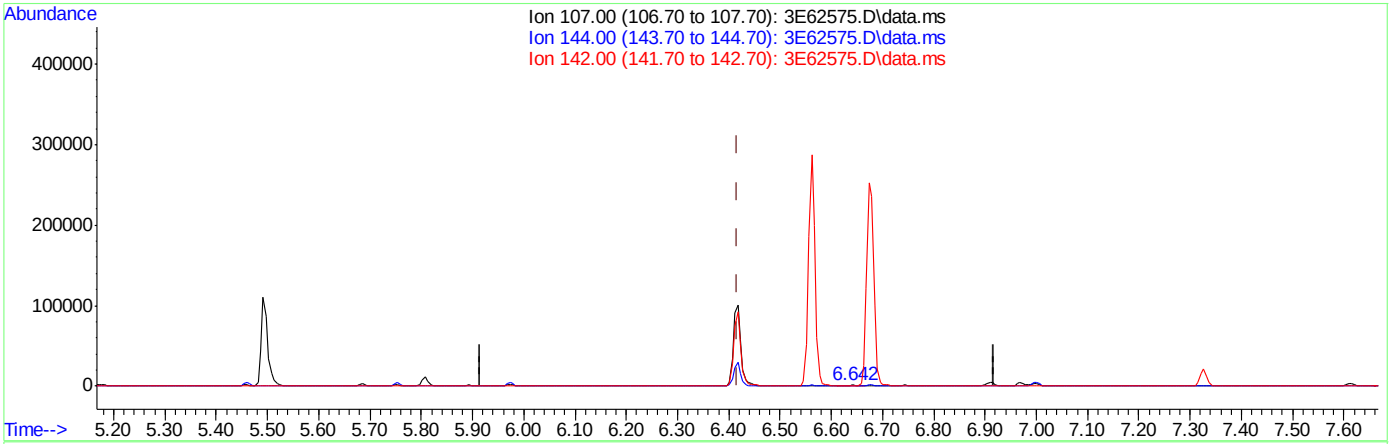
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62575.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 21:28	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

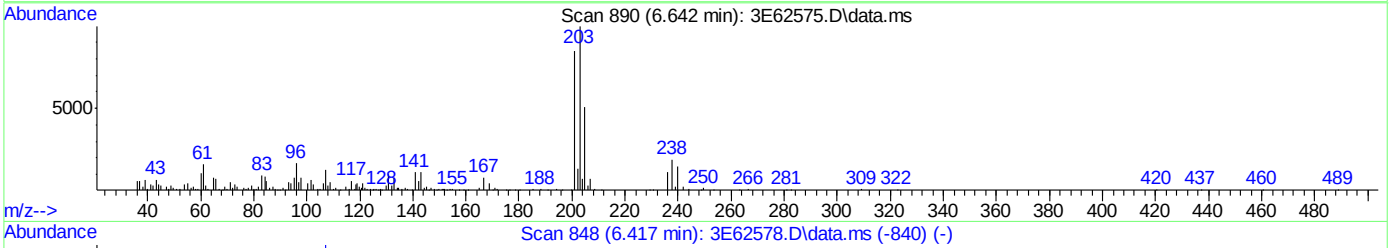
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

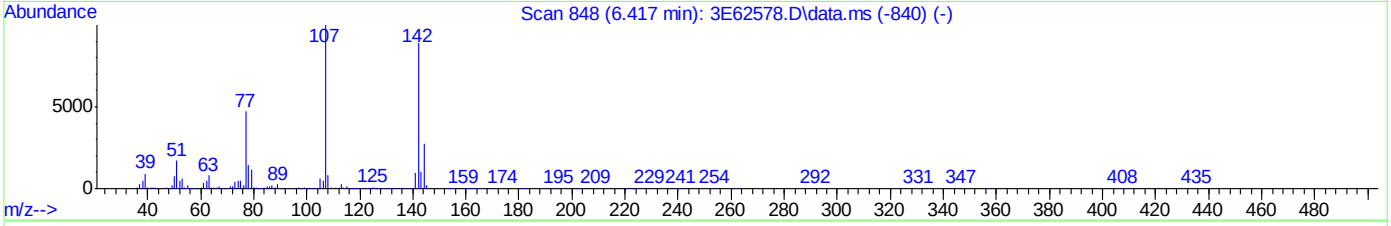
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:56:45 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62575.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.18ppb

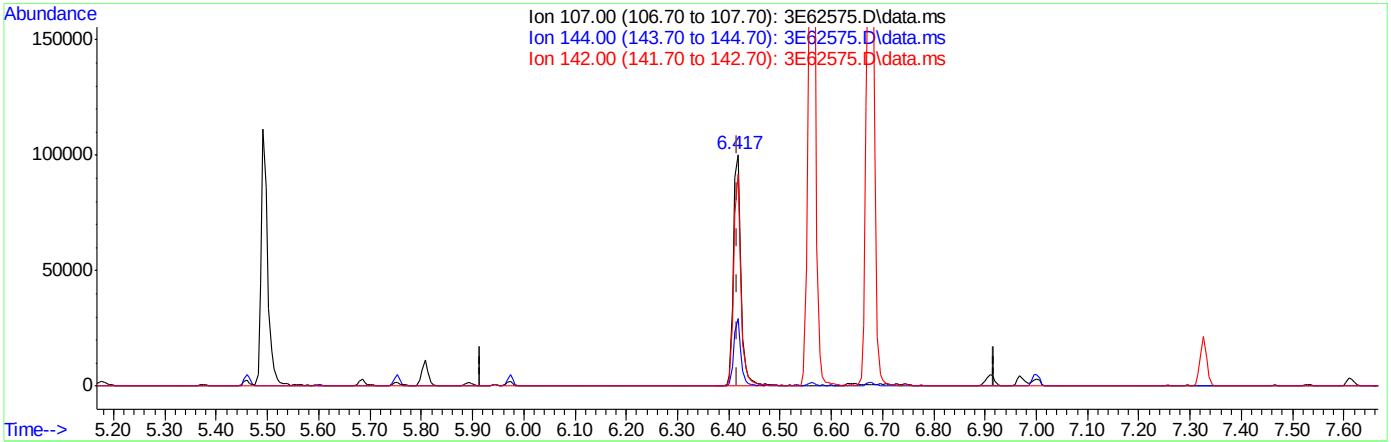
response 1766

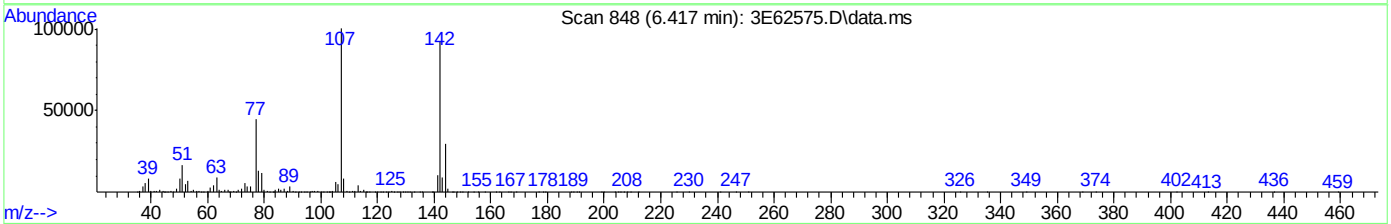
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

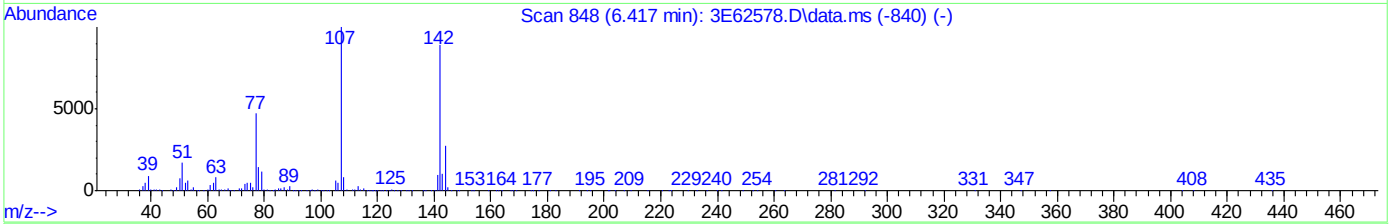
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62575.D
Acq On : 26 Jun 2014 9:28 pm
Operator : andrews1
Sample : ic2680-10
Misc : op75684,e3e2680,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 08:58:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62575.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.417min (-0.000) 10.97ppb m

response 105633

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	29.18
142.00	0.00	91.53#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	308794	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1181446	40.00	ppb	0.00
47) Acenaphthene-d10	7.882	164	671549	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	1068779	40.00	ppb	0.00
83) Chrysene-d12	14.269	240	1001657	40.00	ppb	0.01
92) Perylene-d12	16.387	264	807782	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.716	152	308794	40.00	ppb	0.00
104) Acenaphthene-d10a	7.882	164	671549	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	1068779	40.00	ppb	0.00
110) Chrysene-d12a	14.269	240	1001657	40.00	ppb	0.01
112) Naphthalene-d8a	5.807	136	1181446	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	803139	84.81	ppb	0.00
Spiked Amount 50.000			Recovery = 169.62%			
8) Phenol-d5	4.465	99	1006036	84.96	ppb	0.00
Spiked Amount 50.000			Recovery = 169.92%			
25) Nitrobenzene-d5	5.165	82	833435	84.42	ppb	0.00
Spiked Amount 50.000			Recovery = 168.84%			
51) 2-Fluorobiphenyl	7.005	172	1757535	81.71	ppb	0.00
Spiked Amount 50.000			Recovery = 163.42%			
73) 2,4,6-Tribromophenol	9.027	330	195798	85.44	ppb	0.00
Spiked Amount 50.000			Recovery = 170.88%			
85) Terphenyl-d14	12.621	244	1757758	80.24	ppb	0.00
Spiked Amount 50.000			Recovery = 160.48%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.266	88	292763	82.97	ppb	99
3) Pyridine	2.598	79	723356	84.47	ppb	99
4) N-Nitrosodimethylamine	2.566	74	416847	83.87	ppb	98
6) Indene	4.914	116	1550756	84.35	ppb	96
7) Cumene	4.117	105	2046596	81.80	ppb	97
9) Phenol	4.475	94	1086385	83.75	ppb	82
10) Aniline	4.470	93	1024993	67.57	ppb	96
11) bis(2-Chloroethyl)ether	4.513	93	719048	83.22	ppb	98
12) 2-Chlorophenol	4.566	128	931076	82.72	ppb	95
13) Decane	4.588	43	619789	86.50	ppb	96
14) 1,3-Dichlorobenzene	4.673	146	1041507	83.61	ppb	99
15) 1,4-Dichlorobenzene	4.727	146	1050982	83.37	ppb	97
16) Benzyl alcohol	4.834	108	594539	86.00	ppb	97
17) 1,2-Dichlorobenzene	4.850	146	996001	85.35	ppb	98
18) Acetophenone	5.037	105	1244285	85.95	ppb	98
19) 2-Methylphenol	4.930	108	774679	81.70	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.925	121	321935	86.69	ppb	91
21) 3&4-Methylphenol	5.048	108	846316	84.75	ppb	98
22) n-Nitroso-di-n-propyla...	5.037	70	542574	84.22	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	325986	85.47	ppb		98
26) Nitrobenzene	5.181	77	871417	85.89	ppb		97
27) Quinoline	6.192	129	1882660	86.70	ppb		99
28) Isophorone	5.385	82	1444646	83.24	ppb		99
29) 2-Nitrophenol	5.460	139	556126	88.73	ppb		88
30) 2,4-Dimethylphenol	5.497	107	830318	81.96	ppb		98
31) Benzoic acid	5.652	105	728602m	86.93	ppb		
32) bis(2-Chloroethoxy)met...	5.567	93	836309	84.78	ppb		98
33) 2,4-Dichlorophenol	5.690	162	746567	85.82	ppb		98
34) 2,6-Dichlorophenol	5.898	162	752614	86.92	ppb		97
35) 1,3,5-Trichlorobenzene	5.465	180	827339	86.74	ppb		97
36) 1,2,4-Trichlorobenzene	5.754	180	779410	86.24	ppb		100
37) 1,2,3-Trichlorobenzene	5.978	180	781232	87.34	ppb		98
38) Naphthalene	5.829	128	2570511	81.94	ppb		97
39) 4-Chloroaniline	5.893	127	1078630	78.80	ppb		98
40) 2,3-Dichloroaniline	6.904	161	932754	86.02	ppb		97
41) Caprolactam	6.289	55	279494	87.40	ppb		99
42) Hexachlorobutadiene	5.952	225	406072	90.33	ppb		99
43) 4-Chloro-3-methylphenol	6.428	107	784985m	87.65	ppb		
44) 2-Methylnaphthalene	6.567	141	1607085	85.57	ppb		100
45) 1-Methylnaphthalene	6.679	141	1611967	84.70	ppb		99
46) Dimethylnaphthalene	7.332	156	1649324	86.07	ppb		98
48) Hexachlorocyclopentadiene	6.749	237	621030	191.72	ppb		100
49) 2,4,6-Trichlorophenol	6.920	196	497021	87.09	ppb		96
50) 2,4,5-Trichlorophenol	6.979	196	531555	86.12	ppb		99
52) 2-Chloronaphthalene	7.155	162	1661212	85.39	ppb		98
53) Biphenyl	7.134	154	2226568	84.51	ppb		99
54) 2-Nitroaniline	7.305	65	470159	91.61	ppb		96
55) Dimethylphthalate	7.540	163	1792949	83.51	ppb		99
56) Acenaphthylene	7.695	152	2662597	82.49	ppb		97
57) 2,6-Dinitrotoluene	7.626	165	474971	87.37	ppb		96
58) 3-Nitroaniline	7.856	138	544215	88.06	ppb		97
59) Acenaphthene	7.931	153	1707481	84.78	ppb		100
60) 2,4-Dinitrophenol	8.027	184	591655	188.84	ppb		95
61) 4-Nitrophenol	8.161	109	227094	86.00	ppb	#	59
62) Dibenzofuran	8.177	168	2294275	85.27	ppb		98
63) 2,4-Dinitrotoluene	8.198	165	638923	87.06	ppb		94
64) 2,3,4,6-Tetrachlorophenol	8.375	232	401631	88.37	ppb		98
65) Diethylphthalate	8.540	149	1778530	83.62	ppb		99
66) Fluorene	8.663	166	1921143	86.19	ppb		98
67) 4-Chlorophenyl-phenyle...	8.674	204	832412	86.88	ppb		99
68) 4-Nitroaniline	8.744	138	540770	86.24	ppb		97
70) 4,6-Dinitro-2-methylph...	8.802	198	373918	89.96	ppb		97
71) n-Nitrosodiphenylamine	8.861	169	1303450	82.41	ppb		100
72) 1,2-Diphenylhydrazine	8.909	77	1684049	83.68	ppb		98
74) 4-Bromophenyl-phenylether	9.402	248	443813	84.47	ppb		98
75) Hexachlorobenzene	9.498	284	460274	87.25	ppb		96
76) Pentachlorophenol	9.819	266	583318	177.16	ppb		99
77) Phenanthrene	10.108	178	2580159	82.19	ppb		98
78) Anthracene	10.188	178	2626924	80.71	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

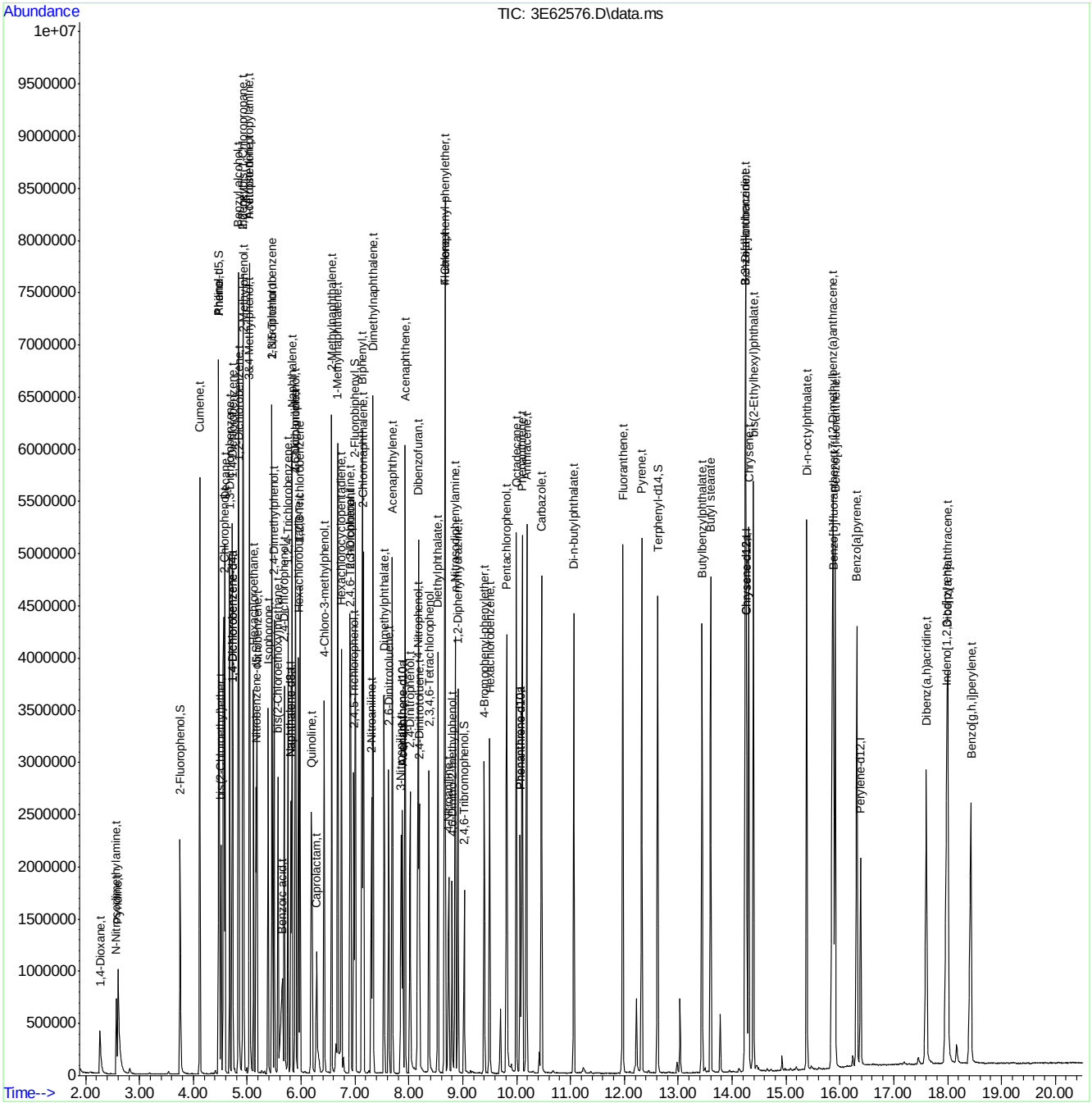
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.466	167	2533361	82.44	ppb	98
80) Di-n-butylphthalate	11.065	149	2947296	79.39	ppb	99
81) Fluoranthene	11.974	202	2637262	83.51	ppb	98
82) Octadecane	9.995	57	888519	85.30	ppb	97
84) Pyrene	12.322	202	2752721	80.74	ppb	99
86) Butylbenzylphthalate	13.445	149	1374270	80.87	ppb	98
87) Butyl stearate	13.600	56	610700	56.54	ppb	94
88) Benzo[a]anthracene	14.253	228	2409935	81.63	ppb	98
89) 3,3'-Dichlorobenzidine	14.247	252	920905	83.11	ppb	99
90) Chrysene	14.312	228	2201537	81.02	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.397	149	1926423	79.44	ppb	98
93) Di-n-octylphthalate	15.387	149	3235907	86.07	ppb	98
94) Benzo[b]fluoranthene	15.884	252	2372015	88.28	ppb	99
95) Benzo[k]fluoranthene	15.916	252	2222036	88.54	ppb	97
96) Benzo[a]pyrene	16.317	252	2020557	86.69	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.981	276	2411481	88.57	ppb	99
98) Dibenz(a,h)acridine	17.606	279	1824724	89.41	ppb	98
99) Dibenz[a,h]anthracene	18.007	278	2021555	88.65	ppb	99
100) 7,12-Dimethylbenz(a)an...	15.868	256	1176967	86.48	ppb	98
101) Benzo[g,h,i]perylene	18.435	276	1894765	87.99	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



Manual Integration Approval Summary

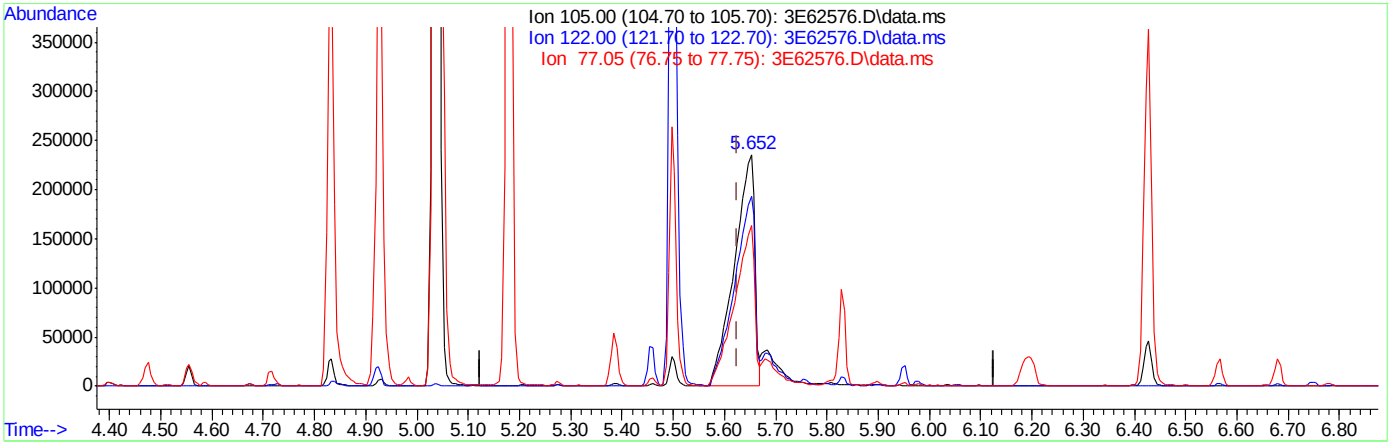
Sample Number: E3E2680-IC2680 **Method:** SW846 8270D
Lab FileID: 3E62576.D **Analyst approved:** 06/27/14 10:11 Nina Pandya
Injection Time: 06/26/14 21:55 **Supervisor approved:** 06/27/14 15:27 Nina Pandya

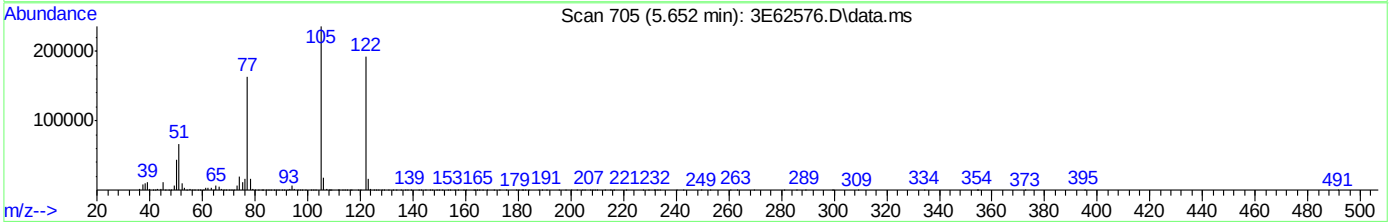
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.65	Poor instrument integration
4-Chloro-3-methyl phenol	59-50-7		6.43	Poor instrument integration

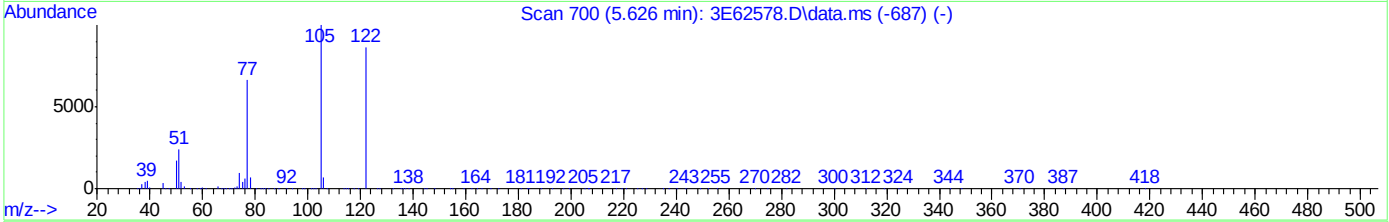
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 08:58:14 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(31) Benzoic acid (t)

5.652min (+0.027) 77.10ppb

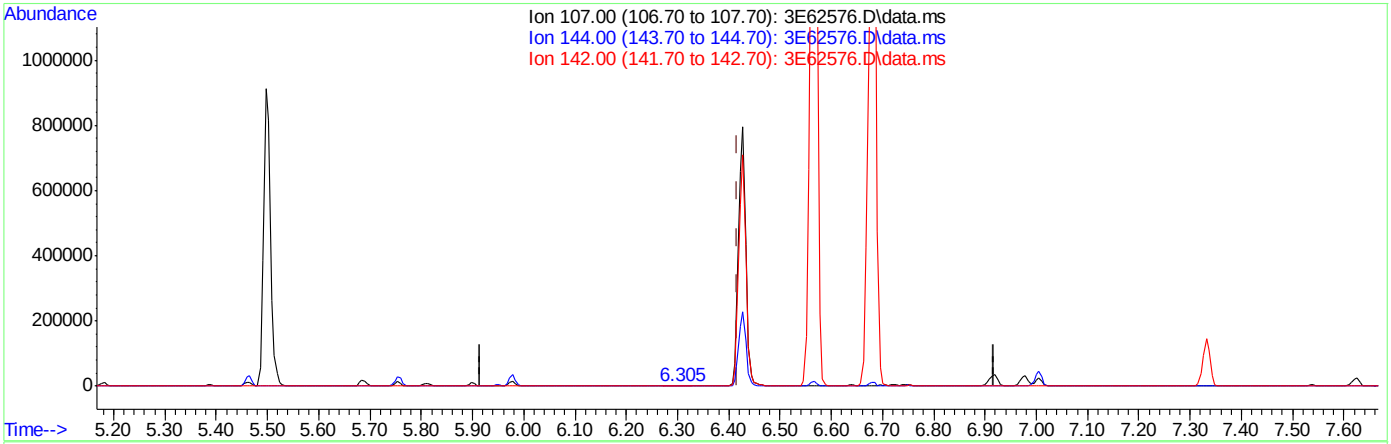
response 646219

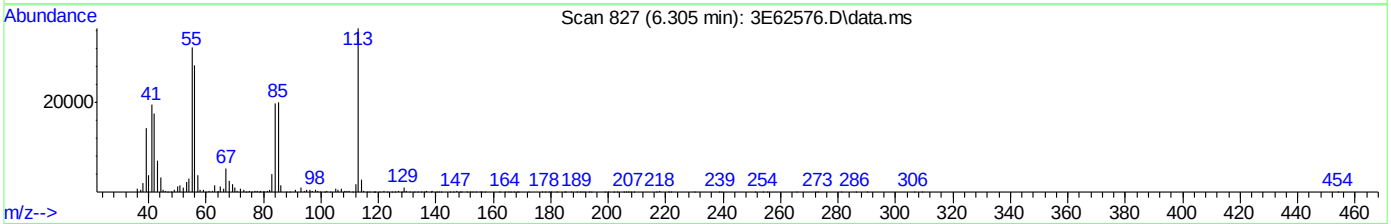
Ion	Exp%	Act%
105.00	100	100
122.00	86.70	81.45
77.05	66.20	69.32
0.00	0.00	0.00

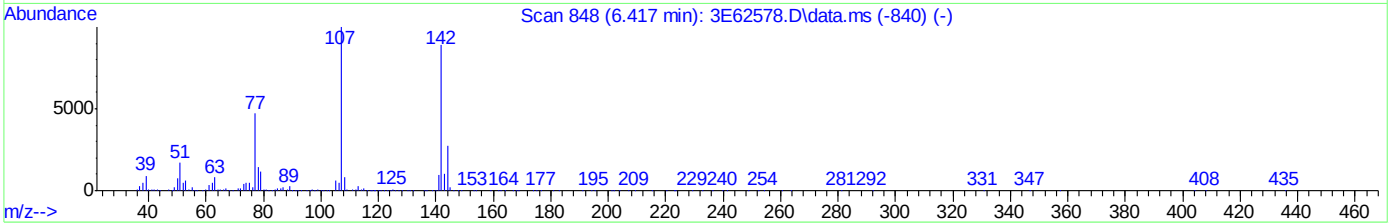
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 08:58:14 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.305min (-0.112) 0.12ppb

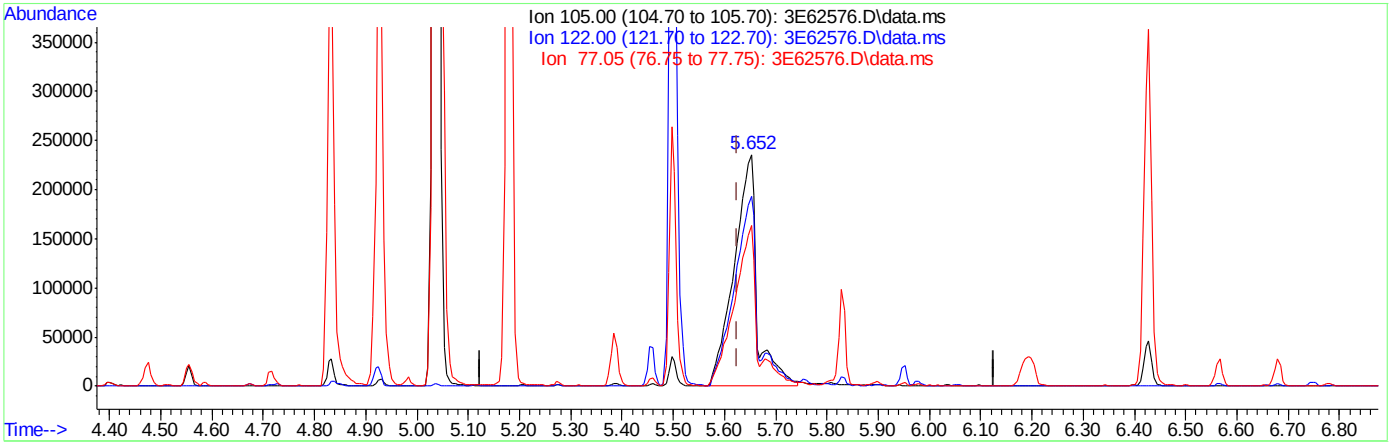
response 1051

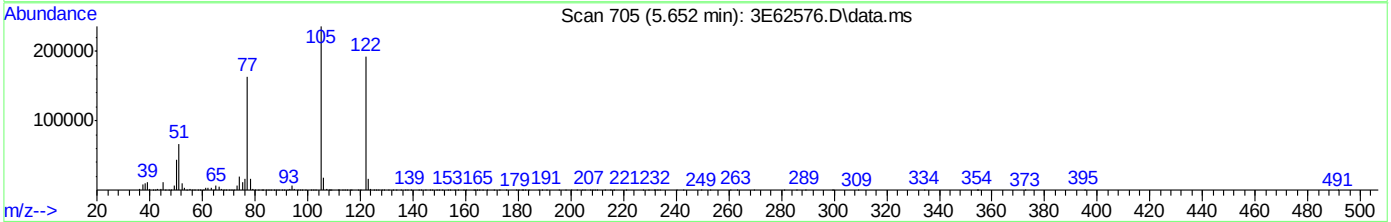
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	8.31
0.00	0.00	0.00

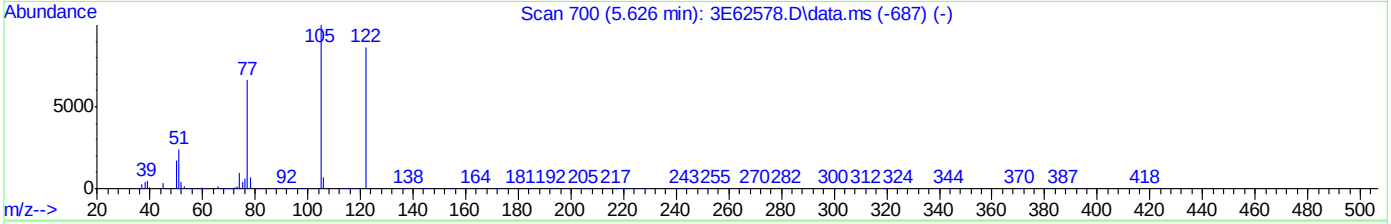
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(31) Benzoic acid (t)

5.652min (+0.027) 86.93ppb m

response 728602

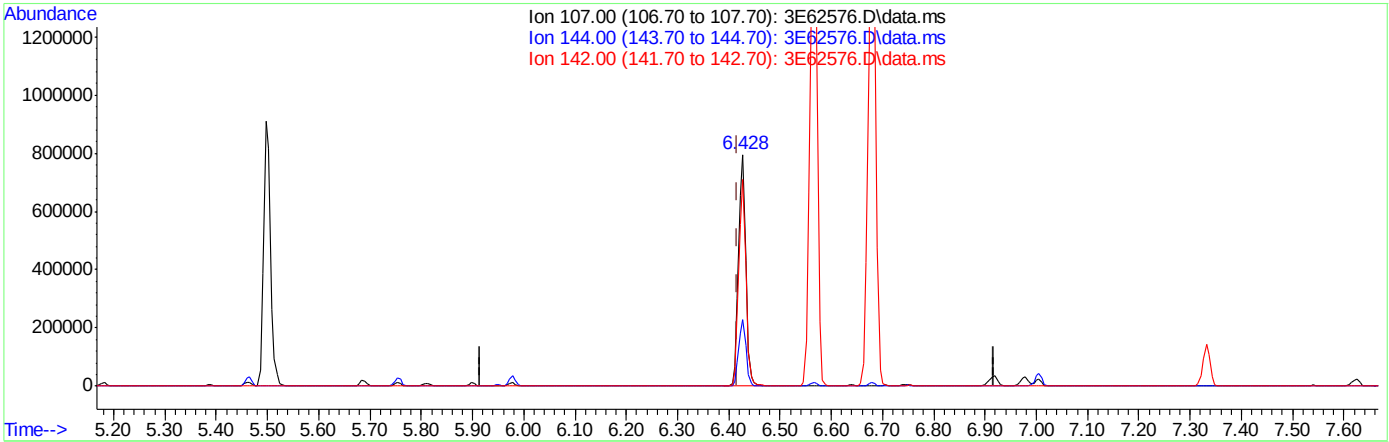
Ion	Exp%	Act%
105.00	100	100
122.00	86.70	81.85
77.05	66.20	69.44
0.00	0.00	0.00

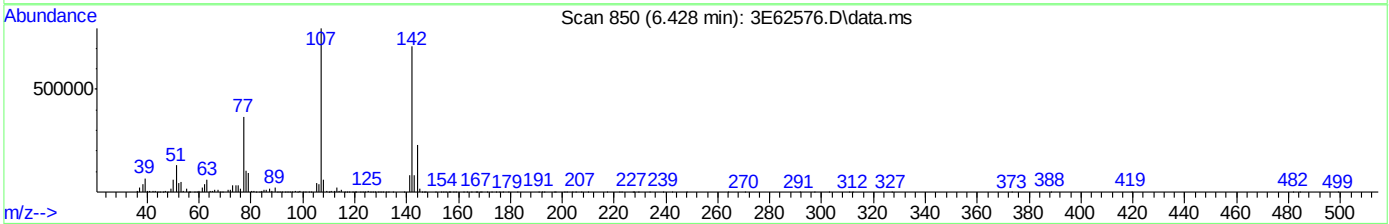
ACCUTEST LABORATORIES JB69926

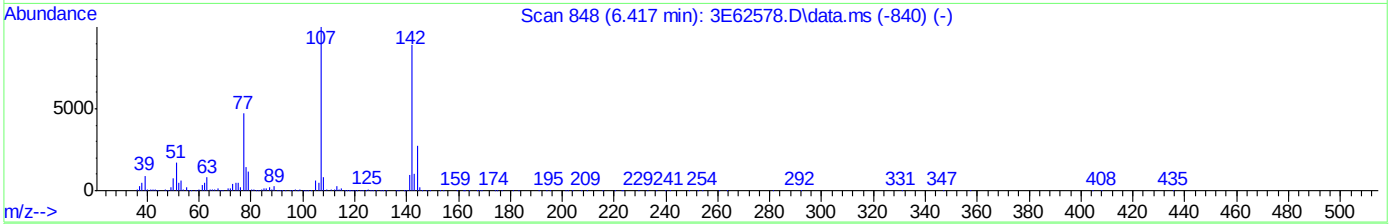
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62576.D
Acq On : 26 Jun 2014 9:55 pm
Operator : andrews1
Sample : ic2680-80
Misc : op75684,e3e2680,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 09:01:05 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62576.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.428min (+0.011) 87.65ppb m

response 784985

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	28.85
142.00	0.00	89.37#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	328756	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1262557	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	715919	40.00	ppb	0.00
69) Phenanthrene-d10	10.070	188	1112437	40.00	ppb	0.00
83) Chrysene-d12	14.269	240	1077355	40.00	ppb	0.01
92) Perylene-d12	16.392	264	835466	40.00	ppb	0.01
102) 1,4-Dichlorobenzene-d4a	4.716	152	328756	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	715919	40.00	ppb	0.00
106) Phenanthrene-d10a	10.070	188	1112437	40.00	ppb	0.00
110) Chrysene-d12a	14.269	240	1077355	40.00	ppb	0.01
112) Naphthalene-d8a	5.807	136	1262557	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	1049503	104.09	ppb	0.00
Spiked Amount 50.000			Recovery =	208.18%		
8) Phenol-d5	4.470	99	1322572	104.91	ppb	0.00
Spiked Amount 50.000			Recovery =	209.82%		
25) Nitrobenzene-d5	5.166	82	1077777	102.15	ppb	0.00
Spiked Amount 50.000			Recovery =	204.30%		
51) 2-Fluorobiphenyl	7.005	172	2251135	98.17	ppb	0.00
Spiked Amount 50.000			Recovery =	196.34%		
73) 2,4,6-Tribromophenol	9.027	330	252556	105.88	ppb	0.00
Spiked Amount 50.000			Recovery =	211.76%		
85) Terphenyl-d14	12.622	244	2261447	95.98	ppb	0.00
Spiked Amount 50.000			Recovery =	191.96%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.261	88	384563	102.37	ppb	96
3) Pyridine	2.598	79	968436	106.23	ppb	97
4) N-Nitrosodimethylamine	2.566	74	534358	100.98	ppb	95
6) Indene	4.914	116	2016339	103.02	ppb	96
7) Cumene	4.117	105	2585882	97.07	ppb	95
9) Phenol	4.481	94	1426487	103.29	ppb #	67
10) Aniline	4.470	93	1309637	81.09	ppb	88
11) bis(2-Chloroethyl)ether	4.518	93	926321	100.70	ppb	99
12) 2-Chlorophenol	4.567	128	1207955	100.80	ppb	93
13) Decane	4.588	43	785705	103.00	ppb	95
14) 1,3-Dichlorobenzene	4.673	146	1347617	101.62	ppb	100
15) 1,4-Dichlorobenzene	4.727	146	1361953	101.48	ppb	97
16) Benzyl alcohol	4.834	108	782018	106.25	ppb	96
17) 1,2-Dichlorobenzene	4.850	146	1274657	102.60	ppb	96
18) Acetophenone	5.043	105	1612535	104.63	ppb	96
19) 2-Methylphenol	4.930	108	1019422	100.98	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.925	121	424855	107.46	ppb	92
21) 3&4-Methylphenol	5.053	108	1114733	104.85	ppb	95
22) n-Nitroso-di-n-propyla...	5.043	70	698959	101.91	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	425079	104.68	ppb		98
26) Nitrobenzene	5.182	77	1115409	102.88	ppb		99
27) Quinoline	6.203	129	2446377	105.43	ppb		100
28) Isophorone	5.390	82	1869939	100.82	ppb		98
29) 2-Nitrophenol	5.460	139	725223	108.27	ppb		93
30) 2,4-Dimethylphenol	5.503	107	1083243	100.06	ppb		97
31) Benzoic acid	5.668	105	923887	103.14	ppb		97
32) bis(2-Chloroethoxy)met...	5.572	93	1093415	103.73	ppb		98
33) 2,4-Dichlorophenol	5.690	162	978889	105.30	ppb		98
34) 2,6-Dichlorophenol	5.904	162	978079	105.70	ppb		99
35) 1,3,5-Trichlorobenzene	5.465	180	1076088	105.57	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	1006642	104.22	ppb		99
37) 1,2,3-Trichlorobenzene	5.979	180	994468	104.04	ppb		99
38) Naphthalene	5.834	128	3272163	97.61	ppb		96
39) 4-Chloroaniline	5.893	127	1396038	95.44	ppb		97
40) 2,3-Dichloroaniline	6.909	161	1213219	104.69	ppb		98
41) Caprolactam	6.299	55	359314	105.14	ppb		97
42) Hexachlorobutadiene	5.952	225	516462	107.50	ppb		98
43) 4-Chloro-3-methylphenol	6.433	107	1010257m	105.56	ppb		
44) 2-Methylnaphthalene	6.567	141	2038334	101.56	ppb		97
45) 1-Methylnaphthalene	6.685	141	2038400	100.22	ppb		96
46) Dimethylnaphthalene	7.337	156	2129320	103.98	ppb		97
48) Hexachlorocyclopentadiene	6.754	237	844585	244.58	ppb		96
49) 2,4,6-Trichlorophenol	6.920	196	646653	106.29	ppb		97
50) 2,4,5-Trichlorophenol	6.979	196	670619	101.92	ppb		99
52) 2-Chloronaphthalene	7.161	162	2113868	101.93	ppb		98
53) Biphenyl	7.134	154	2852012	101.54	ppb		99
54) 2-Nitroaniline	7.310	65	599471	109.57	ppb		94
55) Dimethylphthalate	7.540	163	2284237	99.80	ppb		98
56) Acenaphthylene	7.695	152	3367119	97.85	ppb		96
57) 2,6-Dinitrotoluene	7.631	165	616270	106.33	ppb		99
58) 3-Nitroaniline	7.861	138	710046	107.77	ppb		96
59) Acenaphthene	7.936	153	2160205	100.61	ppb		97
60) 2,4-Dinitrophenol	8.027	184	785497	235.18	ppb		99
61) 4-Nitrophenol	8.166	109	301723	107.18	ppb	#	29
62) Dibenzofuran	8.177	168	2941178	102.54	ppb		96
63) 2,4-Dinitrotoluene	8.204	165	814610	104.12	ppb		93
64) 2,3,4,6-Tetrachlorophenol	8.375	232	524617	108.28	ppb		98
65) Diethylphthalate	8.546	149	2269644	100.09	ppb		98
66) Fluorene	8.669	166	2443262	102.83	ppb		98
67) 4-Chlorophenyl-phenyle...	8.674	204	1072712	105.02	ppb		98
68) 4-Nitroaniline	8.749	138	701824	104.98	ppb		99
70) 4,6-Dinitro-2-methylph...	8.808	198	488067	112.82	ppb		92
71) n-Nitrosodiphenylamine	8.867	169	1653105	100.41	ppb		100
72) 1,2-Diphenylhydrazine	8.915	77	2136596	102.00	ppb		95
74) 4-Bromophenyl-phenylether	9.402	248	571869	104.57	ppb		98
75) Hexachlorobenzene	9.503	284	578441	105.35	ppb		99
76) Pentachlorophenol	9.824	266	763936	222.91	ppb		98
77) Phenanthrene	10.108	178	3280771	100.40	ppb		96
78) Anthracene	10.188	178	3299286	97.38	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.466	167	3207739	100.29	ppb	98
80) Di-n-butylphthalate	11.065	149	3757005	97.23	ppb	98
81) Fluoranthene	11.974	202	3377611	102.75	ppb	96
82) Octadecane	9.995	57	1122590	103.54	ppb	97
84) Pyrene	12.327	202	3465071	94.49	ppb	98
86) Butylbenzylphthalate	13.445	149	1770541	96.86	ppb	98
87) Butyl stearate	13.606	56	789921	68.00	ppb	98
88) Benzo[a]anthracene	14.253	228	3108068	97.88	ppb	97
89) 3,3'-Dichlorobenzidine	14.253	252	1205402	101.14	ppb	98
90) Chrysene	14.317	228	2781483	95.17	ppb	98
91) bis(2-Ethylhexyl)phtha...	14.397	149	2486947	95.35	ppb	99
93) Di-n-octylphthalate	15.387	149	4100771	105.46	ppb	96
94) Benzo[b]fluoranthene	15.890	252	3051941	109.82	ppb	98
95) Benzo[k]fluoranthene	15.927	252	2784584	107.28	ppb	98
96) Benzo[a]pyrene	16.323	252	2541826	105.44	ppb	98
97) Indeno[1,2,3-cd]pyrene	17.992	276	3084413	109.53	ppb	96
98) Dibenz(a,h)acridine	17.612	279	2337769	110.75	ppb	100
99) Dibenz[a,h]anthracene	18.018	278	2586384	109.65	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.868	256	1528861	108.62	ppb	99
101) Benzo[g,h,i]perylene	18.446	276	2411263	108.26	ppb	98

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

9.6.17

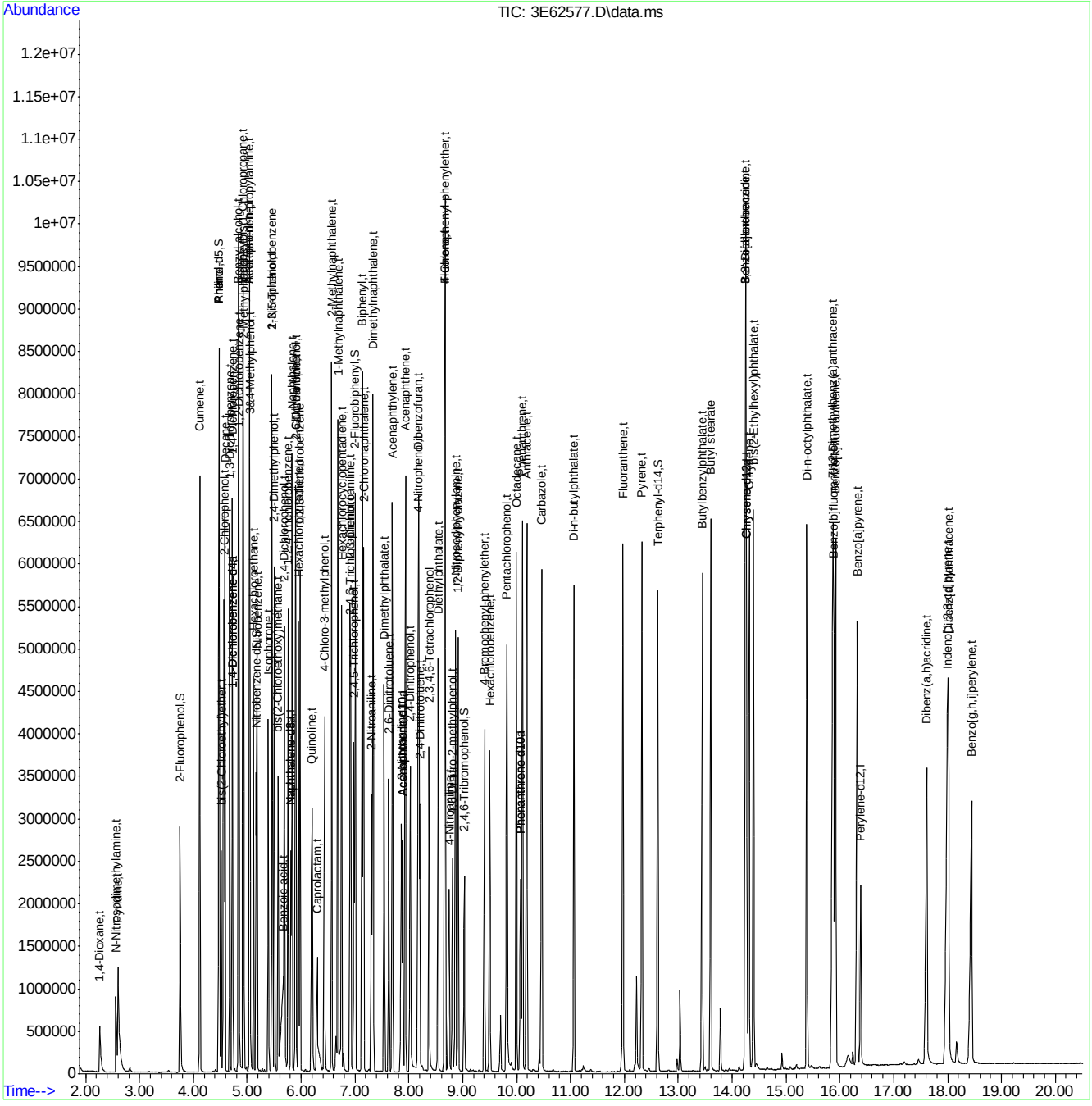
6

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

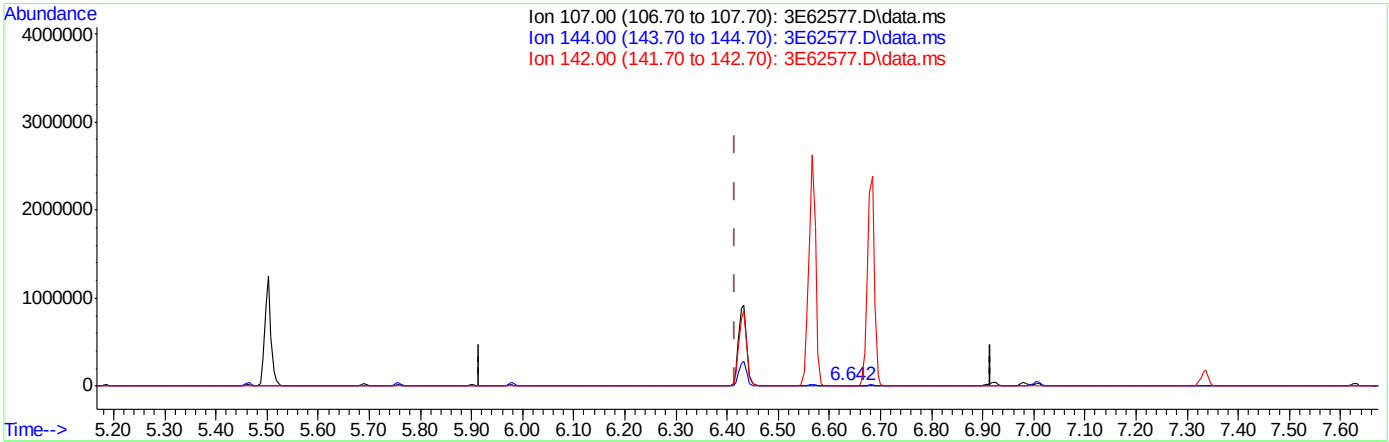
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62577.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 22:22	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

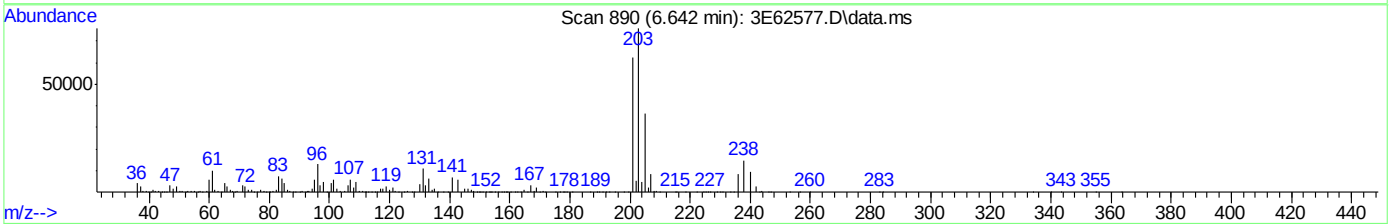
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.43	Poor instrument integration

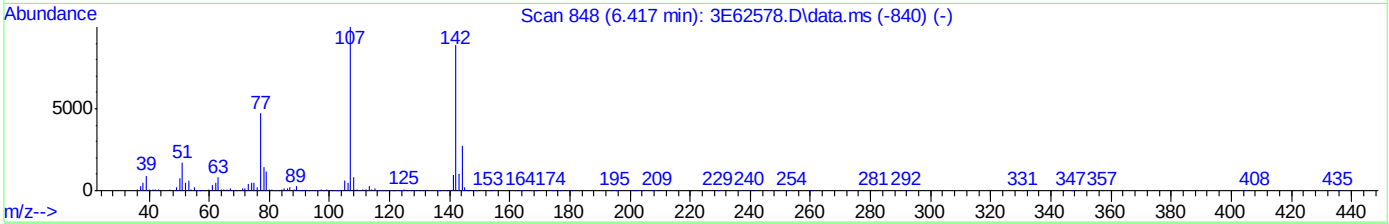
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:01:15 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62577.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.92ppb

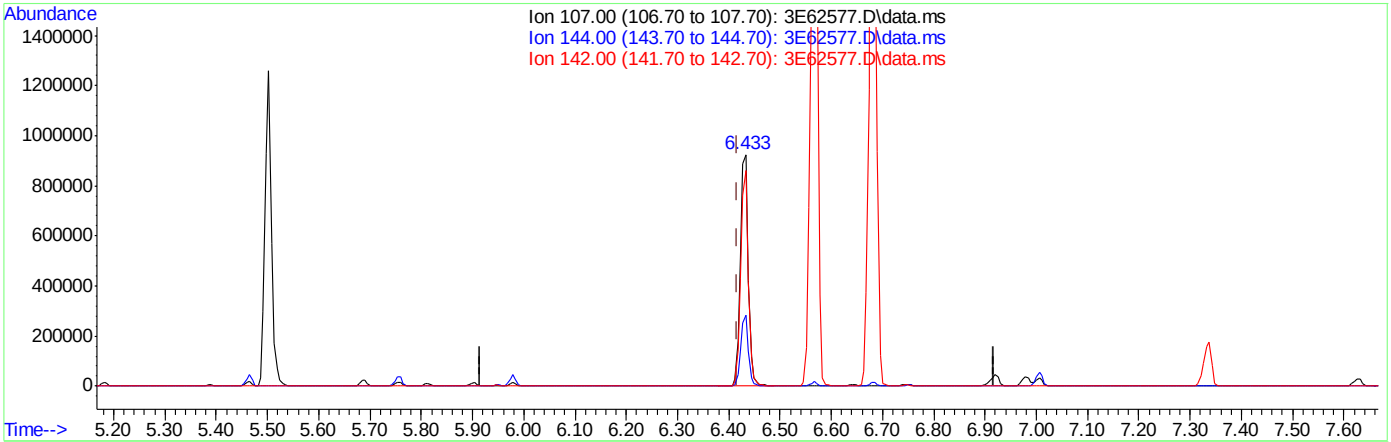
response 8843

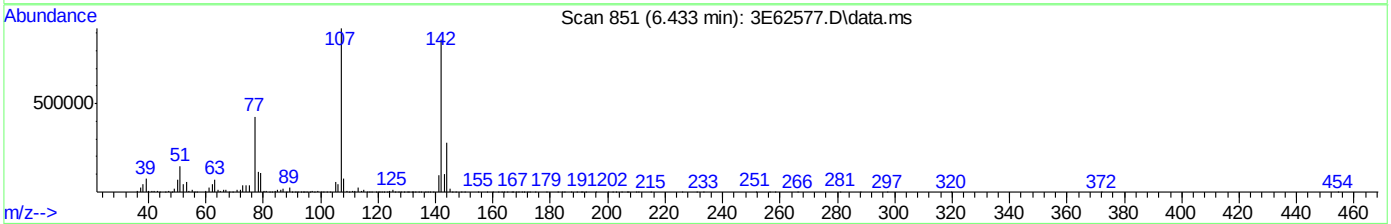
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

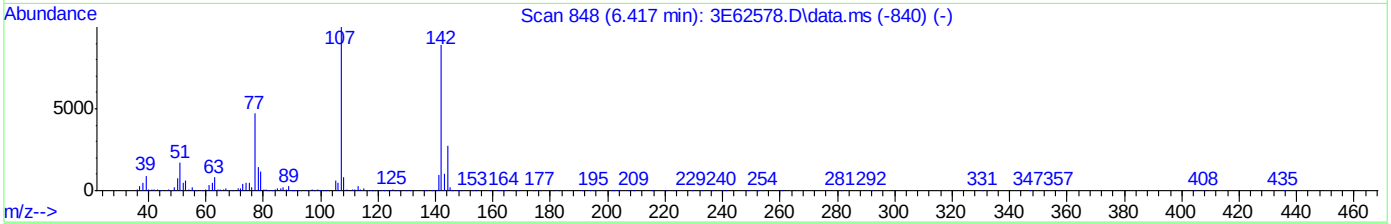
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62577.D
Acq On : 26 Jun 2014 10:22 pm
Operator : andrews1
Sample : ic2680-100
Misc : op75684,e3e2680,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 09:02:25 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration







TIC: 3E62577.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.433min (+0.016) 105.56ppb m

response 1010257

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	30.46
142.00	0.00	92.84#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25moFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	262537	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1000061	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	560353	40.00	ppb	0.00
69) Phenanthrene-d10	10.065	188	865384	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	783964	40.00	ppb	0.00
92) Perylene-d12	16.382	264	690697	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	262537	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	560353	40.00	ppb	0.00
106) Phenanthrene-d10a	10.065	188	865384	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	783964	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1000061	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.748	112	402571	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
8) Phenol-d5	4.465	99	503390	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
25) Nitrobenzene-d5	5.160	82	417846	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
51) 2-Fluorobiphenyl	7.000	172	897416	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
73) 2,4,6-Tribromophenol	9.022	330	92780	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
85) Terphenyl-d14	12.616	244	857227	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.267	88	150000	50.00	ppb	100
3) Pyridine	2.604	79	364015	50.00	ppb	100
4) N-Nitrosodimethylamine	2.566	74	211282	50.00	ppb	100
6) Indene	4.914	116	781510	50.00	ppb	100
7) Cumene	4.117	105	1063630	50.00	ppb	100
9) Phenol	4.470	94	551441	50.00	ppb	100
10) Aniline	4.470	93	644864	50.00	ppb	100
11) bis(2-Chloroethyl)ether	4.513	93	367306	50.00	ppb	100
12) 2-Chlorophenol	4.567	128	478472	50.00	ppb	100
13) Decane	4.583	43	304592	50.00	ppb	100
14) 1,3-Dichlorobenzene	4.673	146	529527	50.00	ppb	100
15) 1,4-Dichlorobenzene	4.727	146	535877	50.00	ppb	100
16) Benzyl alcohol	4.829	108	293880	50.00	ppb	100
17) 1,2-Dichlorobenzene	4.845	146	496054	50.00	ppb	100
18) Acetophenone	5.032	105	615376	50.00	ppb	100
19) 2-Methylphenol	4.925	108	403092	50.00	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.920	121	157863	50.00	ppb	100
21) 3&4-Methylphenol	5.048	108	424531	50.00	ppb	100
22) n-Nitroso-di-n-propyla...	5.032	70	273854	50.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Hexachloroethane	5.117	201	162135	50.00	ppb	100
26) Nitrobenzene	5.176	77	429390	50.00	ppb	100
27) Quinoline	6.176	129	918994	50.00	ppb	100
28) Isophorone	5.380	82	734547	50.00	ppb	100
29) 2-Nitrophenol	5.454	139	265272	50.00	ppb	100
30) 2,4-Dimethylphenol	5.497	107	428764	50.00	ppb	100
31) Benzoic acid	5.626	105	354754	50.00	ppb	100
32) bis(2-Chloroethoxy)met...	5.567	93	417479	50.00	ppb	100
33) 2,4-Dichlorophenol	5.684	162	368184	50.00	ppb	100
34) 2,6-Dichlorophenol	5.898	162	366477	50.00	ppb	100
35) 1,3,5-Trichlorobenzene	5.460	180	403678	50.00	ppb	100
36) 1,2,4-Trichlorobenzene	5.754	180	382522	50.00	ppb	100
37) 1,2,3-Trichlorobenzene	5.973	180	378557	50.00	ppb	100
38) Naphthalene	5.829	128	1327656	50.00	ppb	100
39) 4-Chloroaniline	5.888	127	579314	50.00	ppb	100
40) 2,3-Dichloroaniline	6.904	161	458960	50.00	ppb	100
41) Caprolactam	6.267	55	135345	50.00	ppb	100
42) Hexachlorobutadiene	5.946	225	190271	50.00	ppb	100
43) 4-Chloro-3-methylphenol	6.417	107	379036	50.00	ppb	100
44) 2-Methylnaphthalene	6.562	141	794869	50.00	ppb	100
45) 1-Methylnaphthalene	6.679	141	805493	50.00	ppb	100
46) Dimethylnaphthalene	7.326	156	811060	50.00	ppb	100
48) Hexachlorocyclopentadiene	6.749	237	270285	100.00	ppb	100
49) 2,4,6-Trichlorophenol	6.915	196	238091	50.00	ppb	100
50) 2,4,5-Trichlorophenol	6.973	196	257499	50.00	ppb	100
52) 2-Chloronaphthalene	7.150	162	811617	50.00	ppb	100
53) Biphenyl	7.128	154	1099230	50.00	ppb	100
54) 2-Nitroaniline	7.294	65	214120	50.00	ppb	100
55) Dimethylphthalate	7.535	163	895761	50.00	ppb	100
56) Acenaphthylene	7.690	152	1346727	50.00	ppb	100
57) 2,6-Dinitrotoluene	7.621	165	226819	50.00	ppb	100
58) 3-Nitroaniline	7.851	138	257841	50.00	ppb	100
59) Acenaphthene	7.925	153	840280	50.00	ppb	100
60) 2,4-Dinitrophenol	8.016	184	261425	100.00	ppb	100
61) 4-Nitrophenol	8.150	109	110166	50.00	ppb	100
62) Dibenzofuran	8.171	168	1122512	50.00	ppb	100
63) 2,4-Dinitrotoluene	8.188	165	306191	50.00	ppb	100
64) 2,3,4,6-Tetrachlorophenol	8.369	232	189614	50.00	ppb	100
65) Diethylphthalate	8.530	149	887402	50.00	ppb	100
66) Fluorene	8.658	166	929896	50.00	ppb	100
67) 4-Chlorophenyl-phenyle...	8.669	204	399744	50.00	ppb	100
68) 4-Nitroaniline	8.728	138	261619	50.00	ppb	100
70) 4,6-Dinitro-2-methylph...	8.792	198	168273	50.00	ppb	100
71) n-Nitrosodiphenylamine	8.856	169	640366	50.00	ppb	100
72) 1,2-Diphenylhydrazine	8.904	77	814769	50.00	ppb	100
74) 4-Bromophenyl-phenylether	9.396	248	212707	50.00	ppb	100
75) Hexachlorobenzene	9.493	284	213567	50.00	ppb	100
76) Pentachlorophenol	9.814	266	266600	100.00	ppb	100
77) Phenanthrene	10.102	178	1270940	50.00	ppb	100
78) Anthracene	10.177	178	1317750	50.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

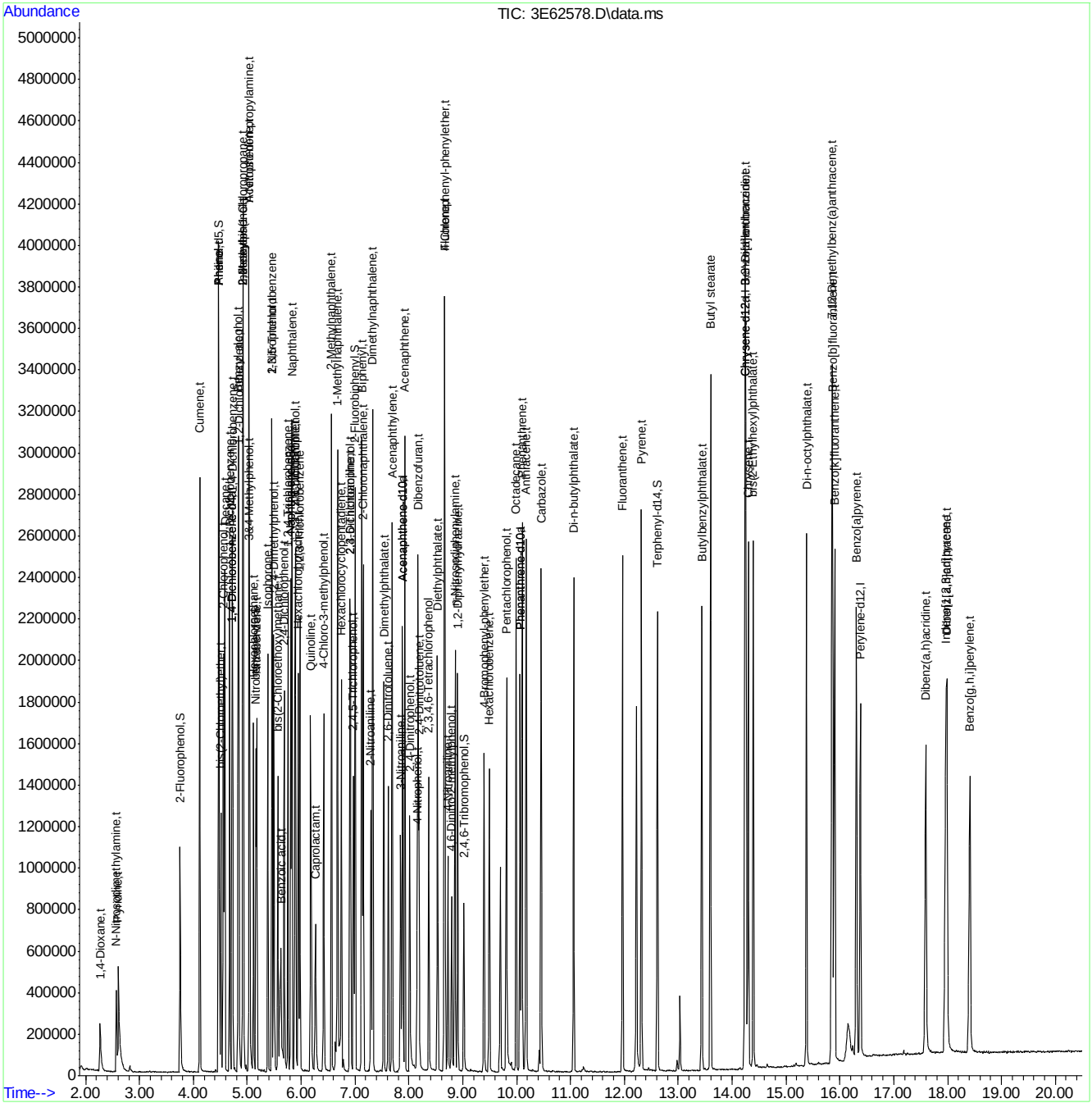
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	1244049	50.00	ppb	100
80) Di-n-butylphthalate	11.060	149	1503019	50.00	ppb	100
81) Fluoranthene	11.969	202	1278554	50.00	ppb	100
82) Octadecane	9.990	57	421729	50.00	ppb	100
84) Pyrene	12.317	202	1334265	50.00	ppb	100
86) Butylbenzylphthalate	13.440	149	665047	50.00	ppb	100
87) Butyl stearate	13.600	56	422657	50.00	ppb	100
88) Benzo[a]anthracene	14.248	228	1155326	50.00	ppb	100
89) 3,3'-Dichlorobenzidine	14.242	252	433623	50.00	ppb	100
90) Chrysene	14.301	228	1063359	50.00	ppb	100
91) bis(2-Ethylhexyl)phtha...	14.392	149	948939	50.00	ppb	100
93) Di-n-octylphthalate	15.381	149	1607370	50.00	ppb	100
94) Benzo[b]fluoranthene	15.868	252	1148694	50.00	ppb	100
95) Benzo[k]fluoranthene	15.906	252	1072959	50.00	ppb	100
96) Benzo[a]pyrene	16.307	252	996512	50.00	ppb	100
97) Indeno[1,2,3-cd]pyrene	17.965	276	1164074	50.00	ppb	100
98) Dibenz(a,h)acridine	17.596	279	872565	50.00	ppb	100
99) Dibenz[a,h]anthracene	17.992	278	974977	50.00	ppb	100
100) 7,12-Dimethylbenz(a)an...	15.857	256	581832	50.00	ppb	100
101) Benzo[g,h,i]perylene	18.419	276	920668	50.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62578.D
Acq On : 26 Jun 2014 10:49 pm
Operator : andrews1
Sample : icc2680-50
Misc : op75684,e3e2680,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 08:49:47 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/27/14 15:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	260172	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	973775	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	543114	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	837128	40.00	ppb	0.00
83) Chrysene-d12	14.258	240	767739	40.00	ppb	0.00
92) Perylene-d12	16.382	264	684735	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	260172	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	543114	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	837128	40.00	ppb	0.00
110) Chrysene-d12a	14.258	240	767739	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	973775	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.753	112	201075	25.20	ppb	0.00
Spiked Amount 50.000			Recovery = 50.40%			
8) Phenol-d5	4.459	99	256955	25.75	ppb	0.00
Spiked Amount 50.000			Recovery = 51.50%			
25) Nitrobenzene-d5	5.160	82	218035	26.79	ppb	0.00
Spiked Amount 50.000			Recovery = 53.58%			
51) 2-Fluorobiphenyl	7.000	172	453795	26.09	ppb	0.00
Spiked Amount 50.000			Recovery = 52.18%			
73) 2,4,6-Tribromophenol	9.022	330	47429	26.42	ppb	0.00
Spiked Amount 50.000			Recovery = 52.84%			
85) Terphenyl-d14	12.611	244	431513	25.70	ppb	0.00
Spiked Amount 50.000			Recovery = 51.40%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.272	88	78050	26.25	ppb	97
3) Pyridine	2.614	79	194944	27.02	ppb	93
4) N-Nitrosodimethylamine	2.571	74	106978	25.55	ppb	100
6) Indene	4.914	116	400230	25.84	ppb	100
7) Cumene	4.117	105	550797	26.13	ppb	100
9) Phenol	4.470	94	276271	25.28	ppb	94
10) Aniline	4.470	93	326617	25.55	ppb	99
11) bis(2-Chloroethyl)ether	4.513	93	189171	25.99	ppb	98
12) 2-Chlorophenol	4.566	128	242461	25.57	ppb	100
13) Decane	4.582	43	155953	25.83	ppb	98
14) 1,3-Dichlorobenzene	4.673	146	270524	25.78	ppb	96
15) 1,4-Dichlorobenzene	4.727	146	268878	25.32	ppb	98
16) Benzyl alcohol	4.829	108	145185	24.93	ppb	93
17) 1,2-Dichlorobenzene	4.845	146	256111	26.05	ppb	98
18) Acetophenone	5.032	105	312175	25.60	ppb	98
19) 2-Methylphenol	4.925	108	206366	25.83	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.919	121	81324	25.99	ppb	93
21) 3&4-Methylphenol	5.048	108	221653	26.34	ppb	95
22) n-Nitroso-di-n-propyla...	5.026	70	137376	25.31	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.117	201	83697	26.05	ppb		96
26) Nitrobenzene	5.176	77	216279	25.86	ppb		98
27) Quinoline	6.176	129	468510	26.18	ppb		98
28) Isophorone	5.374	82	372952	26.07	ppb		98
29) 2-Nitrophenol	5.454	139	132549	25.66	ppb		90
30) 2,4-Dimethylphenol	5.492	107	217211	26.01	ppb		99
31) Benzoic acid	5.604	105	170882	24.73	ppb		95
32) bis(2-Chloroethoxy)met...	5.561	93	213789	26.30	ppb		98
33) 2,4-Dichlorophenol	5.684	162	185201	25.83	ppb		99
34) 2,6-Dichlorophenol	5.893	162	187298	26.24	ppb		95
35) 1,3,5-Trichlorobenzene	5.460	180	206669	26.29	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	190699	25.60	ppb		98
37) 1,2,3-Trichlorobenzene	5.973	180	192820	26.16	ppb		99
38) Naphthalene	5.829	128	679796	26.29	ppb		99
39) 4-Chloroaniline	5.882	127	294456	26.10	ppb		97
40) 2,3-Dichloroaniline	6.904	161	228909	25.61	ppb		99
41) Caprolactam	6.246	55	67716	25.69	ppb		98
42) Hexachlorobutadiene	5.946	225	98958	26.71	ppb		99
43) 4-Chloro-3-methylphenol	6.417	107	192633m	26.10	ppb		
44) 2-Methylnaphthalene	6.561	141	402361	25.99	ppb		99
45) 1-Methylnaphthalene	6.674	141	405421	25.85	ppb		99
46) Dimethylnaphthalene	7.326	156	412661	26.13	ppb		97
48) Hexachlorocyclopentadiene	6.749	237	112684	43.01	ppb		97
49) 2,4,6-Trichlorophenol	6.915	196	118186	25.61	ppb		98
50) 2,4,5-Trichlorophenol	6.968	196	130300	26.10	ppb		97
52) 2-Chloronaphthalene	7.150	162	410015	26.06	ppb		100
53) Biphenyl	7.123	154	560056	26.28	ppb		99
54) 2-Nitroaniline	7.294	65	114262	27.53	ppb		97
55) Dimethylphthalate	7.530	163	459895	26.49	ppb		100
56) Acenaphthylene	7.685	152	679636	26.03	ppb		100
57) 2,6-Dinitrotoluene	7.615	165	112741	25.64	ppb		96
58) 3-Nitroaniline	7.845	138	130117	26.03	ppb		94
59) Acenaphthene	7.925	153	417761	25.65	ppb		95
60) 2,4-Dinitrophenol	8.011	184	114402	45.15	ppb		97
61) 4-Nitrophenol	8.155	109	53992	25.28	ppb	#	22
62) Dibenzofuran	8.166	168	578992	26.61	ppb		97
63) 2,4-Dinitrotoluene	8.187	165	150608	25.37	ppb		92
64) 2,3,4,6-Tetrachlorophenol	8.369	232	94254	25.64	ppb		97
65) Diethylphthalate	8.530	149	451413	26.24	ppb		99
66) Fluorene	8.658	166	471332	26.15	ppb		99
67) 4-Chlorophenyl-phenyle...	8.669	204	203516	26.26	ppb		97
68) 4-Nitroaniline	8.722	138	125410	24.73	ppb		96
70) 4,6-Dinitro-2-methylph...	8.787	198	77951	23.94	ppb	#	83
71) n-Nitrosodiphenylamine	8.851	169	324264	26.17	ppb		100
72) 1,2-Diphenylhydrazine	8.904	77	413682	26.24	ppb		96
74) 4-Bromophenyl-phenylether	9.391	248	106637	25.91	ppb		96
75) Hexachlorobenzene	9.493	284	108784	26.33	ppb		98
76) Pentachlorophenol	9.808	266	125043	48.49	ppb		98
77) Phenanthrene	10.097	178	648952	26.39	ppb		99
78) Anthracene	10.177	178	673411	26.41	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration

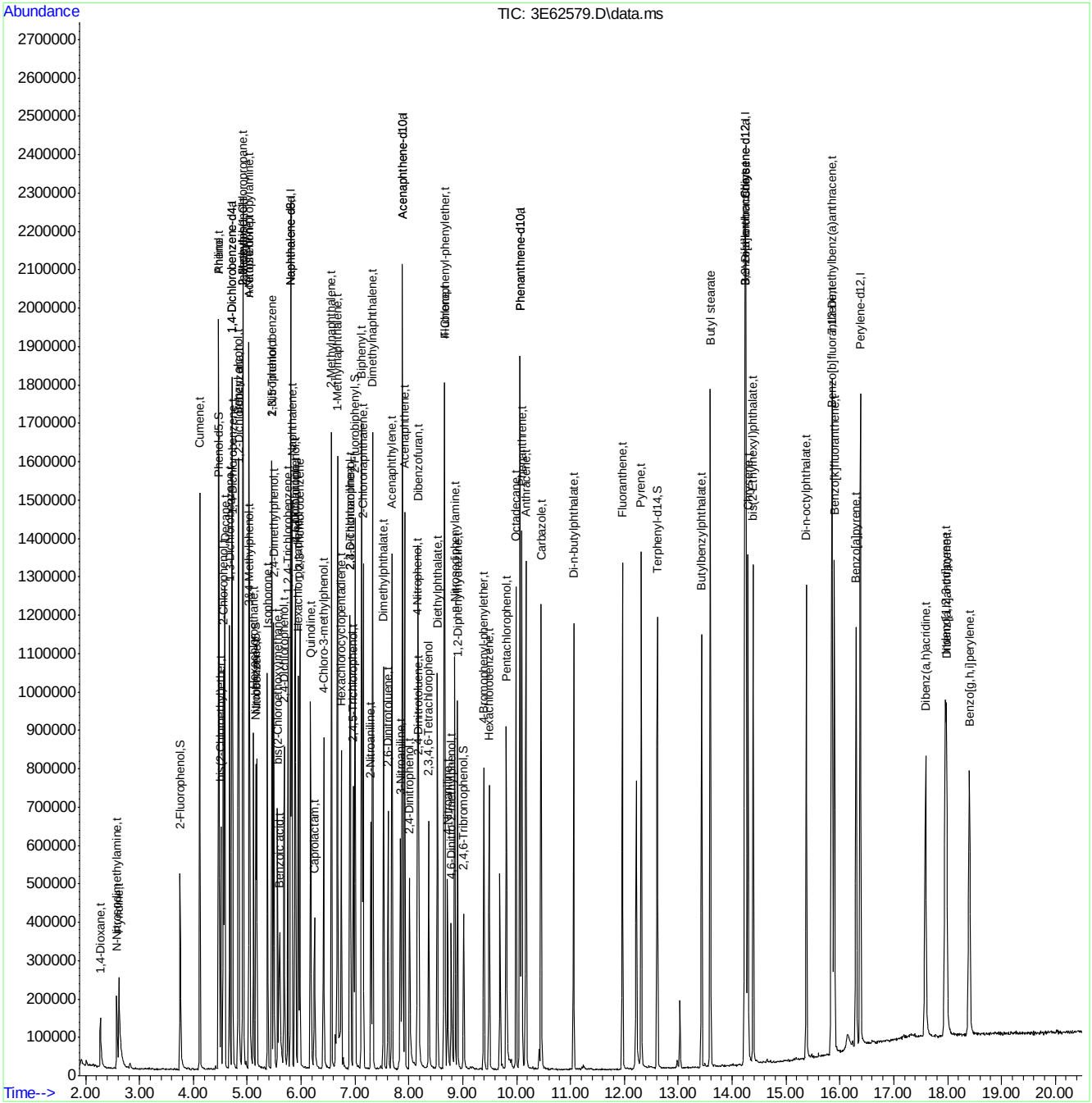
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.455	167	633965	26.34	ppb	98
80) Di-n-butylphthalate	11.060	149	754356	25.94	ppb	99
81) Fluoranthene	11.964	202	649291	26.25	ppb	99
82) Octadecane	9.990	57	216925	26.59	ppb	99
84) Pyrene	12.317	202	690688	26.43	ppb	98
86) Butylbenzylphthalate	13.434	149	328749	25.24	ppb	98
87) Butyl stearate	13.595	56	211958	25.60	ppb	94
88) Benzo[a]anthracene	14.242	228	589009	26.03	ppb	97
89) 3,3'-Dichlorobenzidine	14.237	252	215655	25.39	ppb	97
90) Chrysene	14.296	228	546913	26.26	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.392	149	472704	25.43	ppb	97
93) Di-n-octylphthalate	15.376	149	801927	25.16	ppb	99
94) Benzo[b]fluoranthene	15.863	252	583653	25.63	ppb	97
95) Benzo[k]fluoranthene	15.895	252	551726	25.93	ppb	99
96) Benzo[a]pyrene	16.307	252	515020	26.07	ppb	97
97) Indeno[1,2,3-cd]pyrene	17.954	276	594845	25.77	ppb	98
98) Dibenz(a,h)acridine	17.590	279	445904	25.77	ppb	99
99) Dibenz[a,h]anthracene	17.981	278	493047	25.51	ppb	98
100) 7,12-Dimethylbenz(a)an...	15.847	256	291490	25.27	ppb	97
101) Benzo[g,h,i]perylene	18.403	276	471102	25.81	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

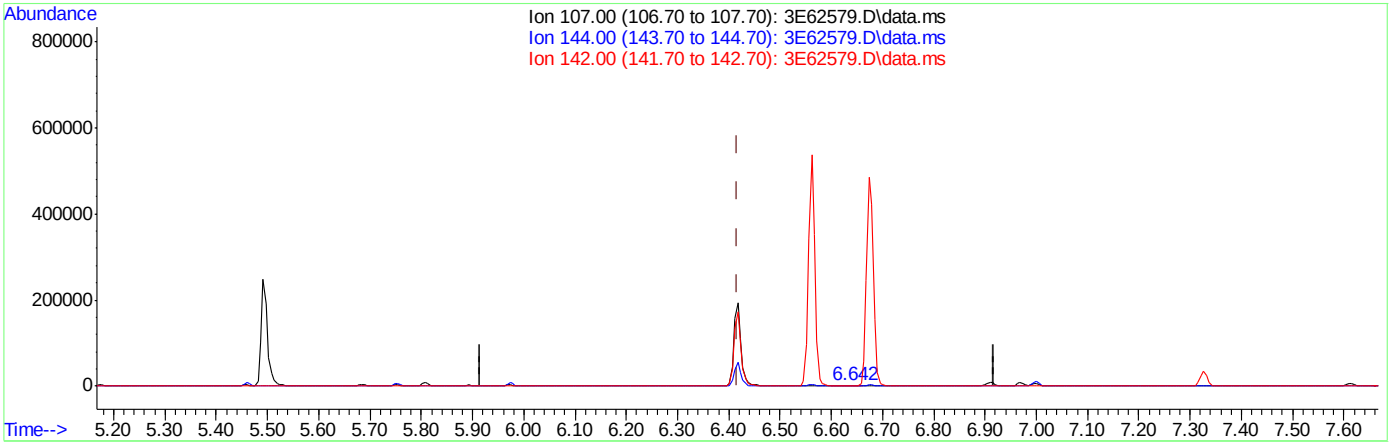
Sample Number:	E3E2680-IC2680	**Method:**	SW846 8270D
Lab FileID:	3E62579.D	**Analyst approved:**	06/27/14 10:11 Nina Pandya
Injection Time:	06/26/14 23:16	**Supervisor approved:**	06/27/14 15:27 Nina Pandya

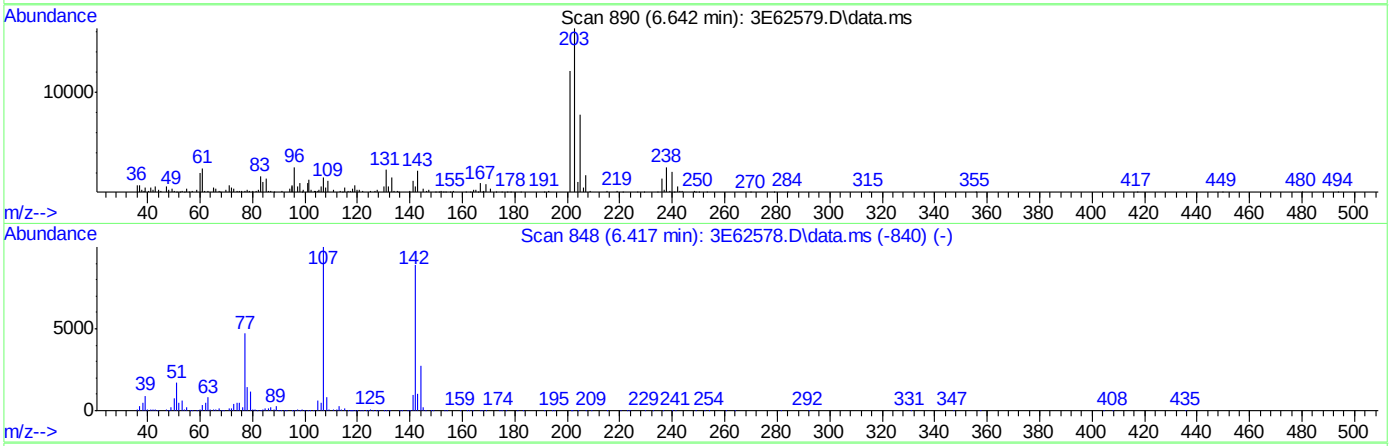
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.42	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 08:50:42 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration





TIC: 3E62579.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.642min (+0.225) 0.33ppb

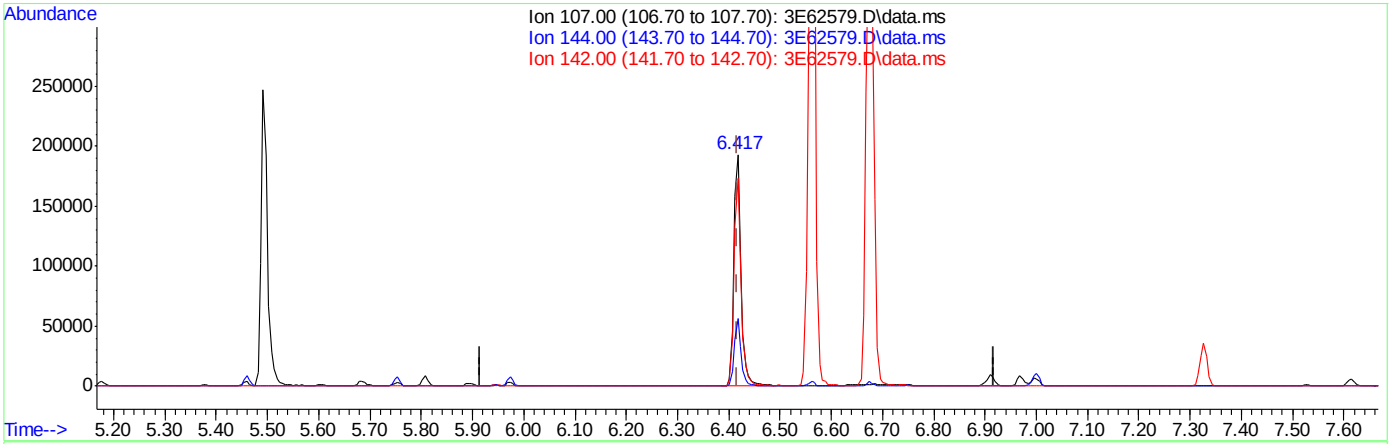
response 2429

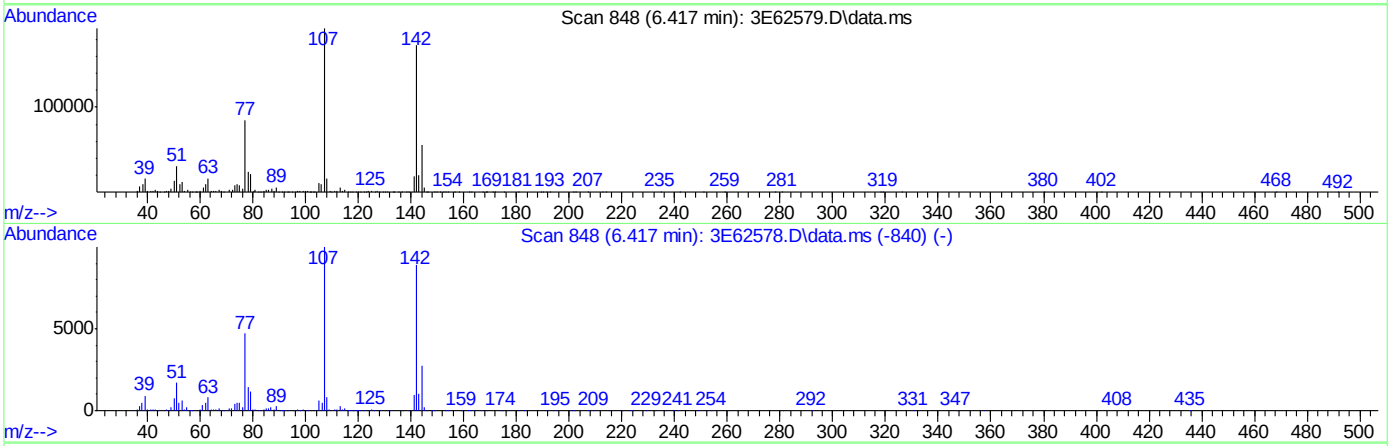
Ion	Exp%	Act%
107.00	100	100
144.00	26.50	0.00
142.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2680\
Data File : 3E62579.D
Acq On : 26 Jun 2014 11:16 pm
Operator : andrews1
Sample : ic2680-25
Misc : op75684,e3e2680,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 09:20:00 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 08:48:50 2014
QLast Update : Fri Jun 27 08:48:50 2014
Response via : Initial Calibration





TIC: 3E62579.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.417min (-0.000) 26.10ppb m

response 192633

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	29.02
142.00	0.00	89.63#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62582.D
Acq On : 27 Jun 2014 9:29 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,acid
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 11:32:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	325076	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1195216	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	650509	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	945033	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	799949	40.00	ppb	0.00
92) Perylene-d12	16.382	264	725596	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	325076	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	650509	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	945033	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	799949	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1195216	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	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%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Phenol	4.470	94	619952	41.44	ppb #	61
12) 2-Chlorophenol	4.561	128	566257	44.80	ppb	93
19) 2-Methylphenol	4.919	108	477049	46.73	ppb	99
21) 3&4-Methylphenol	5.043	108	492298	45.45	ppb	100
29) 2-Nitrophenol	5.449	139	319018	46.67	ppb	81
30) 2,4-Dimethylphenol	5.492	107	529092	53.69	ppb	95
31) Benzoic acid	5.636	105	369257	44.62	ppb	96
33) 2,4-Dichlorophenol	5.679	162	441891	46.96	ppb	97
34) 2,6-Dichlorophenol	5.893	162	433192	45.82	ppb	97
43) 4-Chloro-3-methylphenol	6.406	107	451433	45.42	ppb #	98
49) 2,4,6-Trichlorophenol	6.909	196	285024	48.35	ppb	95
50) 2,4,5-Trichlorophenol	6.963	196	295314	47.95	ppb	98
60) 2,4-Dinitrophenol	8.011	184	115795	39.47	ppb	95
61) 4-Nitrophenol	8.145	109	120338	45.10	ppb	89
64) 2,3,4,6-Tetrachlorophenol	8.369	232	211827	45.84	ppb	98
70) 4,6-Dinitro-2-methylph...	8.787	198	171060	47.23	ppb #	80
76) Pentachlorophenol	9.808	266	146342	51.84	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62582.D
Acq On : 27 Jun 2014 9:29 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,acid
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 11:32:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

9.6.20

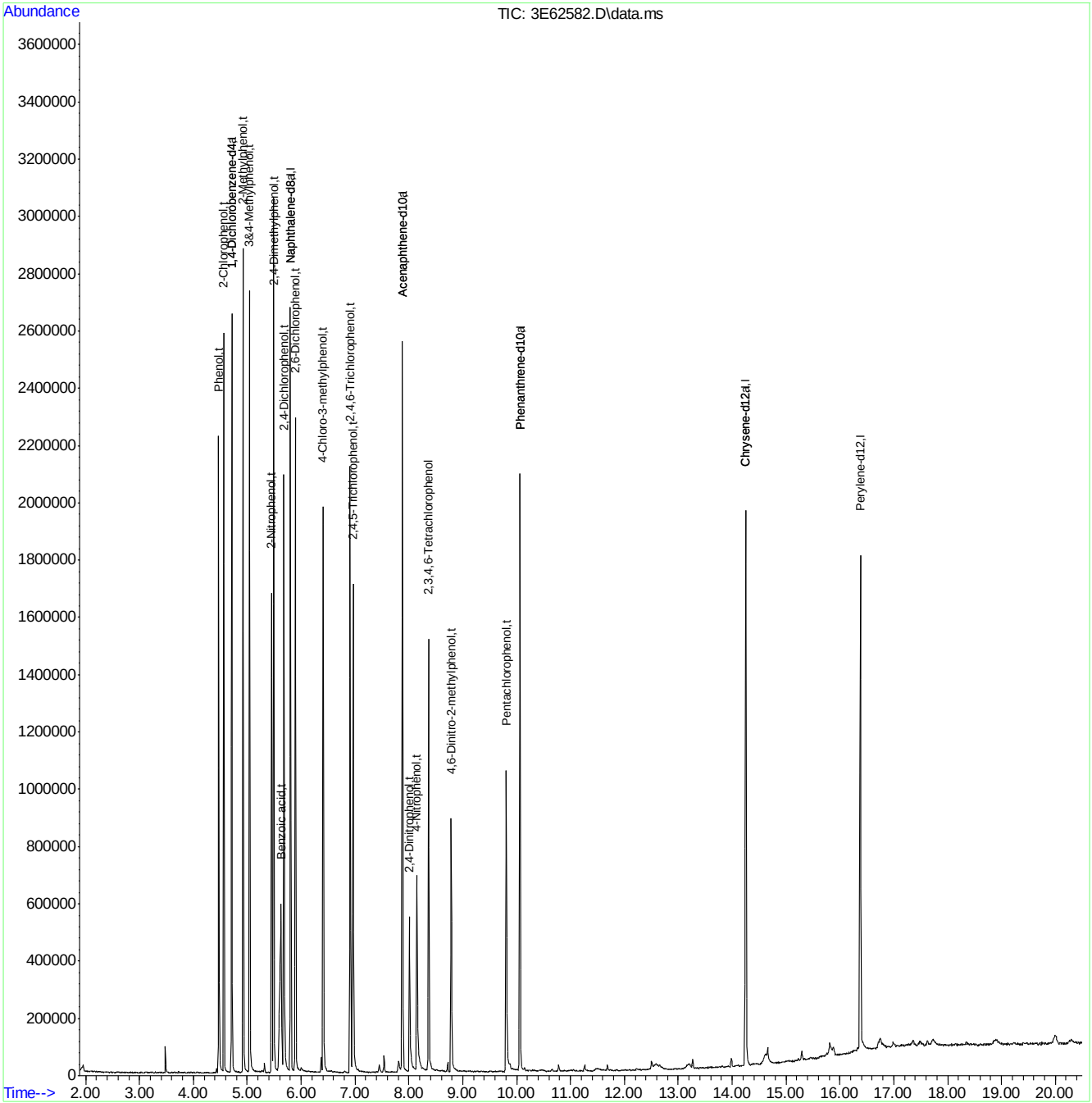
9

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62582.D
Acq On : 27 Jun 2014 9:29 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,acid
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 11:32:07 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62584.D
Acq On : 27 Jun 2014 10:23 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,bn2
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 11:39:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

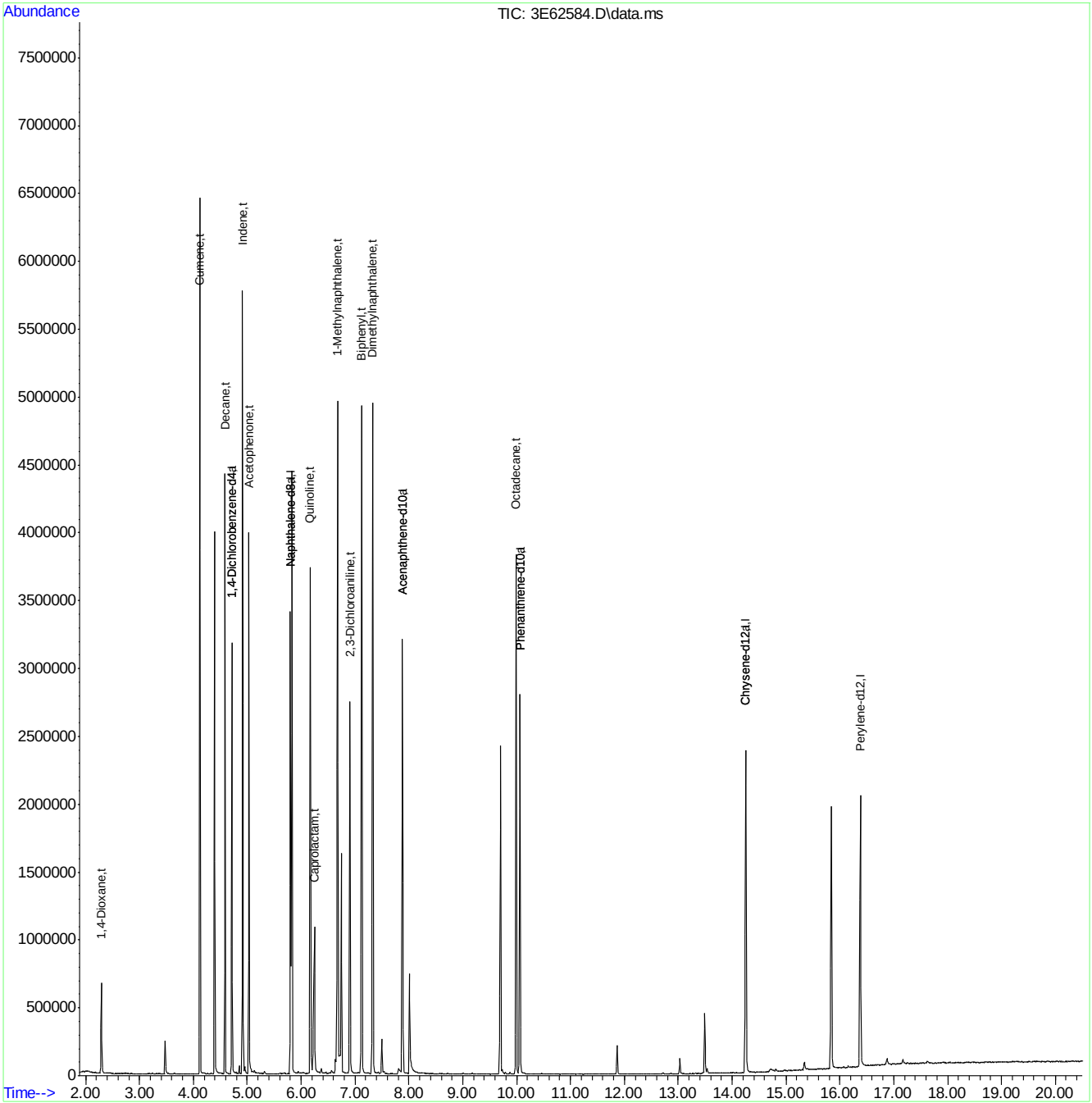
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	436731	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1642591	40.00	ppb	0.00
47) Acenaphthene-d10	7.883	164	875871	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	1267355	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	1030662	40.00	ppb	0.00
92) Perylene-d12	16.382	264	839910	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	436731	40.00	ppb	0.00
104) Acenaphthene-d10a	7.883	164	875871	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	1267355	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	1030662	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1642591	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	0d	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%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.288	88	266979	50.21	ppb	100
6) Indene	4.914	116	1397288	49.50	ppb	98
7) Cumene	4.117	105	1845593	48.36	ppb	97
13) Decane	4.588	43	543718	47.94	ppb	96
18) Acetophenone	5.032	105	1048280	47.37	ppb	98
27) Quinoline	6.171	129	1533167	46.95	ppb	98
40) 2,3-Dichloroaniline	6.904	161	645497	40.13	ppb	97
41) Caprolactam	6.246	55	210486	44.90	ppb	97
45) 1-Methylnaphthalene	6.679	141	1325885	46.00	ppb	99
46) Dimethylnaphthalene	7.326	156	1345866	47.10	ppb	99
53) Biphenyl	7.123	154	1816287	48.95	ppb	98
82) Octadecane	9.990	57	704413	53.19	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62584.D
Acq On : 27 Jun 2014 10:23 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,bn2
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 11:39:02 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



M3E2680.M Fri Jun 27 13:57:21 2014 MS3E Page: 2

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62585.D
Acq On : 27 Jun 2014 10:50 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,aniline
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 11:40:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

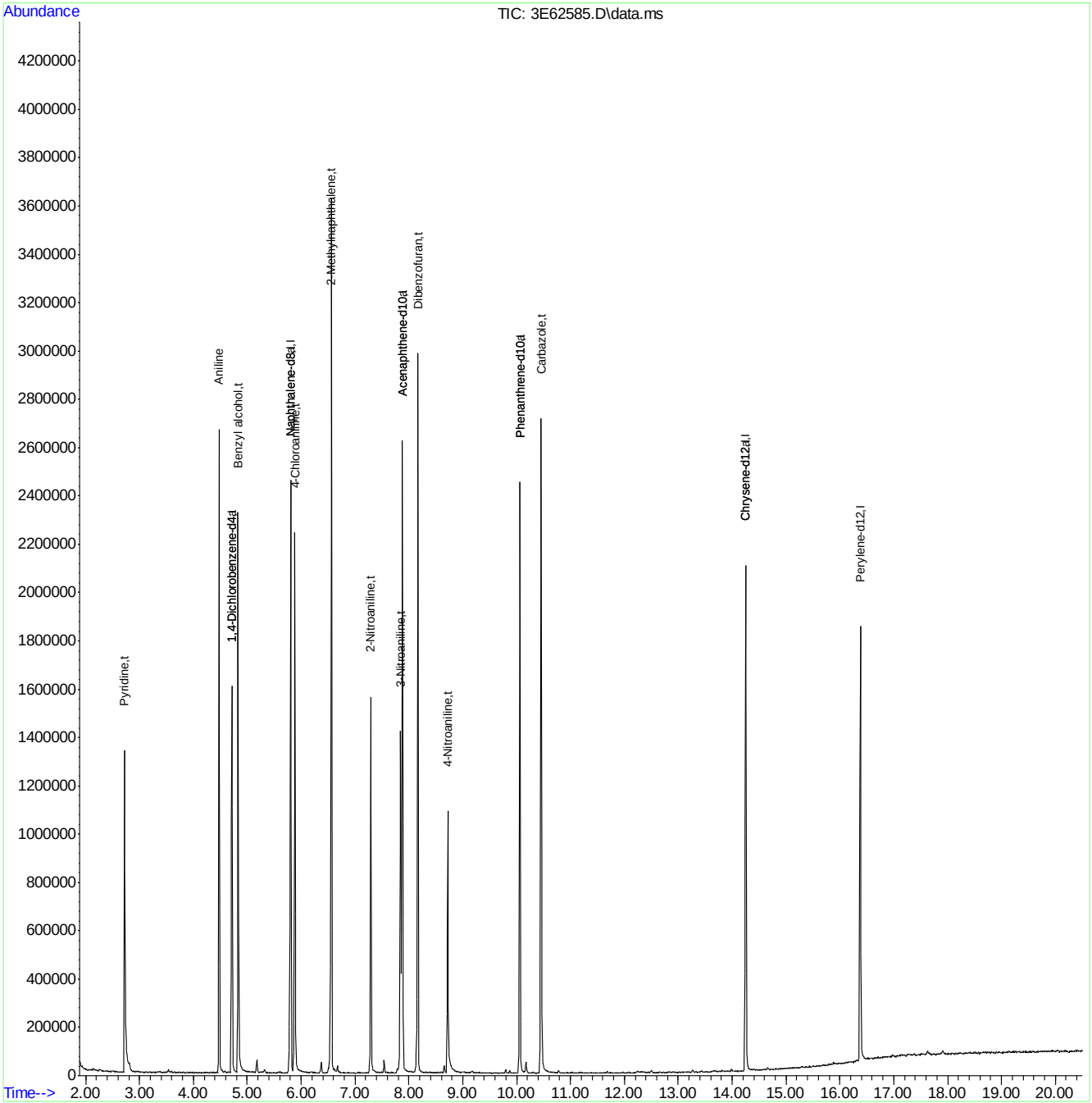
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.716	152	328601	40.00	ppb	0.00
24) Naphthalene-d8	5.807	136	1315344	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	724198	40.00	ppb	0.00
69) Phenanthrene-d10	10.059	188	1070676	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	871025	40.00	ppb	0.00
92) Perylene-d12	16.381	264	757277	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.716	152	328601	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	724198	40.00	ppb	0.00
106) Phenanthrene-d10a	10.059	188	1070676	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	871025	40.00	ppb	0.00
112) Naphthalene-d8a	5.807	136	1315344	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	0d	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%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.721	79	574131	58.62	ppb	96
10) Aniline	4.475	93	874931	55.37	ppb	68
16) Benzyl alcohol	4.834	108	392501	50.00	ppb	99
39) 4-Chloroaniline	5.882	127	741099	47.23	ppb	97
44) 2-Methylnaphthalene	6.561	141	1057826	47.06	ppb	97
54) 2-Nitroaniline	7.294	65	276045	43.99	ppb	99
58) 3-Nitroaniline	7.845	138	311598	44.79	ppb	95
62) Dibenzofuran	8.166	168	1485019	47.00	ppb	99
68) 4-Nitroaniline	8.722	138	294804	42.94	ppb	95
79) Carbazole	10.455	167	1472992	44.82	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62585.D
Acq On : 27 Jun 2014 10:50 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,aniline
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 11:40:28 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62586.D
Acq On : 27 Jun 2014 11:16 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,surr
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 11:41:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	380866	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1370449	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	739349	40.00	ppb	0.00
69) Phenanthrene-d10	10.060	188	1080814	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	910017	40.00	ppb	0.00
92) Perylene-d12	16.382	264	788699	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	380866	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	739349	40.00	ppb	0.00
106) Phenanthrene-d10a	10.060	188	1080814	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	910017	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1370449	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.754	112	516081	41.74	ppb	0.00
Spiked Amount 50.000			Recovery = 83.48%			
8) Phenol-d5	4.460	99	601625	39.03	ppb	0.00
Spiked Amount 50.000			Recovery = 78.06%			
25) Nitrobenzene-d5	5.155	82	526444	42.50	ppb	0.00
Spiked Amount 50.000			Recovery = 85.00%			
51) 2-Fluorobiphenyl	7.000	172	1035395	41.63	ppb	0.00
Spiked Amount 50.000			Recovery = 83.26%			
73) 2,4,6-Tribromophenol	9.017	330	101447	42.17	ppb	0.00
Spiked Amount 50.000			Recovery = 84.34%			
85) Terphenyl-d14	12.611	244	894835	44.17	ppb	0.00
Spiked Amount 50.000			Recovery = 88.34%			
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

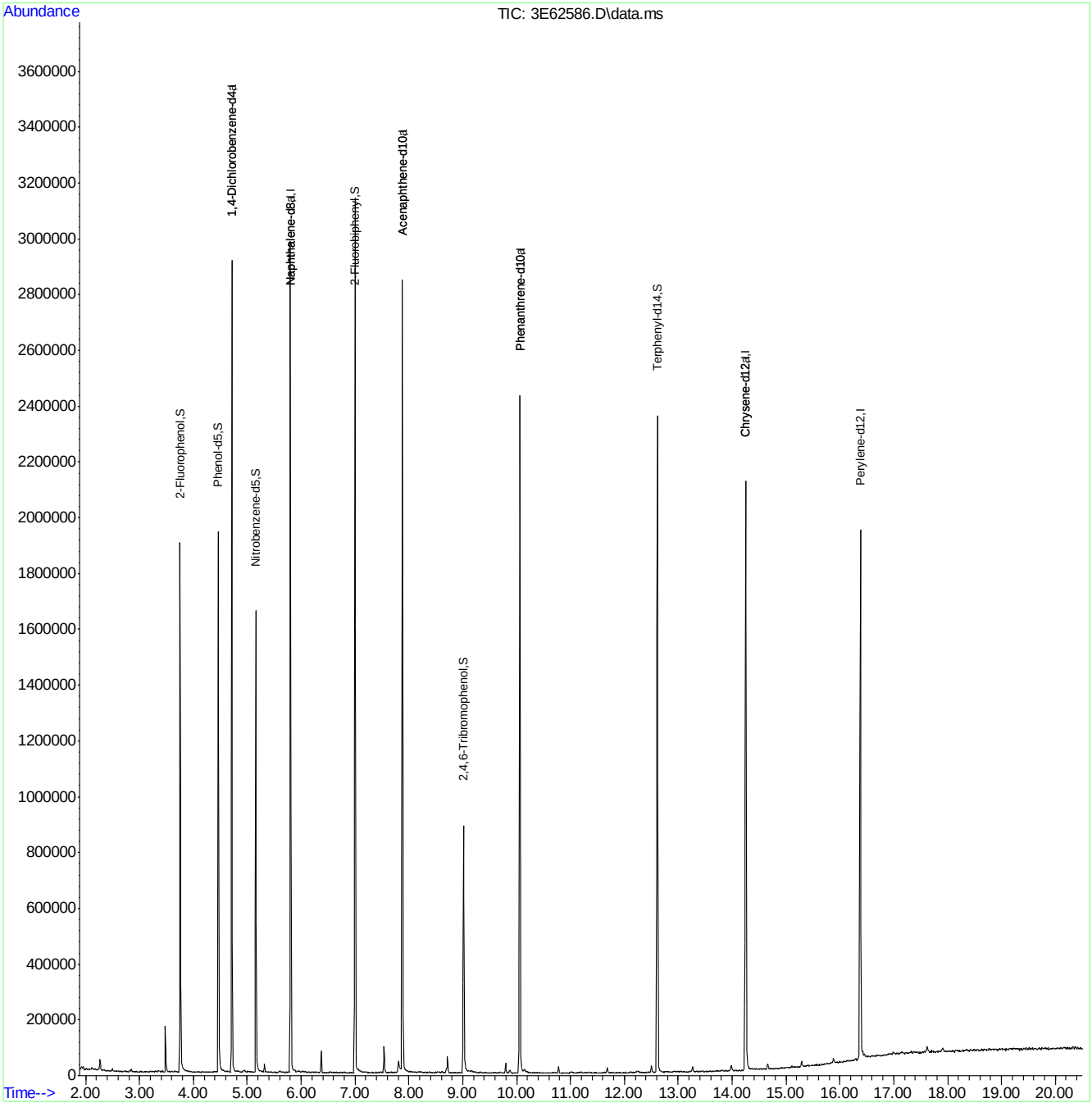
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62586.D
Acq On : 27 Jun 2014 11:16 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,surr
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 11:41:12 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



9.6.23
9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62587.D
Acq On : 27 Jun 2014 11:43 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 12:11:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

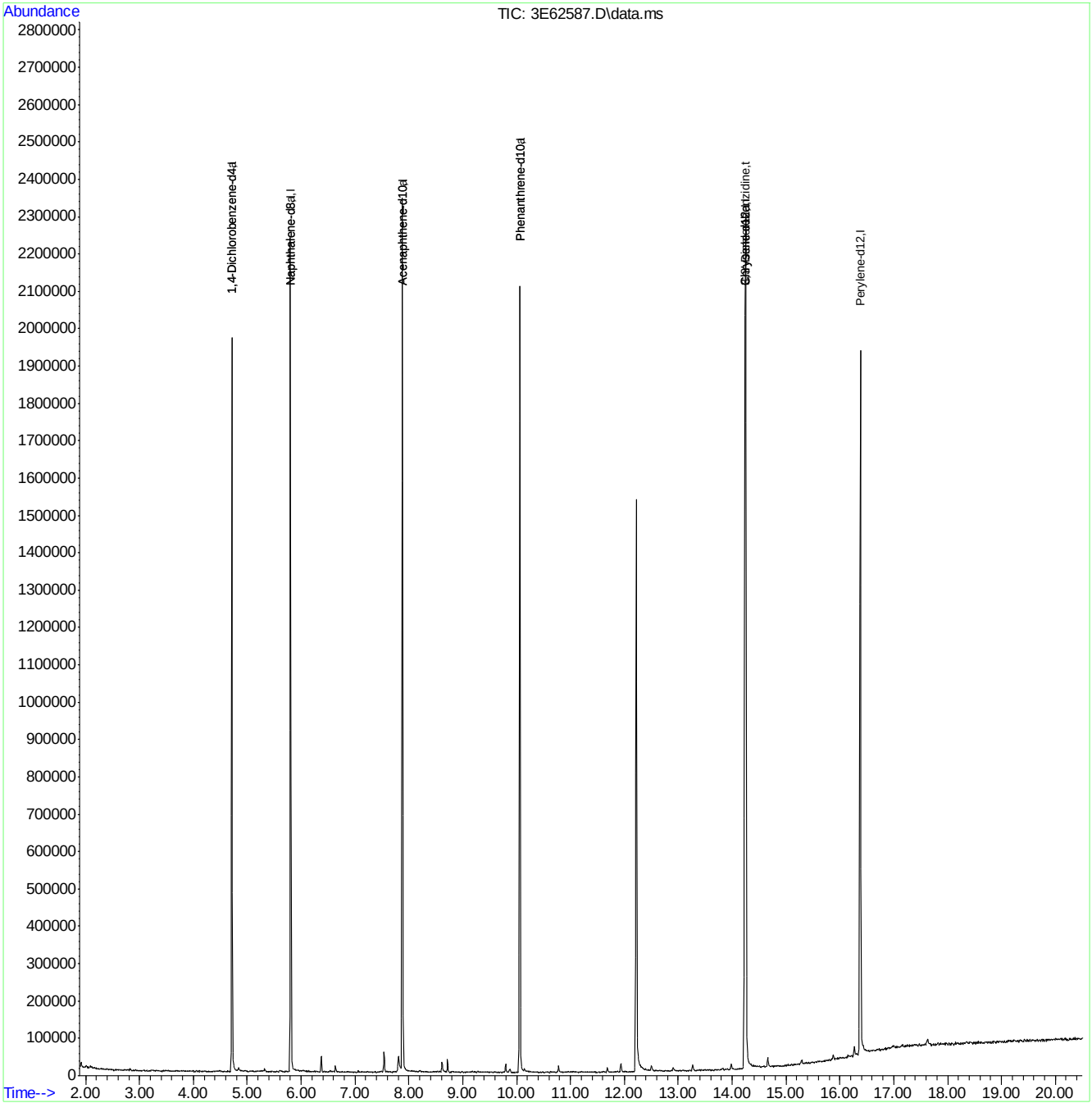
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	275456	40.00	ppb	0.00
24) Naphthalene-d8	5.802	136	1044355	40.00	ppb	0.00
47) Acenaphthene-d10	7.877	164	591564	40.00	ppb	0.00
69) Phenanthrene-d10	10.059	188	908886	40.00	ppb	0.00
83) Chrysene-d12	14.253	240	881051	40.00	ppb	0.00
92) Perylene-d12	16.381	264	801058	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	275456	40.00	ppb	0.00
104) Acenaphthene-d10a	7.877	164	591564	40.00	ppb	0.00
106) Phenanthrene-d10a	10.059	188	908886	40.00	ppb	0.00
110) Chrysene-d12a	14.253	240	881051	40.00	ppb	0.00
112) Naphthalene-d8a	5.802	136	1044355	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	0d	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%		
108) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	14.237	252	413592	42.44	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62587.D
Acq On : 27 Jun 2014 11:43 am
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 12:11:48 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62588.D
Acq On : 27 Jun 2014 12:13 pm
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 12:45:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.711	152	397302	40.00	ppb		0.00
24) Naphthalene-d8	5.807	136	1408985	40.00	ppb		0.00
47) Acenaphthene-d10	7.877	164	744915	40.00	ppb		0.00
69) Phenanthrene-d10	10.059	188	1081220	40.00	ppb		0.00
83) Chrysene-d12	14.258	240	943926	40.00	ppb		0.00
92) Perylene-d12	16.382	264	787917	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.711	152	397302	40.00	ppb		0.00
104) Acenaphthene-d10a	7.877	164	744915	40.00	ppb		0.00
106) Phenanthrene-d10a	10.059	188	1081220	40.00	ppb		0.00
110) Chrysene-d12a	14.258	240	943926	40.00	ppb		0.00
112) Naphthalene-d8a	5.807	136	1408985	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	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	0d	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
4) N-Nitrosodimethylamine	2.582	74	291576	43.73	ppb		96
11) bis(2-Chloroethyl)ether	4.508	93	510636	43.13	ppb		97
14) 1,3-Dichlorobenzene	4.668	146	704372	40.77	ppb		98
15) 1,4-Dichlorobenzene	4.727	146	698612	40.34	ppb		98
17) 1,2-Dichlorobenzene	4.845	146	650421	39.65	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.919	121	211247	40.28	ppb	#	76
22) n-Nitroso-di-n-propyla...	5.026	70	353945	40.47	ppb		97
23) Hexachloroethane	5.112	201	217390	41.16	ppb		90
26) Nitrobenzene	5.176	77	530288	40.45	ppb		96
28) Isophorone	5.374	82	899918	40.18	ppb		99
32) bis(2-Chloroethoxy)met...	5.561	93	568296	45.09	ppb		99
36) 1,2,4-Trichlorobenzene	5.754	180	482925	41.62	ppb		98
38) Naphthalene	5.829	128	1650913	40.63	ppb		99
42) Hexachlorobutadiene	5.946	225	251867	41.95	ppb		98
48) Hexachlorocyclopentadiene	6.749	237	129349	38.17	ppb		97
52) 2-Chloronaphthalene	7.150	162	970190	41.56	ppb		98
55) Dimethylphthalate	7.530	163	1056155	41.79	ppb		99
56) Acenaphthylene	7.685	152	1333211	35.37	ppb		99
57) 2,6-Dinitrotoluene	7.615	165	248498	38.77	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62588.D
Acq On : 27 Jun 2014 12:13 pm
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 12:45:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Acenaphthene	7.925	153	1027992	42.73	ppb	98
63) 2,4-Dinitrotoluene	8.187	165	320604	37.68	ppb	99
65) Diethylphthalate	8.530	149	1042280	41.04	ppb	99
66) Fluorene	8.658	166	1099205	41.71	ppb	99
67) 4-Chlorophenyl-phenyle...	8.669	204	491006	43.18	ppb	100
71) n-Nitrosodiphenylamine	8.851	169	726671	42.93	ppb	99
72) 1,2-Diphenylhydrazine	8.904	77	954156	44.58	ppb	99
74) 4-Bromophenyl-phenylether	9.396	248	250706	44.61	ppb	96
75) Hexachlorobenzene	9.493	284	243568	41.76	ppb	98
77) Phenanthrene	10.097	178	1413293	41.49	ppb	98
78) Anthracene	10.177	178	1443250	41.70	ppb	99
80) Di-n-butylphthalate	11.060	149	1660850	43.16	ppb	99
81) Fluoranthene	11.964	202	1405084	41.28	ppb	98
84) Pyrene	12.317	202	1426824	42.61	ppb	99
86) Butylbenzylphthalate	13.440	149	703861	43.42	ppb	99
88) Benzo[a]anthracene	14.242	228	1200604	40.31	ppb	99
90) Chrysene	14.301	228	1161559	42.96	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.392	149	995922	43.19	ppb	100
93) Di-n-octylphthalate	15.381	149	1663495	43.24	ppb	100
94) Benzo[b]fluoranthene	15.863	252	1114215	39.77	ppb	98
95) Benzo[k]fluoranthene	15.900	252	1096431	41.12	ppb	99
96) Benzo[a]pyrene	16.307	252	1021098	42.03	ppb	99
97) Indeno[1,2,3-cd]pyrene	17.965	276	1149925	40.08	ppb	99
99) Dibenz[a,h]anthracene	17.986	278	983990	40.93	ppb	99
101) Benzo[g,h,i]perylene	18.414	276	957204	41.74	ppb	99

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

9.6.25

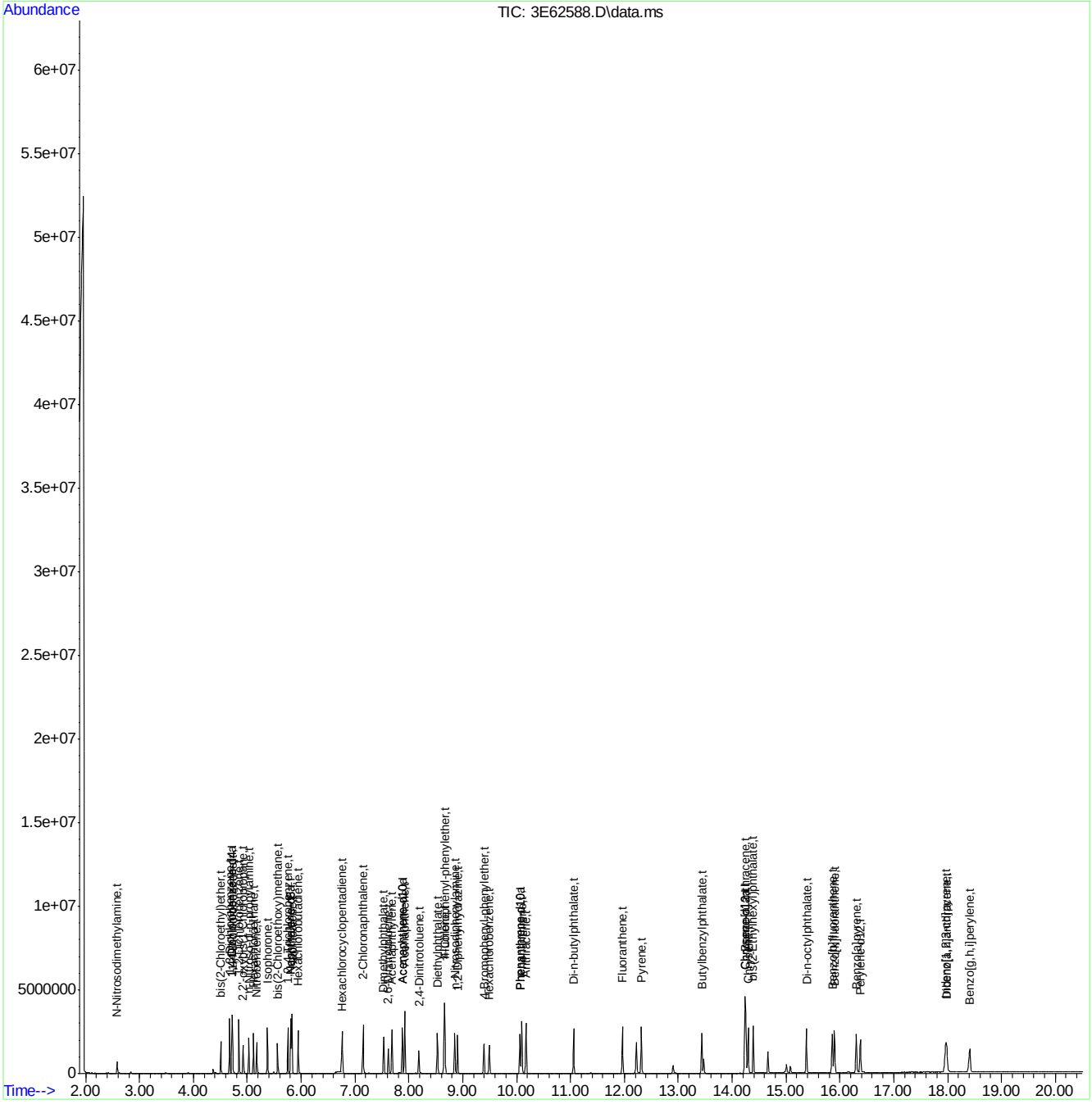
9

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2681\
Data File : 3E62588.D
Acq On : 27 Jun 2014 12:13 pm
Operator : saumilp
Sample : icv2680-50
Misc : op75684,e3e2681,ben
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 12:45:29 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoFri Jun 27 11:26:05 2014
QLast Update : Fri Jun 27 11:26:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES
JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/07/14 17:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62849.D
Acq On : 5 Jul 2014 8:38 am
Operator : harpreek
Sample : cc2680-25
Misc : op75684,e3e2692
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 09:20:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jul 03 11:45:03 2014
QLast Update : Thu Jul 03 11:45:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.668	152	187376	40.00	ppb		-0.04
24) Naphthalene-d8	5.748	136	706556	40.00	ppb		-0.06
47) Acenaphthene-d10	7.808	164	432821	40.00	ppb		-0.08
69) Phenanthrene-d10	9.990	188	744679	40.00	ppb		-0.08
83) Chrysene-d12	14.183	240	747974	40.00	ppb		-0.08
92) Perylene-d12	16.312	264	666820	40.00	ppb		-0.07
102) 1,4-Dichlorobenzene-d4a	4.668	152	187376	40.00	ppb		-0.04
104) Acenaphthene-d10a	7.808	164	432821	40.00	ppb		-0.08
106) Phenanthrene-d10a	9.990	188	744679	40.00	ppb		-0.08
110) Chrysene-d12a	14.183	240	747974	40.00	ppb		-0.08
112) Naphthalene-d8a	5.748	136	706556	40.00	ppb		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	3.711	112	134729	22.15	ppb		-0.04
Spiked Amount 50.000			Recovery = 44.30%				
8) Phenol-d5	4.427	99	170252	22.45	ppb		-0.04
Spiked Amount 50.000			Recovery = 44.90%				
25) Nitrobenzene-d5	5.112	82	158707	24.85	ppb		-0.05
Spiked Amount 50.000			Recovery = 49.70%				
51) 2-Fluorobiphenyl	6.936	172	321179	22.06	ppb		-0.06
Spiked Amount 50.000			Recovery = 44.12%				
73) 2,4,6-Tribromophenol	8.952	330	40656	24.53	ppb		-0.07
Spiked Amount 50.000			Recovery = 49.06%				
85) Terphenyl-d14	12.536	244	356705	21.42	ppb		-0.08
Spiked Amount 50.000			Recovery = 42.84%				
108) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
109) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.202	88	65246	28.60	ppb		96
3) Pyridine	2.550	79	155592	27.86	ppb		96
4) N-Nitrosodimethylamine	2.518	74	86777	27.59	ppb		91
6) Indene	4.866	116	319809	26.41	ppb		96
7) Cumene	4.064	105	444877	27.17	ppb		94
9) Phenol	4.433	94	202161	23.44	ppb		96
10) Aniline	4.427	93	174030	19.32	ppb		92
11) bis(2-Chloroethyl)ether	4.465	93	132807	23.79	ppb		91
12) 2-Chlorophenol	4.524	128	160622	22.05	ppb		95
13) Decane	4.534	43	137084	28.17	ppb		98
14) 1,3-Dichlorobenzene	4.625	146	182753	22.43	ppb		97
15) 1,4-Dichlorobenzene	4.679	146	188150	23.04	ppb		98
16) Benzyl alcohol	4.786	108	99550	22.24	ppb	#	76
17) 1,2-Dichlorobenzene	4.796	146	176096	22.76	ppb		98
18) Acetophenone	4.989	105	254643	26.82	ppb		92
19) 2-Methylphenol	4.882	108	136164	23.14	ppb		100
20) 2,2'-oxybis(1-Chloropr...	4.871	121	54720	22.12	ppb	#	75
21) 3&4-Methylphenol	5.010	108	143328	22.95	ppb		99
22) n-Nitroso-di-n-propyla...	4.984	70	109711	26.60	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62849.D
Acq On : 5 Jul 2014 8:38 am
Operator : harpreek
Sample : cc2680-25
Misc : op75684,e3e2692
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 09:20:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jul 03 11:45:03 2014
QLast Update : Thu Jul 03 11:45:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
23) Hexachloroethane	5.064	201	63229	25.39	ppb		96
26) Nitrobenzene	5.128	77	172810	26.29	ppb		88
27) Quinoline	6.123	129	345538	24.60	ppb		94
28) Isophorone	5.326	82	265879	23.67	ppb		93
29) 2-Nitrophenol	5.406	139	91716	22.70	ppb	#	33
30) 2,4-Dimethylphenol	5.449	107	138631	23.80	ppb		92
31) Benzoic acid	5.577	105	122228	24.98	ppb		88
32) bis(2-Chloroethoxy)met...	5.513	93	143987	22.78	ppb		98
33) 2,4-Dichlorophenol	5.641	162	129812	23.34	ppb		94
34) 2,6-Dichlorophenol	5.845	162	129706	23.21	ppb		97
35) 1,3,5-Trichlorobenzene	5.406	180	173905	27.45	ppb		97
36) 1,2,4-Trichlorobenzene	5.700	180	142816	24.55	ppb		100
37) 1,2,3-Trichlorobenzene	5.920	180	164823	28.62	ppb		98
38) Naphthalene	5.770	128	472234	23.18	ppb		99
39) 4-Chloroaniline	5.834	127	177211	21.03	ppb		93
40) 2,3-Dichloroaniline	6.840	161	181232	26.19	ppb		93
41) Caprolactam	6.203	55	56341	27.94	ppb		90
42) Hexachlorobutadiene	5.887	225	83279	27.66	ppb		100
43) 4-Chloro-3-methylphenol	6.369	107	143684m	24.46	ppb		
44) 2-Methylnaphthalene	6.503	141	283485	23.48	ppb		96
45) 1-Methylnaphthalene	6.615	141	319906	25.80	ppb		97
46) Dimethylnaphthalene	7.262	156	337672	27.47	ppb		97
48) Hexachlorocyclopentadiene	6.684	237	62262	33.24	ppb		93
49) 2,4,6-Trichlorophenol	6.856	196	90602	23.10	ppb		95
50) 2,4,5-Trichlorophenol	6.920	196	93273	22.76	ppb		93
52) 2-Chloronaphthalene	7.086	162	290686	21.43	ppb		98
53) Biphenyl	7.059	154	455770	24.86	ppb		99
54) 2-Nitroaniline	7.235	65	97309	25.95	ppb		81
55) Dimethylphthalate	7.465	163	336234	22.90	ppb		99
56) Acenaphthylene	7.620	152	478558	21.85	ppb		99
57) 2,6-Dinitrotoluene	7.556	165	78481	21.08	ppb		82
58) 3-Nitroaniline	7.792	138	88337	21.25	ppb		90
59) Acenaphthene	7.856	153	306626	21.93	ppb		97
60) 2,4-Dinitrophenol	7.963	184	83501	42.77	ppb		89
61) 4-Nitrophenol	8.118	109	45234	25.48	ppb	#	77
62) Dibenzofuran	8.096	168	416895	22.08	ppb		98
63) 2,4-Dinitrotoluene	8.129	165	112163	22.69	ppb		77
64) 2,3,4,6-Tetrachlorophenol	8.305	232	69744	22.69	ppb		98
65) Diethylphthalate	8.460	149	351706	23.84	ppb		99
66) Fluorene	8.583	166	340838	22.26	ppb		96
67) 4-Chlorophenyl-phenyle...	8.594	204	162172	24.54	ppb		97
68) 4-Nitroaniline	8.663	138	85303	20.79	ppb		74
70) 4,6-Dinitro-2-methylph...	8.733	198	57794	20.25	ppb		78
71) n-Nitrosodiphenylamine	8.781	169	232327	19.93	ppb		98
72) 1,2-Diphenylhydrazine	8.829	77	332078	22.53	ppb		95
74) 4-Bromophenyl-phenylether	9.321	248	86082	22.24	ppb		98
75) Hexachlorobenzene	9.418	284	96989	24.14	ppb		97
76) Pentachlorophenol	9.744	266	89699	40.33	ppb		98
77) Phenanthrene	10.022	178	484724	20.66	ppb		99
78) Anthracene	10.102	178	493592	20.71	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62849.D
Acq On : 5 Jul 2014 8:38 am
Operator : harpreek
Sample : cc2680-25
Misc : op75684,e3e2692
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 09:20:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jul 03 11:45:03 2014
QLast Update : Thu Jul 03 11:45:03 2014
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Carbazole	10.386	167	535805	23.44	ppb	99
80) Di-n-butylphthalate	10.985	149	575841	21.73	ppb	99
81) Fluoranthene	11.889	202	514191	21.93	ppb	98
82) Octadecane	9.915	57	191374	24.59	ppb	92
84) Pyrene	12.242	202	534084	20.13	ppb	100
86) Butylbenzylphthalate	13.360	149	261259	20.34	ppb	92
87) Butyl stearate	13.520	56	107039	16.82	ppb	93
88) Benzo[a]anthracene	14.167	228	488503	20.70	ppb	99
89) 3,3'-Dichlorobenzidine	14.167	252	188255	22.75	ppb	98
90) Chrysene	14.221	228	453068	21.15	ppb	99
91) bis(2-Ethylhexyl)phtha...	14.312	149	367013	20.09	ppb	99
93) Di-n-octylphthalate	15.301	149	628160	19.29	ppb	99
94) Benzo[b]fluoranthene	15.788	252	517625	21.83	ppb	96
95) Benzo[k]fluoranthene	15.825	252	520996	23.09	ppb	94
96) Benzo[a]pyrene	16.232	252	454172	22.09	ppb	93
97) Indeno[1,2,3-cd]pyrene	17.863	276	575846	23.72	ppb	81
98) Dibenz(a,h)acridine	17.505	279	484748	26.66	ppb	100
99) Dibenz[a,h]anthracene	17.884	278	487637	23.97	ppb	89
100) 7,12-Dimethylbenz(a)an...	15.766	256	223737	20.42	ppb	97
101) Benzo[g,h,i]perylene	18.307	276	460353	23.72	ppb	88

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

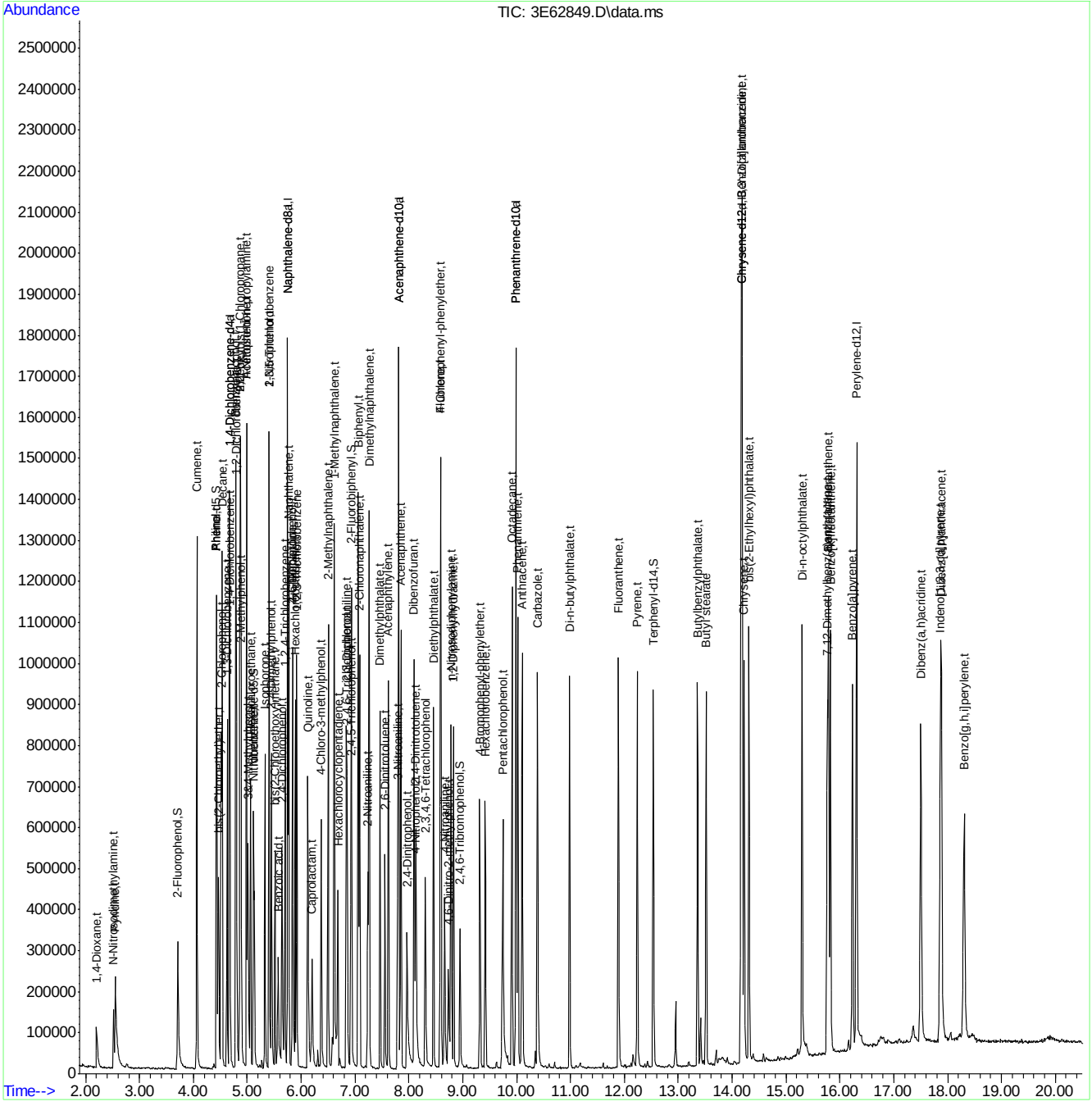
9.6.26

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62849.D
Acq On : 5 Jul 2014 8:38 am
Operator : harpreek
Sample : cc2680-25
Misc : op75684,e3e2692
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 09:20:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jul 03 11:45:03 2014
QLast Update : Thu Jul 03 11:45:03 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

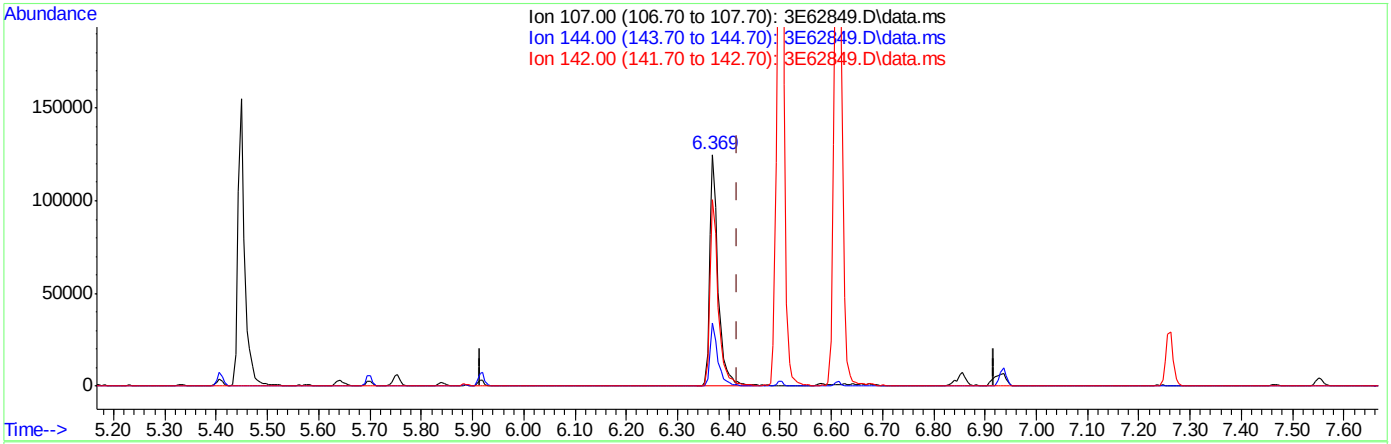
Sample Number:	E3E2692-CC2680	**Method:**	SW846 8270D
Lab FileID:	3E62849.D	**Analyst approved:**	07/05/14 14:47 Kristi Schollenberger
Injection Time:	07/05/14 08:38	**Supervisor approved:**	07/07/14 17:09 Nina Pandya

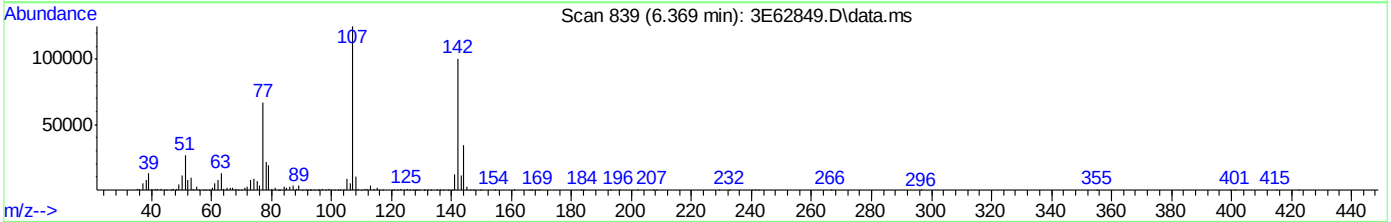
Parameter	CAS	Sig#	R.T. (min.)	Reason
4-Chloro-3-methyl phenol	59-50-7		6.37	Poor instrument integration

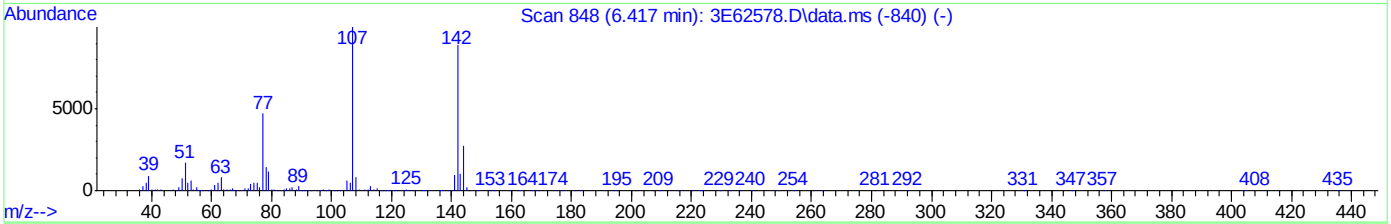
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62849.D
Acq On : 5 Jul 2014 8:38 am
Operator : harpreek
Sample : cc2680-25
Misc : op75684,e3e2692
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 09:20:53 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoThu Jul 03 11:45:03 2014
QLast Update : Thu Jul 03 11:45:03 2014
Response via : Initial Calibration







TIC: 3E62849.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

6.369min (-0.048) 24.46ppb m

response 143684

Ion	Exp%	Act%
107.00	100	100
144.00	26.50	27.51
142.00	0.00	80.32#
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62850.D
Acq On : 5 Jul 2014 9:26 am
Operator : harpreek
Sample : cc2647-25
Misc : op75684,e3e2692
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 14:30:44 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:26:37 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration

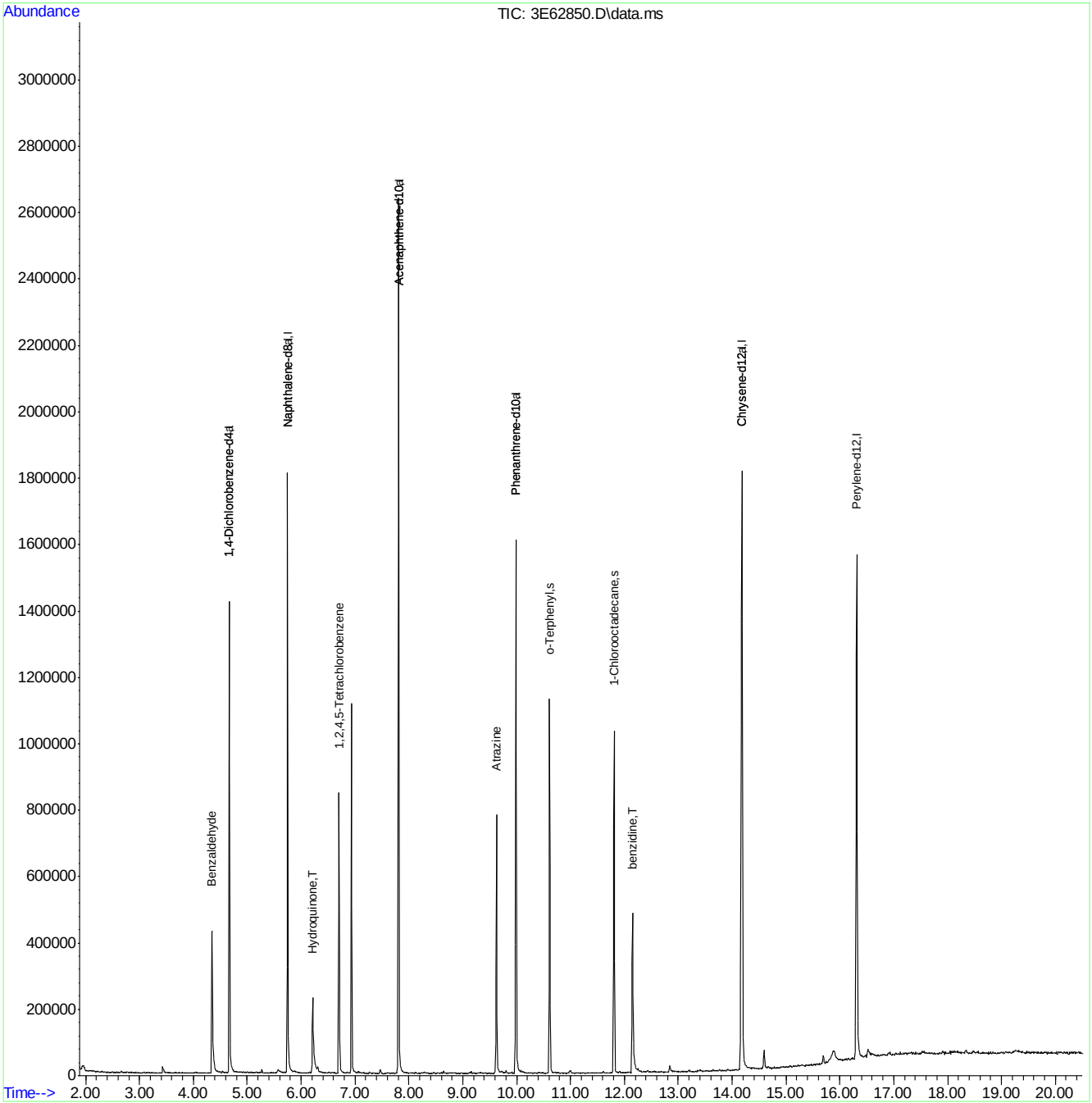
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.663	152	200539	40.00	ppb		0.00
24) Naphthalene-d8	5.748	136	749732	40.00	ppb		0.00
47) Acenaphthene-d10	7.808	164	445230	40.00	ppb		0.00
69) Phenanthrene-d10	9.990	188	726002	40.00	ppb		0.00
83) Chrysene-d12	14.183	240	725367	40.00	ppb		0.00
92) Perylene-d12	16.312	264	670339	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.663	152	200539	40.00	ppb		0.00
104) Acenaphthene-d10a	7.808	164	445230	40.00	ppb		0.00
106) Phenanthrene-d10a	9.990	188	726002	40.00	ppb		0.00
110) Chrysene-d12a	14.183	240	725367	40.00	ppb		0.00
112) Naphthalene-d8a	5.748	136	749732	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	0d	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	0d	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	0d	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
108) o-Terphenyl	10.616	230	263694	27.67	ppb		0.00
Spiked Amount 50.000			Recovery = 55.34%				
109) 1-Chlorooctadecane	11.808	57	119765	20.20	ppb		0.00
Spiked Amount 50.000			Recovery = 40.40%				
Target Compounds							Qvalue
103) Benzaldehyde	4.347	105	112272	20.95	ppb		96
105) 1,2,4,5-Tetrachloroben...	6.700	216	147268	27.25	ppb		99
107) Atrazine	9.626	215	55881	29.50	ppb	#	81
111) benzidine	12.151	184	255985	19.19	ppb		97
113) Hydroquinone	6.214	110	150406	26.50	ppb		85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3e2692\
Data File : 3E62850.D
Acq On : 5 Jul 2014 9:26 am
Operator : harpreek
Sample : cc2647-25
Misc : op75684,e3e2692
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 14:30:44 2014
Quant Method : C:\msdchem\1\METHODS\M3E2680.M
Quant Title : Semi Volatile GC/MS, rtx-5msi 30m x .25mm x .25MoSat Jul 05 14:26:37 2014
QLast Update : Sat Jul 05 14:30:15 2014
Response via : Initial Calibration



M3E2680.M Sat Jul 05 14:31:02 2014 MS3E Page: 2

ACCUTEST LABORATORIES
JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	346409	40.00	ppb	0.00
24) Naphthalene-d8	5.495	136	1163836	40.00	ppb	0.00
47) Acenaphthene-d10	6.869	164	657285	40.00	ppb	0.00
69) Phenanthrene-d10	8.682	188	1082749	40.00	ppb	0.00
83) Chrysene-d12	13.887	240	1107825	40.00	ppb	0.00
91) Perylene-d12	16.914	264	949439	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	346409	40.00	ppb	0.00
103) Acenaphthene-d10a	6.869	164	657285	40.00	ppb	0.00
107) Chrysene-d12a	13.887	240	1107825	40.00	ppb	0.00
109) Naphthalene-d8a	5.495	136	1163836	40.00	ppb	0.00
111) Phenanthrene-d10a	8.682	188	1082749	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	1175135	102.68	ppb	0.00
Spiked Amount 50.000			Recovery = 205.36%			
8) Phenol-d5	4.318	99	1313392	99.24	ppb	0.00
Spiked Amount 50.000			Recovery = 198.48%			
25) Nitrobenzene-d5	4.976	82	907720	93.74	ppb	0.00
Spiked Amount 50.000			Recovery = 187.48%			
51) 2-Fluorobiphenyl	6.281	172	1855890	87.97	ppb	0.00
Spiked Amount 50.000			Recovery = 175.94%			
73) 2,4,6-Tribromophenol	7.725	330	299687	103.66	ppb	0.00
Spiked Amount 50.000			Recovery = 207.32%			
85) Terphenyl-d14	11.688	244	2108062	96.42	ppb	0.00
Spiked Amount 50.000			Recovery = 192.84%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.066	88	561112	102.46	ppb	100
3) Pyridine	2.398	79	1391249	102.80	ppb	100
4) N-Nitrosodimethylamine	2.371	42	498370	99.61	ppb	100
6) Indene	4.762	116	1800084	89.98	ppb	100
7) Cumene	3.976	105	2923687	96.35	ppb	100
9) Phenol	4.329	94	1384468	92.50	ppb	100
10) Aniline	4.329	93	1165057	79.60	ppb	100
11) bis(2-Chloroethyl)ether	4.382	93	886764	95.87	ppb	100
12) 2-Chlorophenol	4.419	128	1128040	89.05	ppb	100
13) Decane	4.462	43	753243	86.93	ppb	100
14) 1,3-Dichlorobenzene	4.532	146	1283591	91.74	ppb	100
15) 1,4-Dichlorobenzene	4.585	146	1277686	90.45	ppb	100
16) Benzyl alcohol	4.682	108	650835	95.59	ppb	100
17) 1,2-Dichlorobenzene	4.698	146	1143569	86.94	ppb	100
18) Acetophenone	4.869	105	1397888	88.90	ppb	100
19) 2-Methylphenol	4.767	108	818465	89.16	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.772	45	781607	84.48	ppb	100
21) 3&4-Methylphenol	4.874	108	852850	90.45	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	4.874	70	530177	88.28	ppb	100
23) Hexachloroethane	4.944	201	423573	92.84	ppb	100
26) Nitrobenzene	4.992	77	915888	89.55	ppb	100
27) Quinoline	5.767	129	2247370	98.73	ppb	100
28) Isophorone	5.168	82	1532720	91.24	ppb	100
29) 2-Nitrophenol	5.222	139	591428	99.87	ppb	100
30) 2,4-Dimethylphenol	5.254	107	919603	113.77	ppb	100
31) Benzoic acid	5.372	105	771456m	98.87	ppb	
32) bis(2-Chloroethoxy)met...	5.318	93	945563	91.48	ppb	100
33) 2,4-Dichlorophenol	5.398	162	876809	96.80	ppb	100
34) 2,6-Dichlorophenol	5.559	162	834859	97.00	ppb	100
35) 1,3,5-Trichlorobenzene	5.232	180	1131810	92.58	ppb	100
36) 1,2,4-Trichlorobenzene	5.452	180	945660	91.61	ppb	100
37) 1,2,3-Trichlorobenzene	5.612	180	1011109	90.97	ppb	100
38) Naphthalene	5.511	128	2635174	88.00	ppb	100
39) 4-Chloroaniline	5.553	127	1088212	88.84	ppb	100
40) 2,3-Dichloroaniline	6.217	161	1156417	90.12	ppb	100
41) Caprolactam	5.832	113	340397	98.04	ppb	100
42) Hexachlorobutadiene	5.602	225	498375	90.53	ppb	100
43) 4-Chloro-3-methylphenol	5.906	107	839166	93.96	ppb	100
44) 2-Methylnaphthalene	6.003	141	1677260	93.47	ppb	100
45) 1-Methylnaphthalene	6.078	141	1834533	89.44	ppb	100
46) Dimethylnaphthalene	6.495	156	1849842	91.24	ppb	100
48) Hexachlorocyclopentadiene	6.126	237	1190347	200.00	ppb	100
49) 2,4,6-Trichlorophenol	6.222	196	588203	94.23	ppb	100
50) 2,4,5-Trichlorophenol	6.259	196	643716	93.37	ppb	100
52) 2-Chloronaphthalene	6.382	162	1713514	87.92	ppb	100
53) Biphenyl	6.366	154	2537501	90.38	ppb	100
54) 2-Nitroaniline	6.468	65	470434	98.97	ppb	100
55) Dimethylphthalate	6.618	163	1944259	87.93	ppb	100
56) Acenaphthylene	6.735	152	2883131	91.98	ppb	100
57) 2,6-Dinitrotoluene	6.671	165	460615	106.51	ppb	100
58) 3-Nitroaniline	6.832	138	562676	101.41	ppb	100
59) Acenaphthene	6.901	153	1760101	90.38	ppb	100
60) 2,4-Dinitrophenol	6.928	184	569842	200.00	ppb	100
61) 4-Nitrophenol	6.998	109	277495	100.00	ppb	100
62) Dibenzofuran	7.072	168	2427776	87.92	ppb	100
63) 2,4-Dinitrotoluene	7.056	165	634123	113.84	ppb	100
64) 2,3,4,6-Tetrachlorophenol	7.201	232	525125	106.64	ppb	100
65) Diethylphthalate	7.318	149	2008963	92.79	ppb	100
66) Fluorene	7.441	166	1977017	88.84	ppb	100
67) 4-Chlorophenyl-phenyle...	7.441	204	905862	94.20	ppb	100
68) 4-Nitroaniline	7.479	138	558297	101.79	ppb	100
70) 4,6-Dinitro-2-methylph...	7.506	198	362997	100.00	ppb	100
71) n-Nitrosodiphenylamine	7.581	169	1364190	92.70	ppb	100
72) 1,2-Diphenylhydrazine	7.629	77	1735442	91.81	ppb	100
74) 4-Bromophenyl-phenylether	8.051	248	566444	95.57	ppb	100
75) Hexachlorobenzene	8.137	284	626311	95.90	ppb	100
76) Pentachlorophenol	8.420	266	936972	200.00	ppb	100
77) Phenanthrene	8.720	178	2860781	91.12	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.800	178	2839636	95.01	ppb	100
79) Carbazole	9.073	167	3282860	95.58	ppb	100
80) Di-n-butylphthalate	9.763	149	3728424	97.18	ppb	100
81) Fluoranthene	10.822	202	3365201	97.82	ppb	100
82) Octadecane	8.602	57	1168786	94.69	ppb	100
84) Pyrene	11.255	202	3480010	94.51	ppb	100
86) Butylbenzylphthalate	12.860	149	1775932	98.92	ppb	100
87) Benzo[a]anthracene	13.871	228	2969192	91.73	ppb	100
88) 3,3'-Dichlorobenzidine	13.919	252	1119124	99.50	ppb	100
89) Chrysene	13.951	228	2538941	92.52	ppb	100
90) bis(2-Ethylhexyl)phtha...	14.277	149	2251845	100.00	ppb	100
92) Di-n-octylphthalate	15.721	149	4234785	100.00	ppb	100
93) Benzo[b]fluoranthene	16.181	252	3273636	107.23	ppb	100
94) Benzo[k]fluoranthene	16.251	252	2558394	95.17	ppb	100
95) Benzo[a]pyrene	16.812	252	2648567	100.07	ppb	100
96) Indeno[1,2,3-cd]pyrene	18.871	276	2755150	83.94	ppb	98
97) Dibenz(a,h)acridine	18.508	279	2918815	107.00	ppb	100
98) Dibenz[a,h]anthracene	18.936	278	2704846	103.96	ppb	100
99) 7,12-Dimethylbenz(a)an...	16.208	256	1576471	100.00	ppb	100
100) Benzo[g,h,i]perylene	19.299	276	2635809	100.22	ppb	100

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

9.6.28

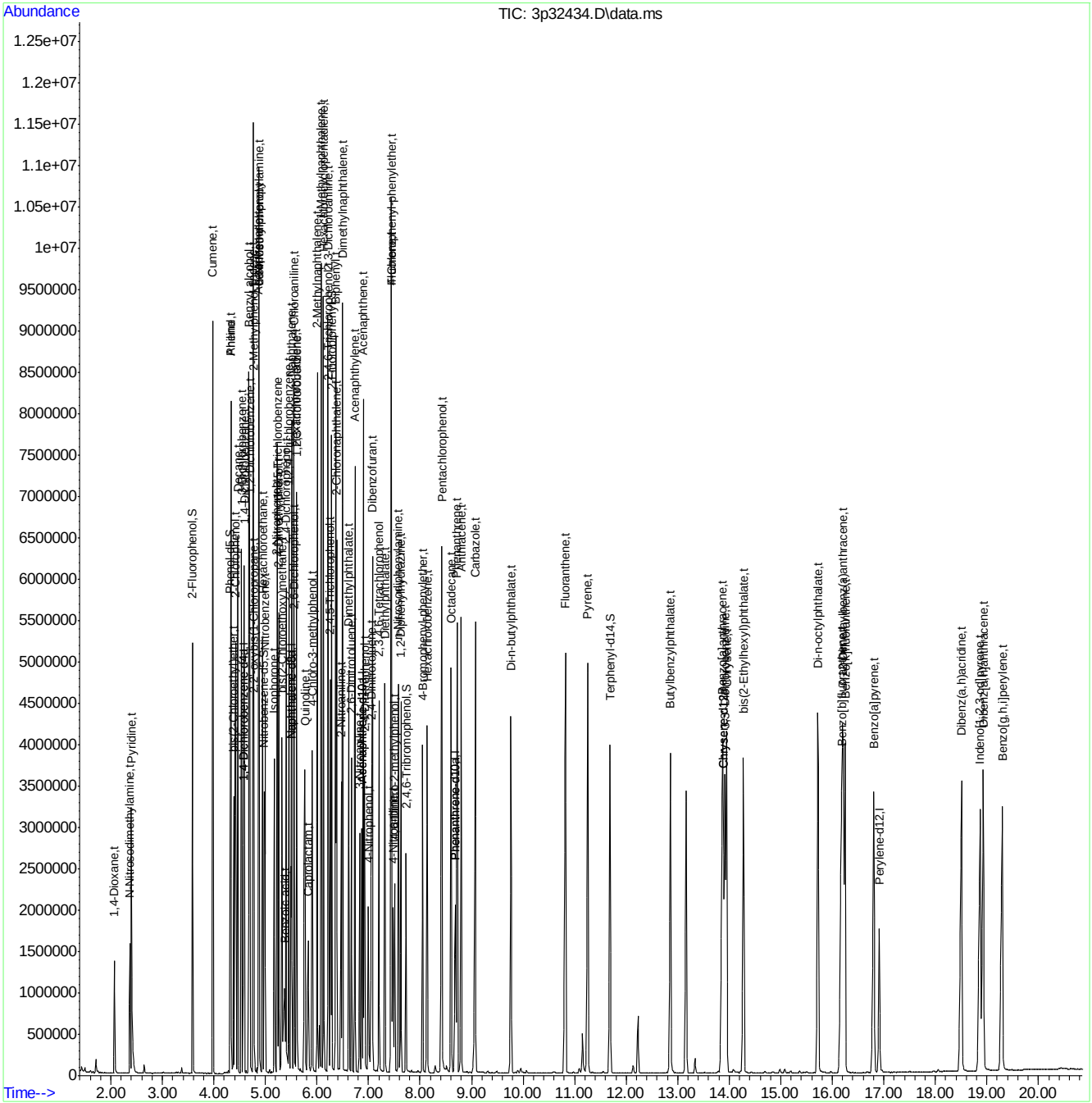
9

ACCUTEST LABORATORIES
JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

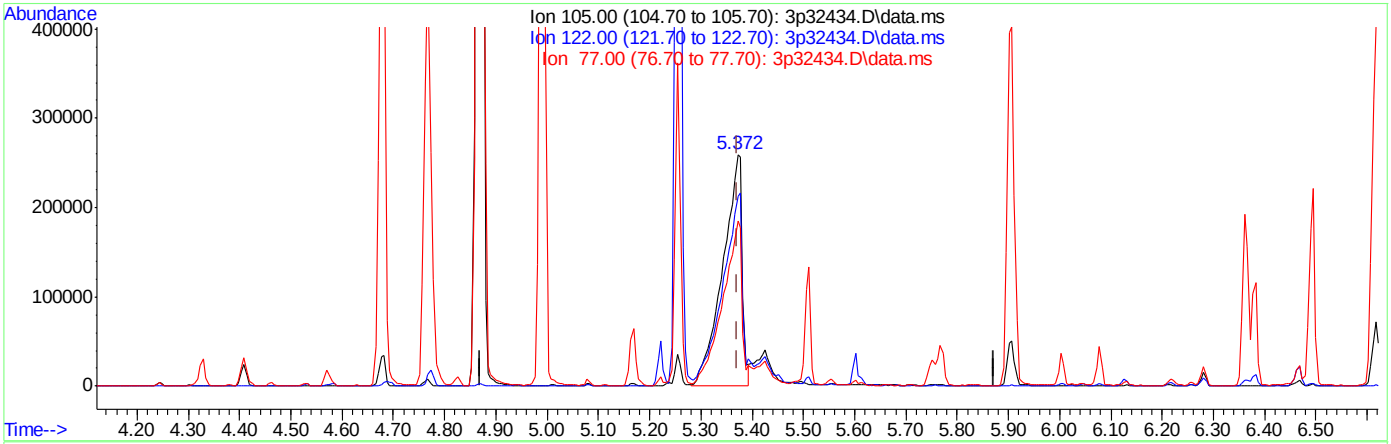
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32434.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 14:20	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

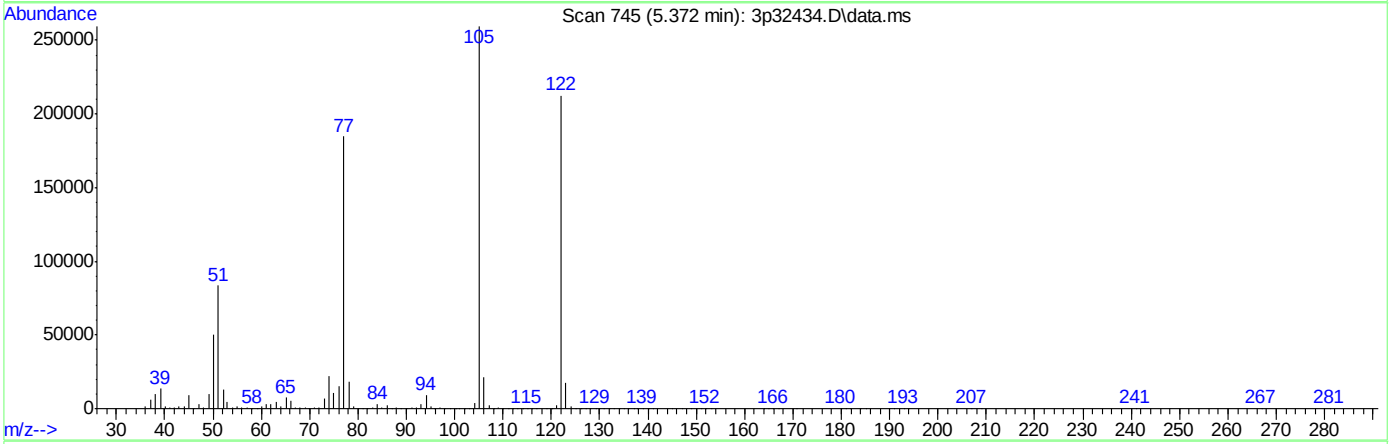
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.37	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 15:29:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:29:28 2014
Response via : Initial Calibration





TIC: 3p32434.D\data.ms

(31) Benzoic acid (t)

5.372min (0.000) 82.49ppb

response 680622

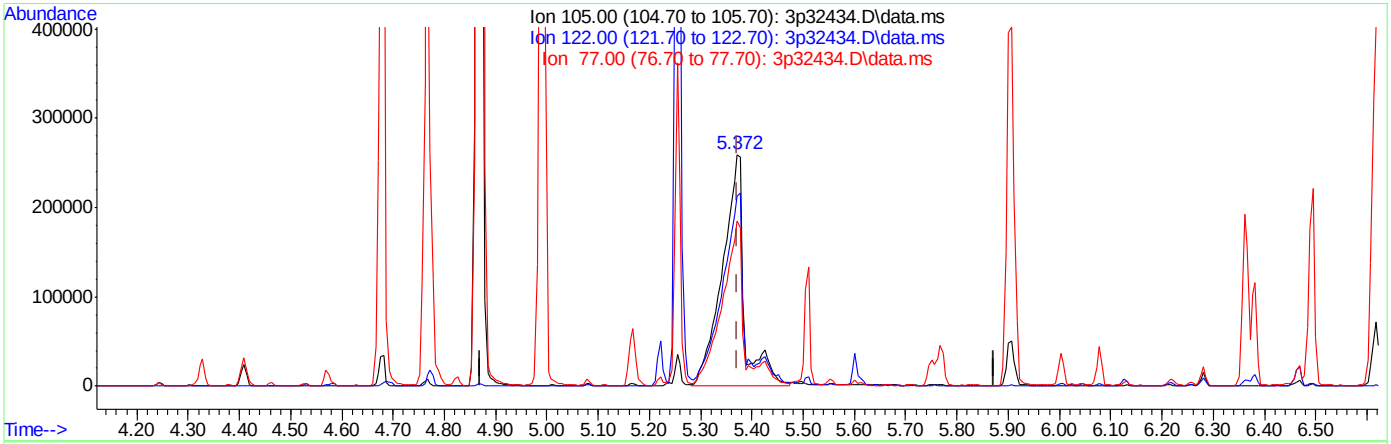
Ion	Exp%	Act%
105.00	100	100
122.00	81.90	78.45
77.00	71.10	69.71
0.00	0.00	0.00

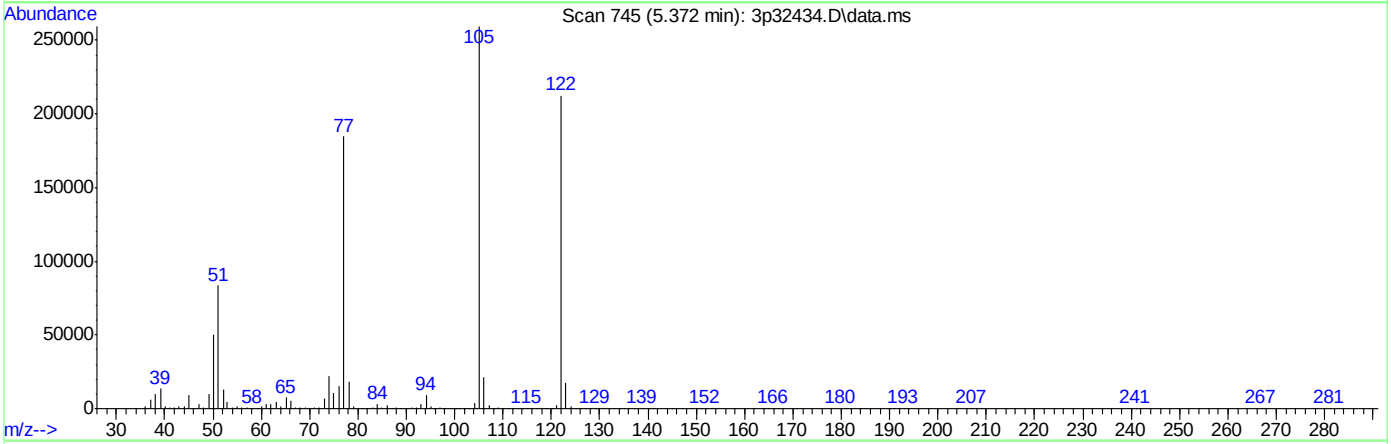
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32434.D
Acq On : 6 Jun 2014 2:20 pm
Operator : samtap
Sample : ic1389-100
Misc : op75000,e3p1389,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 17:51:26 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 15:41:34 2014
Response via : Initial Calibration





TIC: 3p32434.D\data.ms

(31) Benzoic acid (t)

5.372min (-0.000) 98.87ppb m

response 771456

Ion	Exp%	Act%
105.00	100	100
122.00	81.90	81.92
77.00	71.10	71.14
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.569	152	608677	40.00	ppb		0.00
24) Naphthalene-d8	5.489	136	2086607	40.00	ppb		0.00
47) Acenaphthene-d10	6.864	164	1168526	40.00	ppb		0.00
69) Phenanthrene-d10	8.672	188	1893276	40.00	ppb		-0.01
83) Chrysene-d12	13.871	240	1829627	40.00	ppb		-0.02
91) Perylene-d12	16.909	264	1645294	40.00	ppb		0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	608677	40.00	ppb		0.00
103) Acenaphthene-d10a	6.864	164	1168526	40.00	ppb		0.00
107) Chrysene-d12a	13.871	240	1829627	40.00	ppb		-0.02
109) Naphthalene-d8a	5.489	136	2086607	40.00	ppb		0.00
111) Phenanthrene-d10a	8.672	188	1893276	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.585	112	19571	0.95	ppb		0.00
Spiked Amount 50.000			Recovery =	1.90%			
8) Phenol-d5	4.307	99	23433	1.02	ppb		-0.01
Spiked Amount 50.000			Recovery =	2.04%			
25) Nitrobenzene-d5	4.970	82	18446	1.13	ppb		0.00
Spiked Amount 50.000			Recovery =	2.26%			
51) 2-Fluorobiphenyl	6.276	172	42014	1.27	ppb		0.00
Spiked Amount 50.000			Recovery =	2.54%			
73) 2,4,6-Tribromophenol	7.714	330	4870	0.93	ppb		-0.01
Spiked Amount 50.000			Recovery =	1.86%			
85) Terphenyl-d14	11.672	244	37400	1.07	ppb		-0.02
Spiked Amount 50.000			Recovery =	2.14%			
112) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.088	88	9385	0.95	ppb		96
3) Pyridine	2.435	79	23114	0.95	ppb		93
4) N-Nitrosodimethylamine	2.387	42	8826	1.01	ppb		96
6) Indene	4.757	116	38676	1.22	ppb		98
7) Cumene	3.981	105	55263	1.08	ppb		99
9) Phenol	4.318	94	28271	1.16	ppb		84
10) Aniline	4.323	93	30965	1.51	ppb	#	60
11) bis(2-Chloroethyl)ether	4.371	93	16924	1.09	ppb		95
12) 2-Chlorophenol	4.414	128	24693	1.25	ppb		97
13) Decane	4.457	43	17214	1.30	ppb		90
14) 1,3-Dichlorobenzene	4.527	146	26613	1.18	ppb		92
15) 1,4-Dichlorobenzene	4.580	146	27192	1.21	ppb		93
16) Benzyl alcohol	4.671	108	12491	1.09	ppb		94
17) 1,2-Dichlorobenzene	4.692	146	26133	1.30	ppb		95
18) Acetophenone	4.858	105	30694	1.25	ppb		100
19) 2-Methylphenol	4.757	108	17878	1.24	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.767	45	18779	1.37	ppb		89
21) 3&4-Methylphenol	4.864	108	18151	1.21	ppb		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.864	70	11789	1.27	ppb		97
23) Hexachloroethane	4.938	201	8591	1.15	ppb		81
26) Nitrobenzene	4.981	77	20254	1.23	ppb		92
27) Quinoline	5.741	129	41329	1.03	ppb		98
28) Isophorone	5.152	82	32756	1.19	ppb		93
29) 2-Nitrophenol	5.216	139	10632	1.00	ppb		99
30) 2,4-Dimethylphenol	5.249	107	12495	0.76	ppb		96
31) Benzoic acid	5.297	105	7116	0.51	ppb		87
32) bis(2-Chloroethoxy)met...	5.313	93	20109	1.19	ppb		98
33) 2,4-Dichlorophenol	5.393	162	16761	1.07	ppb		94
34) 2,6-Dichlorophenol	5.548	162	15895	1.06	ppb		94
35) 1,3,5-Trichlorobenzene	5.227	180	23546	1.16	ppb		99
36) 1,2,4-Trichlorobenzene	5.452	180	20059	1.18	ppb		97
37) 1,2,3-Trichlorobenzene	5.607	180	21725	1.20	ppb		97
38) Naphthalene	5.505	128	60134	1.27	ppb		98
39) 4-Chloroaniline	5.543	127	24411	1.25	ppb		98
40) 2,3-Dichloroaniline	6.211	161	25280	1.22	ppb		99
41) Caprolactam	5.767	113	6347	1.04	ppb		97
42) Hexachlorobutadiene	5.602	225	10805	1.21	ppb		92
43) 4-Chloro-3-methylphenol	5.890	107	16980	1.13	ppb	#	96
44) 2-Methylnaphthalene	5.997	141	34270	1.14	ppb		100
45) 1-Methylnaphthalene	6.072	141	40660	1.24	ppb		97
46) Dimethylnaphthalene	6.484	156	39535	1.19	ppb		98
48) Hexachlorocyclopentadiene	6.126	237	15133	1.43	ppb		99
49) 2,4,6-Trichlorophenol	6.211	196	11738	1.12	ppb		96
50) 2,4,5-Trichlorophenol	6.249	196	13070	1.14	ppb		99
52) 2-Chloronaphthalene	6.372	162	38835	1.27	ppb		99
53) Biphenyl	6.356	154	54718	1.21	ppb		98
54) 2-Nitroaniline	6.452	65	8538	1.02	ppb		89
55) Dimethylphthalate	6.607	163	44055	1.27	ppb		98
56) Acenaphthylene	6.730	152	60191	1.17	ppb		98
57) 2,6-Dinitrotoluene	6.655	165	7188	0.88	ppb		84
58) 3-Nitroaniline	6.816	138	9725	0.97	ppb		92
59) Acenaphthene	6.891	153	37955	1.21	ppb		98
60) 2,4-Dinitrophenol	6.917	184	2120	0.42	ppb	#	66
61) 4-Nitrophenol	7.003	109	4146	0.84	ppb	#	46
62) Dibenzofuran	7.062	168	55025	1.27	ppb		99
63) 2,4-Dinitrotoluene	7.040	165	8532	0.76	ppb		97
64) 2,3,4,6-Tetrachlorophenol	7.196	232	8173	0.88	ppb		99
65) Diethylphthalate	7.302	149	41266	1.16	ppb		100
66) Fluorene	7.431	166	43975	1.25	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	18088	1.12	ppb		91
68) 4-Nitroaniline	7.452	138	9577	0.96	ppb		96
70) 4,6-Dinitro-2-methylph...	7.490	198	1887	0.30	ppb		92
71) n-Nitrosodiphenylamine	7.565	169	27611	1.16	ppb		95
72) 1,2-Diphenylhydrazine	7.618	77	35761	1.18	ppb		98
74) 4-Bromophenyl-phenylether	8.041	248	10823	1.09	ppb		96
75) Hexachlorobenzene	8.126	284	11887	1.09	ppb		93
76) Pentachlorophenol	8.410	266	8935	1.09	ppb		89
77) Phenanthrene	8.704	178	59779	1.20	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.779	178	54865	1.10	ppb	98
79) Carbazole	9.051	167	62715	1.09	ppb	99
80) Di-n-butylphthalate	9.752	149	68974	1.06	ppb	99
81) Fluoranthene	10.800	202	61470	1.04	ppb	98
82) Octadecane	8.591	57	22729	1.11	ppb	97
84) Pyrene	11.234	202	64151	1.12	ppb	97
86) Butylbenzylphthalate	12.844	149	29970	1.02	ppb	94
87) Benzo[a]anthracene	13.849	228	57875	1.18	ppb	97
88) 3,3'-Dichlorobenzidine	13.897	252	18670	1.01	ppb	98
89) Chrysene	13.919	228	48716	1.16	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.266	149	36344	0.98	ppb	97
92) Di-n-octylphthalate	15.705	149	60181	0.82	ppb	98
93) Benzo[b]fluoranthene	16.138	252	48915m	0.86	ppb	
94) Benzo[k]fluoranthene	16.197	252	48834	1.10	ppb	97
95) Benzo[a]pyrene	16.770	252	45833	1.00	ppb	98
96) Indeno[1,2,3-cd]pyrene	18.829	276	42267	0.89	ppb	93
97) Dibenz(a,h)acridine	18.470	279	43960	0.87	ppb	97
98) Dibenz[a,h]anthracene	18.893	278	43305	0.92	ppb	92
99) 7,12-Dimethylbenz(a)an...	16.165	256	5241	0.19	ppb	97
100) Benzo[g,h,i]perylene	19.251	276	45478	1.00	ppb	95

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

9.6.29

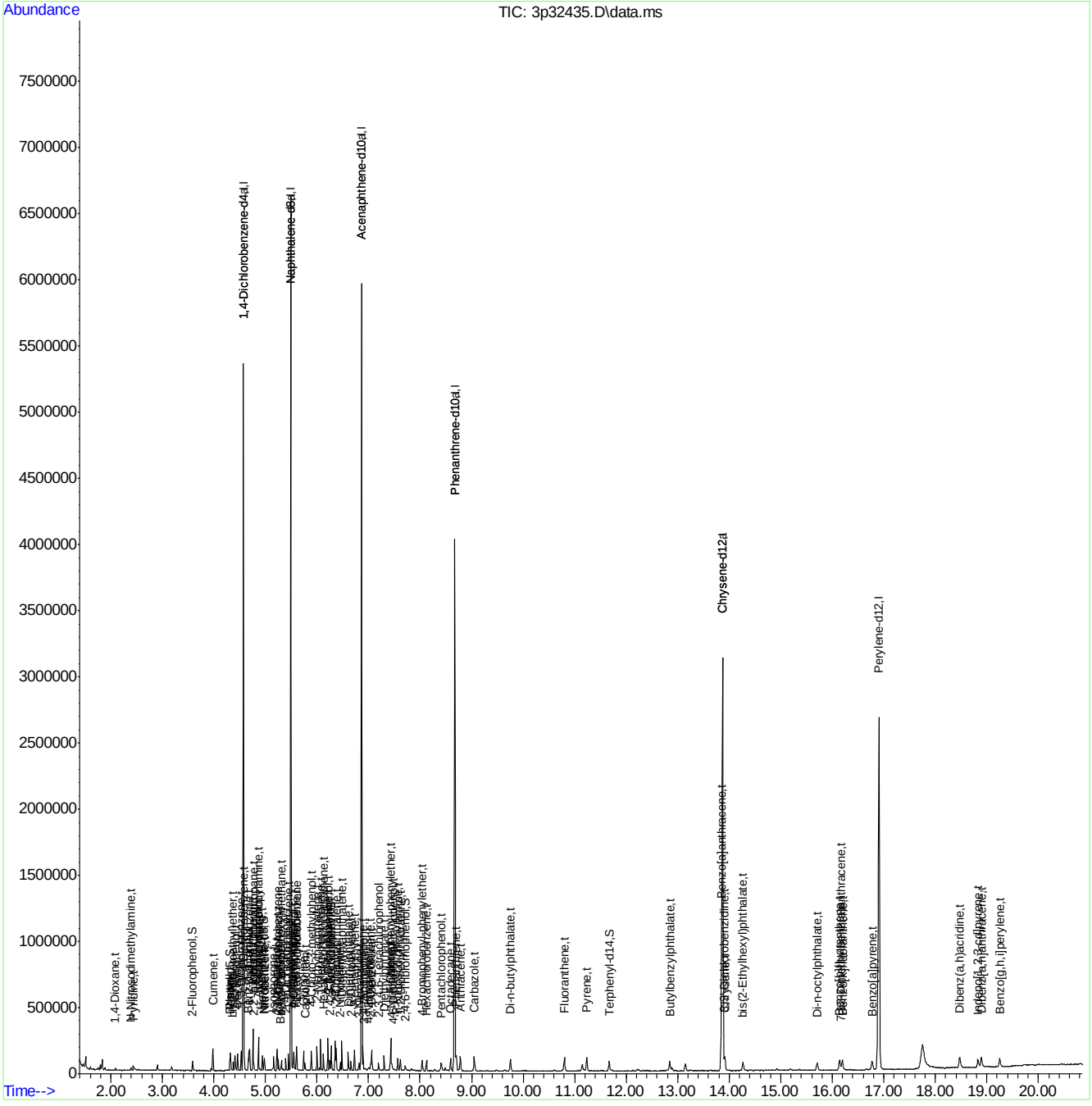
9

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration



Manual Integration Approval Summary

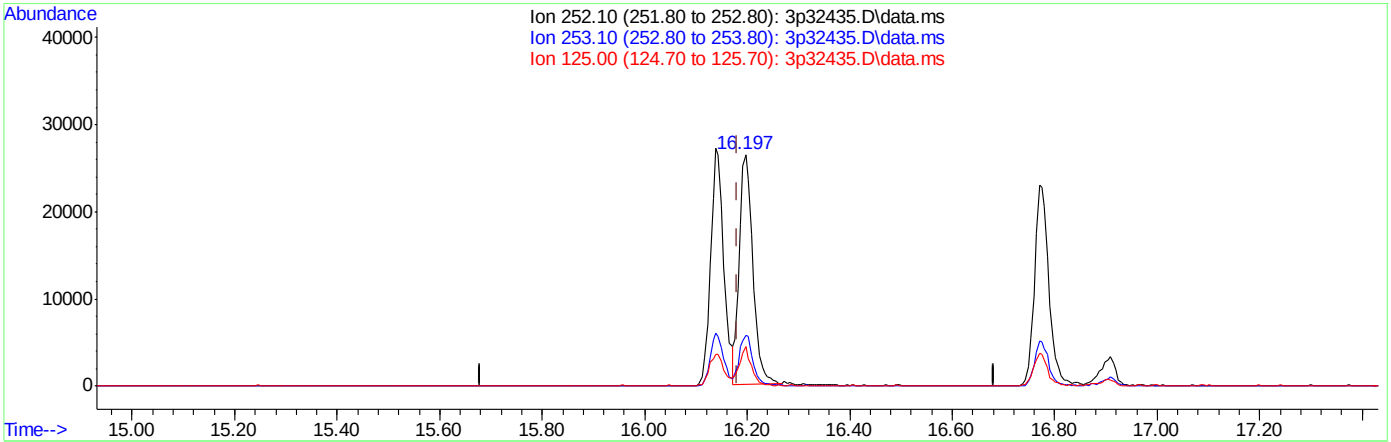
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32435.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 14:45	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

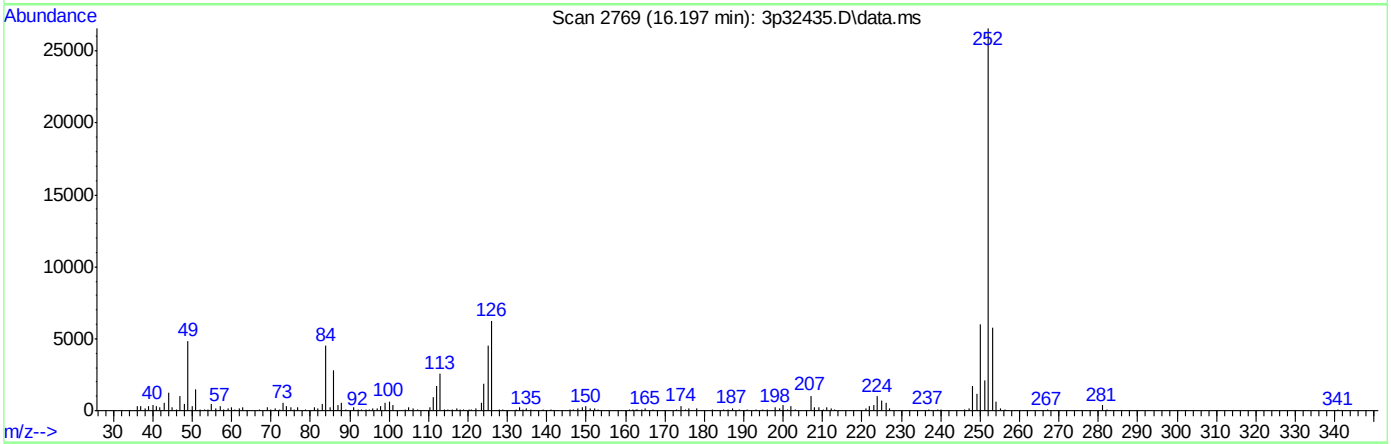
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzo(b)fluoranthene	205-99-2		16.14	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:51:53 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration





TIC: 3p32435.D\data.ms

(93) Benzo[b]fluoranthene (t)

16.197min (+0.016) 0.86ppb

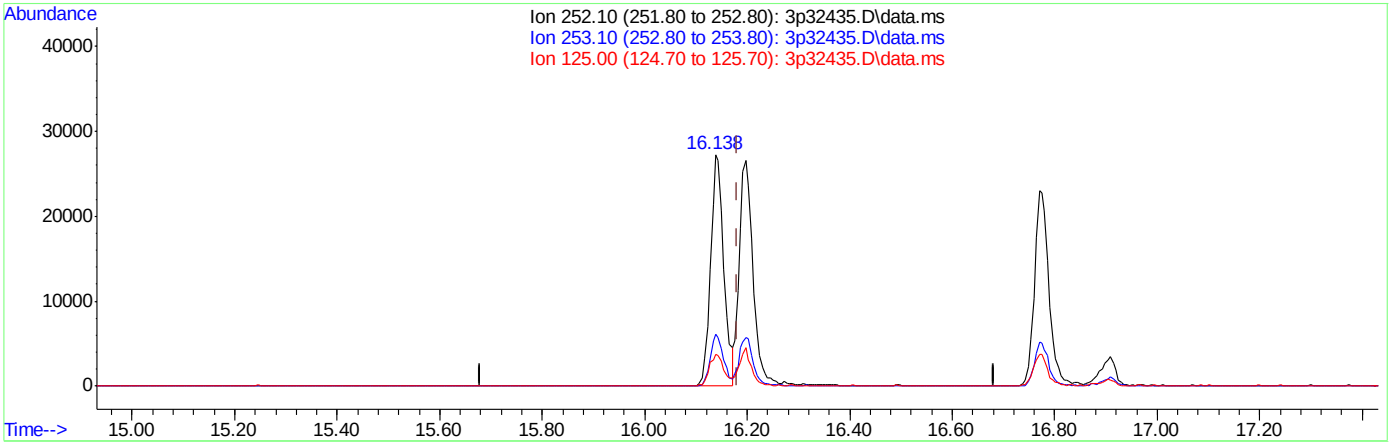
response 48834

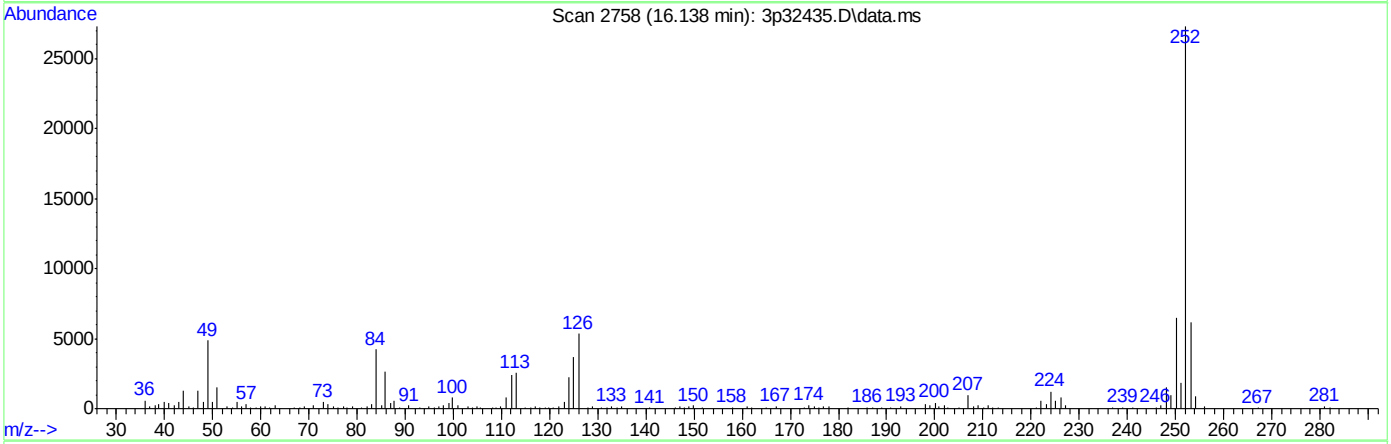
Ion	Exp%	Act%
252.10	100	100
253.10	21.30	21.96
125.00	13.50	16.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32435.D
Acq On : 6 Jun 2014 2:45 pm
Operator : samtap
Sample : ic1389-1
Misc : op75000,e3p1389,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 17:53:39 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:51:42 2014
Response via : Initial Calibration





TIC: 3p32435.D\data.ms

(93) Benzo[b]fluoranthene (t)

16.138min (-0.043) 0.86ppb m

response 48915

Ion	Exp%	Act%
252.10	100	100
253.10	21.30	22.55
125.00	13.50	13.58
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	361586	40.00	ppb	0.00
24) Naphthalene-d8	5.495	136	1201080	40.00	ppb	0.00
47) Acenaphthene-d10	6.869	164	693044	40.00	ppb	0.00
69) Phenanthrene-d10	8.677	188	1161897	40.00	ppb	0.00
83) Chrysene-d12	13.887	240	1190656	40.00	ppb	0.00
91) Perylene-d12	16.914	264	1020497	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	361586	40.00	ppb	0.00
103) Acenaphthene-d10a	6.869	164	693044	40.00	ppb	0.00
107) Chrysene-d12a	13.887	240	1190656	40.00	ppb	0.00
109) Naphthalene-d8a	5.495	136	1201080	40.00	ppb	0.00
111) Phenanthrene-d10a	8.677	188	1161897	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	1053500	88.19	ppb	0.00
Spiked Amount 50.000			Recovery = 176.38%			
8) Phenol-d5	4.313	99	1171795	84.82	ppb	0.00
Spiked Amount 50.000			Recovery = 169.64%			
25) Nitrobenzene-d5	4.976	82	774656	77.52	ppb	0.00
Spiked Amount 50.000			Recovery = 155.04%			
51) 2-Fluorobiphenyl	6.281	172	1593794	71.65	ppb	0.00
Spiked Amount 50.000			Recovery = 143.30%			
73) 2,4,6-Tribromophenol	7.725	330	259693	83.71	ppb	0.00
Spiked Amount 50.000			Recovery = 167.42%			
85) Terphenyl-d14	11.688	244	1859043	79.12	ppb	0.00
Spiked Amount 50.000			Recovery = 158.24%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.071	88	514123	89.94	ppb	99
3) Pyridine	2.403	79	1259625	89.17	ppb	100
4) N-Nitrosodimethylamine	2.371	42	444849	85.18	ppb	99
6) Indene	4.762	116	1579968	75.66	ppb	99
7) Cumene	3.976	105	2703942	85.37	ppb	99
9) Phenol	4.323	94	1233029	78.92	ppb	100
10) Aniline	4.329	93	1067527	69.87	ppb	73
11) bis(2-Chloroethyl)ether	4.382	93	793209	82.16	ppb	99
12) 2-Chlorophenol	4.420	128	1022073	77.30	ppb	99
13) Decane	4.462	43	667690	73.82	ppb	99
14) 1,3-Dichlorobenzene	4.532	146	1128624	77.28	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	1105181	74.95	ppb	98
16) Benzyl alcohol	4.676	108	551286	77.57	ppb	92
17) 1,2-Dichlorobenzene	4.698	146	1005503	73.23	ppb	99
18) Acetophenone	4.869	105	1224268	74.59	ppb	96
19) 2-Methylphenol	4.762	108	719594	75.10	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.773	45	692338	71.69	ppb	95
21) 3&4-Methylphenol	4.874	108	750955	76.30	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.874	70	449090	71.64	ppb		97
23) Hexachloroethane	4.944	201	364016	76.44	ppb		97
26) Nitrobenzene	4.992	77	796424	75.45	ppb		96
27) Quinoline	5.746	129	1916629	81.59	ppb		100
28) Isophorone	5.163	82	1333935	76.94	ppb		98
29) 2-Nitrophenol	5.222	139	500288	81.86	ppb		80
30) 2,4-Dimethylphenol	5.254	107	790033	94.71	ppb		96
31) Benzoic acid	5.366	105	662300m	109.86	ppb		
32) bis(2-Chloroethoxy)met...	5.318	93	824405	77.29	ppb		100
33) 2,4-Dichlorophenol	5.393	162	763479	81.67	ppb		95
34) 2,6-Dichlorophenol	5.553	162	713766	80.36	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	972194	77.06	ppb		96
36) 1,2,4-Trichlorobenzene	5.452	180	816976	76.69	ppb		100
37) 1,2,3-Trichlorobenzene	5.612	180	879476	76.68	ppb		100
38) Naphthalene	5.511	128	2333458	75.51	ppb		99
39) 4-Chloroaniline	5.548	127	955177	75.56	ppb		98
40) 2,3-Dichloroaniline	6.217	161	996456	75.24	ppb		99
41) Caprolactam	5.826	113	294513	82.19	ppb		96
42) Hexachlorobutadiene	5.602	225	433393	76.28	ppb		100
43) 4-Chloro-3-methylphenol	5.901	107	713150	77.37	ppb		98
44) 2-Methylnaphthalene	6.003	141	1436515	77.57	ppb		99
45) 1-Methylnaphthalene	6.078	141	1574582	74.38	ppb		99
46) Dimethylnaphthalene	6.495	156	1601171	76.52	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	981138	182.31	ppb		99
49) 2,4,6-Trichlorophenol	6.222	196	504847	76.70	ppb		98
50) 2,4,5-Trichlorophenol	6.254	196	558471	76.82	ppb		99
52) 2-Chloronaphthalene	6.382	162	1496746	72.83	ppb		99
53) Biphenyl	6.361	154	2201029	74.35	ppb		100
54) 2-Nitroaniline	6.463	65	396715	79.15	ppb		92
55) Dimethylphthalate	6.618	163	1675654	71.87	ppb		99
56) Acenaphthylene	6.736	152	2504674	75.79	ppb		100
57) 2,6-Dinitrotoluene	6.671	165	397547	87.18	ppb		96
58) 3-Nitroaniline	6.826	138	489718	83.71	ppb		98
59) Acenaphthene	6.901	153	1523016	74.17	ppb		96
60) 2,4-Dinitrophenol	6.928	184	459212	252.81	ppb	#	61
61) 4-Nitrophenol	6.992	109	237214	88.10	ppb		97
62) Dibenzofuran	7.072	168	2111212	72.51	ppb		99
63) 2,4-Dinitrotoluene	7.056	165	550845	93.79	ppb		96
64) 2,3,4,6-Tetrachlorophenol	7.201	232	453602	87.36	ppb		99
65) Diethylphthalate	7.319	149	1752206	76.75	ppb		99
66) Fluorene	7.442	166	1715567	73.12	ppb		100
67) 4-Chlorophenyl-phenyle...	7.436	204	779258	76.85	ppb		95
68) 4-Nitroaniline	7.474	138	491210	84.93	ppb		99
70) 4,6-Dinitro-2-methylph...	7.506	198	305230	120.80	ppb		92
71) n-Nitrosodiphenylamine	7.581	169	1164068	73.71	ppb		100
72) 1,2-Diphenylhydrazine	7.629	77	1524581	75.16	ppb		99
74) 4-Bromophenyl-phenylether	8.051	248	488578	76.82	ppb		98
75) Hexachlorobenzene	8.137	284	548956	78.33	ppb		95
76) Pentachlorophenol	8.415	266	799638	205.85	ppb		99
77) Phenanthrene	8.720	178	2492313	73.97	ppb		100

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.800	178	2468043	76.95	ppb	99
79) Carbazole	9.068	167	2884263	78.25	ppb	100
80) Di-n-butylphthalate	9.763	149	3196796	77.65	ppb	100
81) Fluoranthene	10.817	202	2965336	80.32	ppb	99
82) Octadecane	8.602	57	990817	74.80	ppb	100
84) Pyrene	11.255	202	3070793	77.59	ppb	100
86) Butylbenzylphthalate	12.860	149	1527719	79.18	ppb	100
87) Benzo[a]anthracene	13.865	228	2610179	75.03	ppb	99
88) 3,3'-Dichlorobenzidine	13.913	252	980882	81.14	ppb	98
89) Chrysene	13.945	228	2253491	76.40	ppb	100
90) bis(2-Ethylhexyl)phtha...	14.277	149	1989303	83.14	ppb	99
92) Di-n-octylphthalate	15.721	149	3659911	88.36	ppb	100
93) Benzo[b]fluoranthene	16.176	252	2720961	83.05	ppb	99
94) Benzo[k]fluoranthene	16.245	252	2413465	83.53	ppb	99
95) Benzo[a]pyrene	16.807	252	2328746	81.86	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.866	276	2406247	86.20	ppb	99
97) Dibenz(a,h)acridine	18.508	279	2592804	88.43	ppb	100
98) Dibenz[a,h]anthracene	18.930	278	2304680	82.41	ppb	99
99) 7,12-Dimethylbenz(a)an...	16.208	256	1397039	138.35	ppb	99
100) Benzo[g,h,i]perylene	19.299	276	2328169	82.36	ppb	98

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

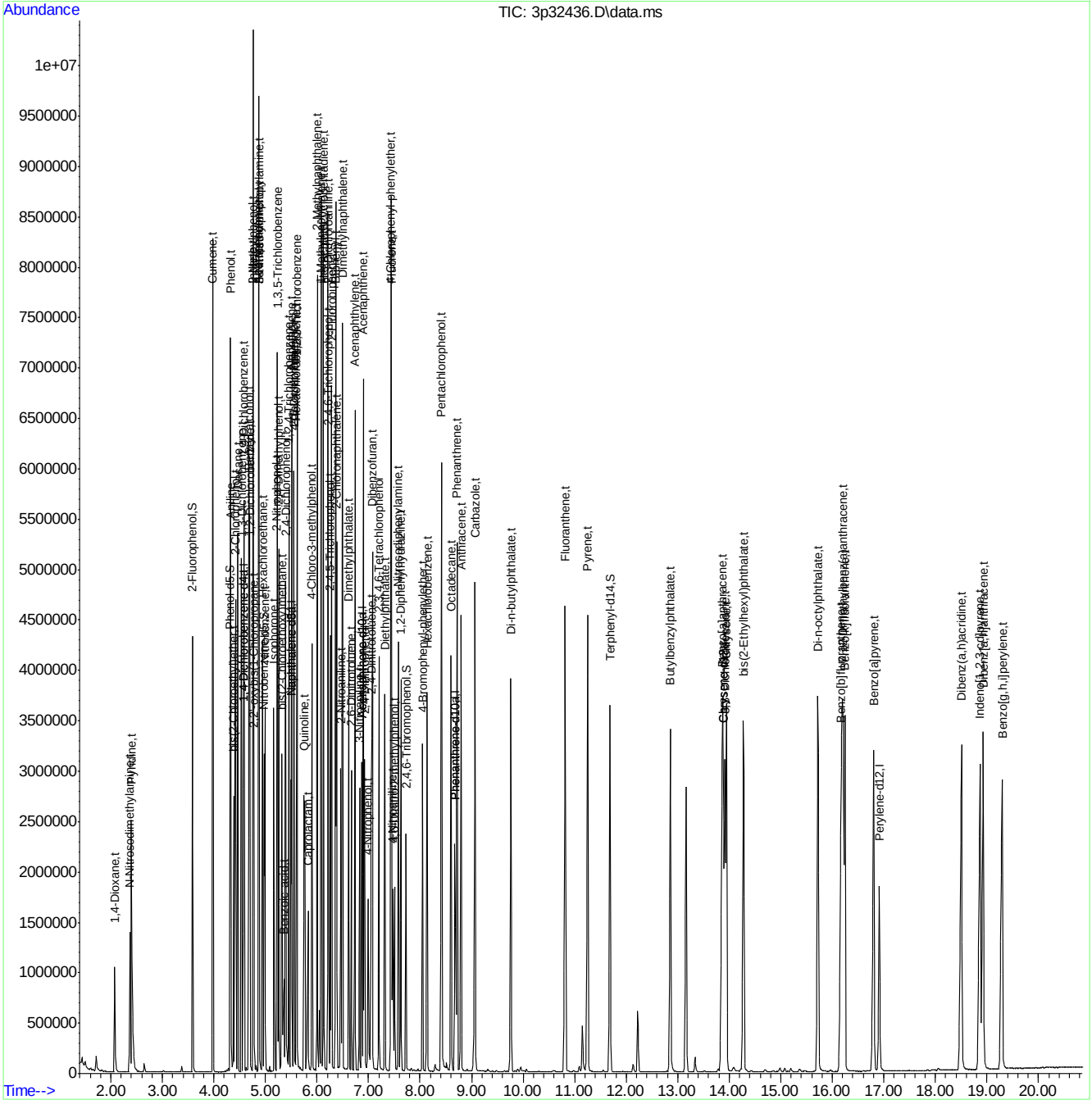
9.6.30

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration



Manual Integration Approval Summary

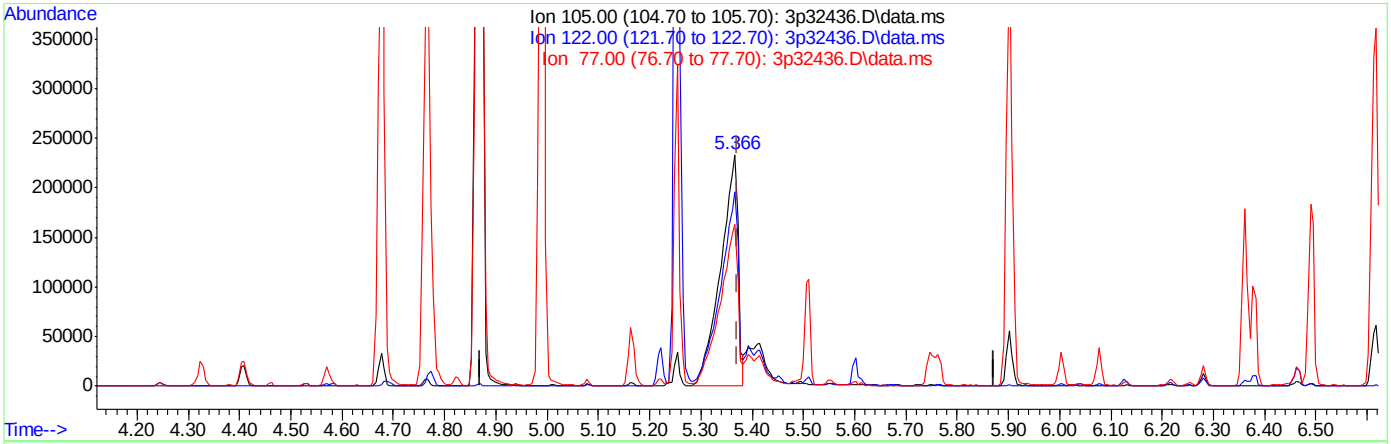
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32436.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 15:56	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

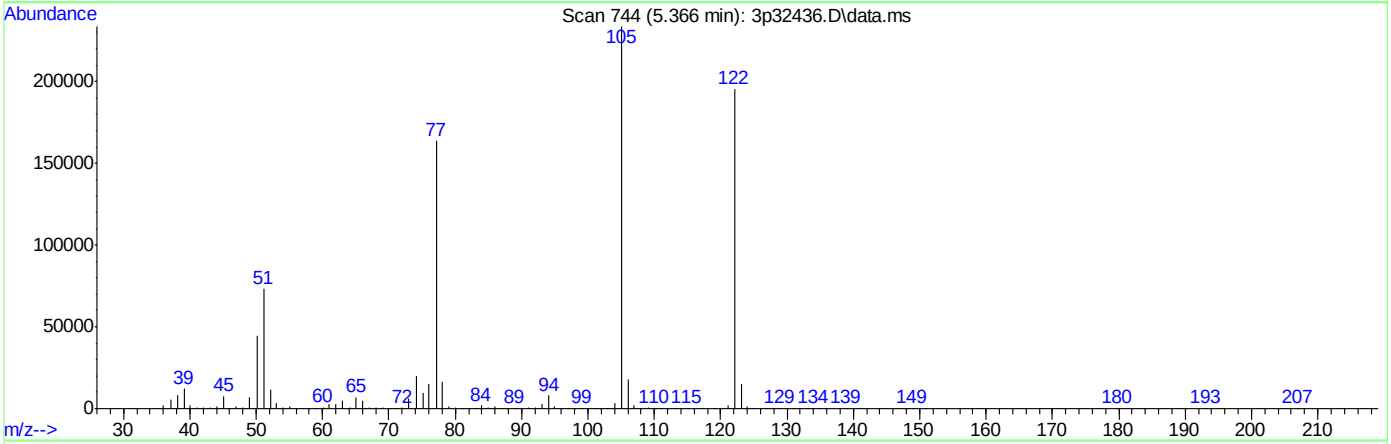
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.37	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:53:58 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration





TIC: 3p32436.D\data.ms

(31) Benzoic acid (t)

5.366min (-0.005) 91.62ppb

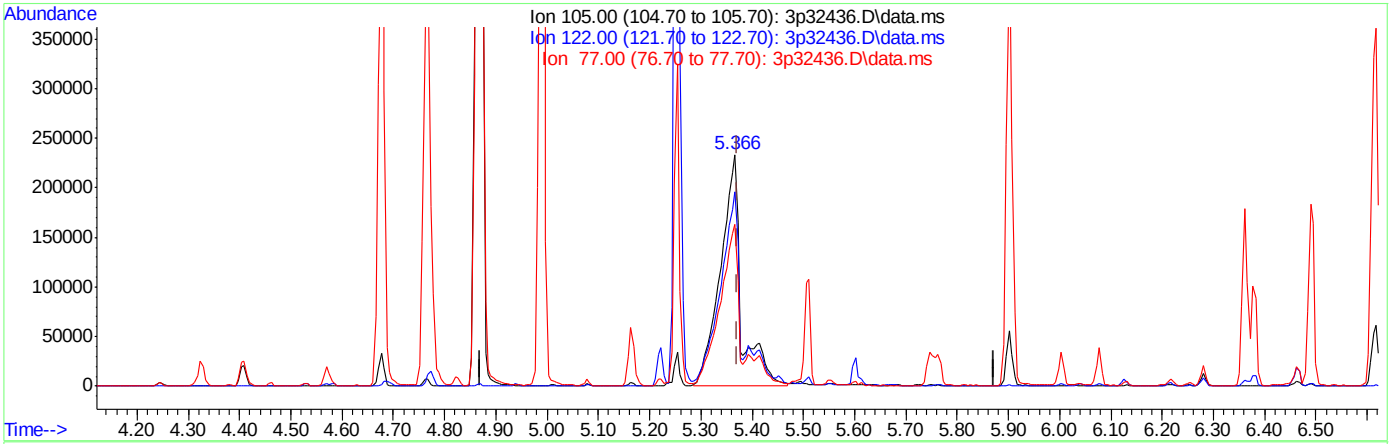
response 552349

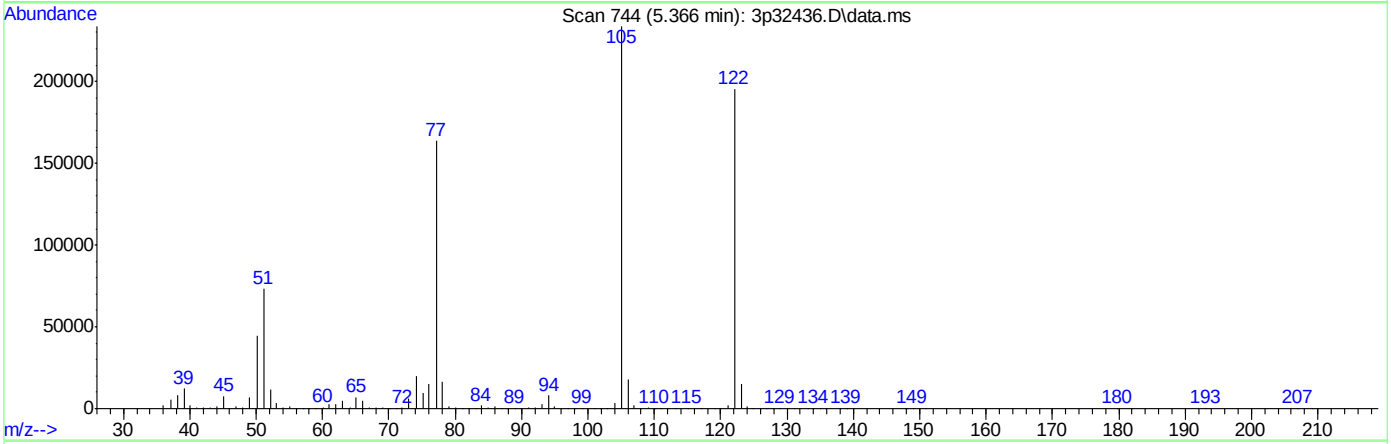
Ion	Exp%	Act%
105.00	100	100
122.00	81.90	82.37
77.00	71.10	69.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32436.D
Acq On : 6 Jun 2014 3:56 pm
Operator : samtap
Sample : ic1389-80
Misc : op75000,e3p1389,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 17:55:17 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:53:51 2014
Response via : Initial Calibration





TIC: 3p32436.D\data.ms

(31) Benzoic acid (t)

5.366min (-0.005) 109.86ppb m

response 662300

Ion	Exp%	Act%
105.00	100	100
122.00	81.90	83.68
77.00	71.10	70.01
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	268976	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	901751	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	512646	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	849673	40.00	ppb	-0.01
83) Chrysene-d12	13.870	240	859501	40.00	ppb	-0.02
91) Perylene-d12	16.903	264	759096	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	268976	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	512646	40.00	ppb	0.00
107) Chrysene-d12a	13.870	240	859501	40.00	ppb	-0.02
109) Naphthalene-d8a	5.489	136	901751	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	849673	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	441898	48.09	ppb	0.00
Spiked Amount 50.000			Recovery = 96.18%			
8) Phenol-d5	4.307	99	513882	49.02	ppb	-0.01
Spiked Amount 50.000			Recovery = 98.04%			
25) Nitrobenzene-d5	4.970	82	357862	48.20	ppb	0.00
Spiked Amount 50.000			Recovery = 96.40%			
51) 2-Fluorobiphenyl	6.275	172	752828	47.40	ppb	0.00
Spiked Amount 50.000			Recovery = 94.80%			
73) 2,4,6-Tribromophenol	7.720	330	107321	46.59	ppb	0.00
Spiked Amount 50.000			Recovery = 93.18%			
85) Terphenyl-d14	11.678	244	816239	48.30	ppb	-0.01
Spiked Amount 50.000			Recovery = 96.60%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.077	88	175056	39.53	ppb	97
3) Pyridine	2.408	79	455790	41.78	ppb	99
4) N-Nitrosodimethylamine	2.371	42	172018	43.34	ppb	100
6) Indene	4.756	116	667310	43.75	ppb	99
7) Cumene	3.981	105	1062681	44.12	ppb	98
9) Phenol	4.318	94	555948	48.05	ppb	85
10) Aniline	4.328	93	548536	50.39	ppb #	52
11) bis(2-Chloroethyl)ether	4.377	93	350649	48.39	ppb	98
12) 2-Chlorophenol	4.419	128	461990	47.51	ppb	96
13) Decane	4.462	43	287479	43.86	ppb	99
14) 1,3-Dichlorobenzene	4.526	146	524654	48.85	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	524218	48.82	ppb	98
16) Benzyl alcohol	4.671	108	259611	49.61	ppb	89
17) 1,2-Dichlorobenzene	4.692	146	484470	48.81	ppb	97
18) Acetophenone	4.863	105	518852	43.48	ppb	95
19) 2-Methylphenol	4.756	108	333787	47.81	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.772	45	332962	48.01	ppb	90
21) 3&4-Methylphenol	4.869	108	352243	48.86	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	220761	49.05	ppb		96
23) Hexachloroethane	4.944	201	169415	48.54	ppb		97
26) Nitrobenzene	4.986	77	366971	47.20	ppb		99
27) Quinoline	5.741	129	759561	42.78	ppb		99
28) Isophorone	5.158	82	639270	49.75	ppb		98
29) 2-Nitrophenol	5.216	139	221038	47.80	ppb		93
30) 2,4-Dimethylphenol	5.248	107	339467	51.08	ppb		95
31) Benzoic acid	5.334	105	251573	49.43	ppb		97
32) bis(2-Chloroethoxy)met...	5.313	93	363071	45.85	ppb		99
33) 2,4-Dichlorophenol	5.393	162	347644	49.19	ppb		98
34) 2,6-Dichlorophenol	5.553	162	328066	49.12	ppb		99
35) 1,3,5-Trichlorobenzene	5.227	180	404967	43.28	ppb		96
36) 1,2,4-Trichlorobenzene	5.452	180	378533	47.99	ppb		99
37) 1,2,3-Trichlorobenzene	5.612	180	362934	42.74	ppb		98
38) Naphthalene	5.505	128	1096452	48.16	ppb		99
39) 4-Chloroaniline	5.543	127	471824	50.65	ppb		97
40) 2,3-Dichloroaniline	6.211	161	412894	42.37	ppb		98
41) Caprolactam	5.799	113	116257	42.82	ppb		95
42) Hexachlorobutadiene	5.601	225	199278	47.45	ppb		100
43) 4-Chloro-3-methylphenol	5.890	107	317637	46.41	ppb		95
44) 2-Methylnaphthalene	6.003	141	678964	49.33	ppb		98
45) 1-Methylnaphthalene	6.072	141	666969	42.97	ppb		99
46) Dimethylnaphthalene	6.489	156	657405	42.46	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	408270	98.00	ppb		99
49) 2,4,6-Trichlorophenol	6.217	196	227146	47.30	ppb		98
50) 2,4,5-Trichlorophenol	6.249	196	244018	45.99	ppb		99
52) 2-Chloronaphthalene	6.377	162	706664	47.92	ppb		97
53) Biphenyl	6.356	154	905191	42.33	ppb		99
54) 2-Nitroaniline	6.457	65	181476	49.12	ppb		97
55) Dimethylphthalate	6.612	163	750570	45.05	ppb		99
56) Acenaphthylene	6.730	152	1157461	48.19	ppb		99
57) 2,6-Dinitrotoluene	6.660	165	172952	49.79	ppb		96
58) 3-Nitroaniline	6.816	138	219391	49.93	ppb		95
59) Acenaphthene	6.896	153	686964	46.35	ppb		96
60) 2,4-Dinitrophenol	6.917	184	160516	100.11	ppb	#	57
61) 4-Nitrophenol	6.987	109	98178	47.69	ppb		93
62) Dibenzofuran	7.067	168	980351	46.98	ppb		98
63) 2,4-Dinitrotoluene	7.046	165	241523	52.57	ppb		94
64) 2,3,4,6-Tetrachlorophenol	7.195	232	190502	48.13	ppb		99
65) Diethylphthalate	7.308	149	780667	46.86	ppb		100
66) Fluorene	7.431	166	794949	47.16	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	350164	47.31	ppb		91
68) 4-Nitroaniline	7.457	138	223836	51.27	ppb		97
70) 4,6-Dinitro-2-methylph...	7.490	198	116791	54.02	ppb		99
71) n-Nitrosodiphenylamine	7.570	169	523051	46.51	ppb		99
72) 1,2-Diphenylhydrazine	7.623	77	706072	48.58	ppb		98
74) 4-Bromophenyl-phenylether	8.040	248	207023	45.11	ppb		95
75) Hexachlorobenzene	8.131	284	237137	46.60	ppb		95
76) Pentachlorophenol	8.409	266	301466	96.87	ppb		98
77) Phenanthrene	8.709	178	1123522	46.77	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration

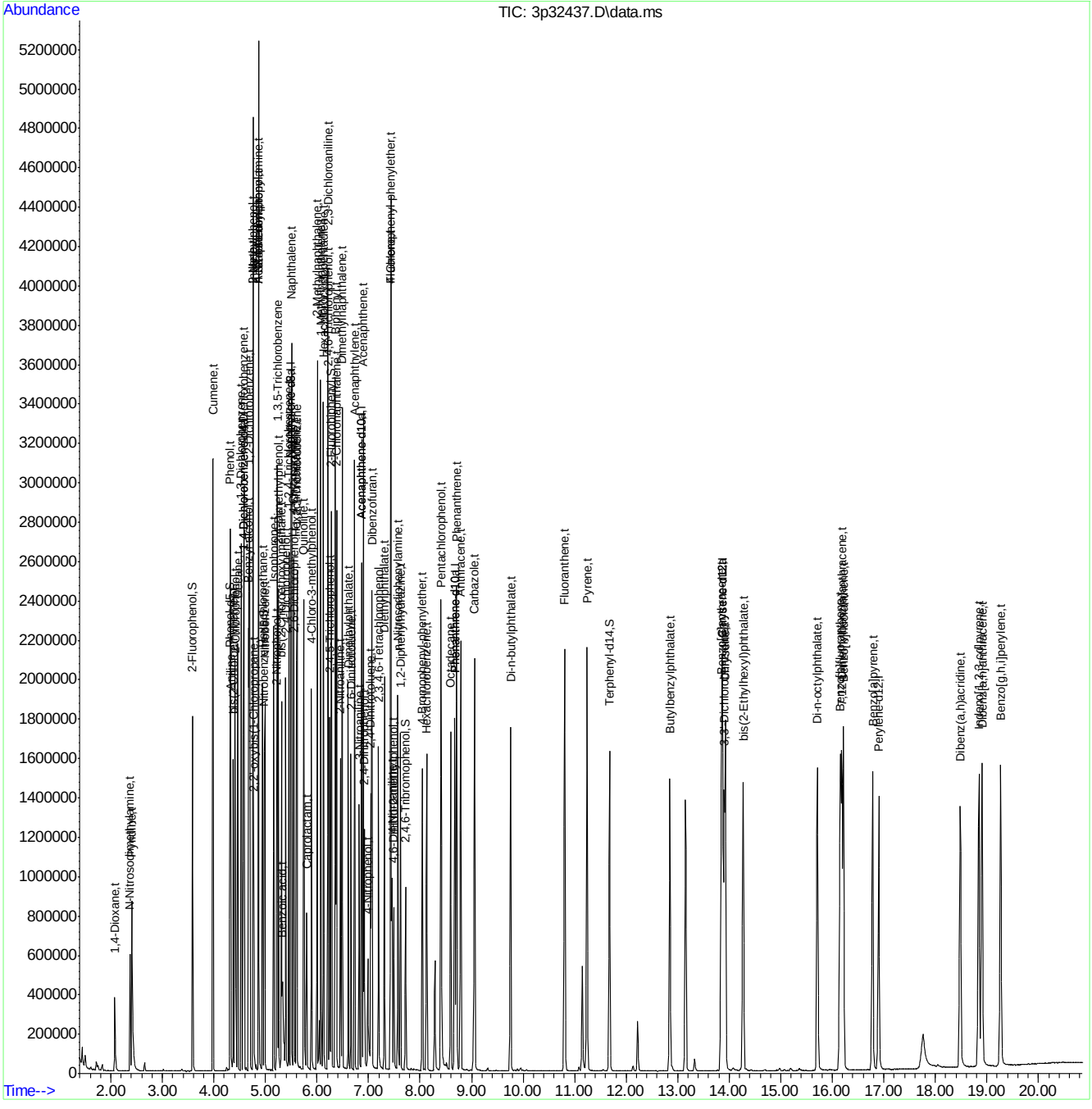
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.789	178	1104917	47.72	ppb	99
79) Carbazole	9.057	167	1122883	41.97	ppb	100
80) Di-n-butylphthalate	9.757	149	1413237	47.41	ppb	100
81) Fluoranthene	10.806	202	1280742	47.38	ppb	100
82) Octadecane	8.591	57	409843	43.25	ppb	98
84) Pyrene	11.244	202	1343754	47.51	ppb	99
86) Butylbenzylphthalate	12.849	149	645385	46.49	ppb	99
87) Benzo[a]anthracene	13.849	228	1118179	45.47	ppb	99
88) 3,3'-Dichlorobenzidine	13.903	252	427414	48.75	ppb	99
89) Chrysene	13.929	228	995231	47.45	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.272	149	847669	48.44	ppb	99
92) Di-n-octylphthalate	15.710	149	1523507	47.78	ppb	100
93) Benzo[b]fluoranthene	16.154	252	1121641	45.45	ppb	99
94) Benzo[k]fluoranthene	16.219	252	1111373	50.96	ppb	99
95) Benzo[a]pyrene	16.785	252	993521	46.59	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.845	276	1002128	47.05	ppb	96
97) Dibenz(a,h)acridine	18.486	279	927965	41.10	ppb	100
98) Dibenz[a,h]anthracene	18.909	278	972871	46.30	ppb	99
99) 7,12-Dimethylbenz(a)an...	16.186	256	526145	56.35	ppb	100
100) Benzo[g,h,i]perylene	19.267	276	997682	46.98	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32437.D
Acq On : 6 Jun 2014 4:22 pm
Operator : samtap
Sample : icc1389-50
Misc : op75000,e3p1389,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 17:56:51 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:55:39 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	292044	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	978031	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	550560	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	899777	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	892584	40.00	ppb	0.00
91) Perylene-d12	16.903	264	789197	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	292044	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	550560	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	892584	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	978031	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	899777	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	237391	24.02	ppb	0.00
Spiked Amount 50.000			Recovery = 48.04%			
8) Phenol-d5	4.307	99	279216	24.65	ppb	0.00
Spiked Amount 50.000			Recovery = 49.30%			
25) Nitrobenzene-d5	4.970	82	202057	25.32	ppb	0.00
Spiked Amount 50.000			Recovery = 50.64%			
51) 2-Fluorobiphenyl	6.275	172	431074	25.61	ppb	0.00
Spiked Amount 50.000			Recovery = 51.22%			
73) 2,4,6-Tribromophenol	7.720	330	57624	24.03	ppb	0.00
Spiked Amount 50.000			Recovery = 48.06%			
85) Terphenyl-d14	11.672	244	439666	25.27	ppb	0.00
Spiked Amount 50.000			Recovery = 50.54%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.077	88	96481	21.18	ppb	99
3) Pyridine	2.408	79	243121	21.40	ppb	98
4) N-Nitrosodimethylamine	2.371	42	90895	21.82	ppb	97
6) Indene	4.756	116	382984	23.87	ppb	99
7) Cumene	3.976	105	586806	23.12	ppb	98
9) Phenol	4.318	94	309103	24.85	ppb	99
10) Aniline	4.323	93	321858	27.18	ppb	90
11) bis(2-Chloroethyl)ether	4.377	93	191190	24.50	ppb	98
12) 2-Chlorophenol	4.414	128	251459	24.12	ppb	93
13) Decane	4.457	43	164673	23.87	ppb	92
14) 1,3-Dichlorobenzene	4.526	146	303602	26.19	ppb	100
15) 1,4-Dichlorobenzene	4.580	146	295563	25.50	ppb	100
16) Benzyl alcohol	4.671	108	147718	26.05	ppb	96
17) 1,2-Dichlorobenzene	4.692	146	275122	25.68	ppb	99
18) Acetophenone	4.863	105	293348	23.40	ppb	97
19) 2-Methylphenol	4.756	108	188269	25.11	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.767	45	191870	25.74	ppb	96
21) 3&4-Methylphenol	4.863	108	195413	25.11	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	124016	25.50	ppb		97
23) Hexachloroethane	4.944	201	95035	25.26	ppb		98
26) Nitrobenzene	4.981	77	212460	25.55	ppb		92
27) Quinoline	5.741	129	424988	22.90	ppb		100
28) Isophorone	5.158	82	354598	25.47	ppb		97
29) 2-Nitrophenol	5.216	139	122223	24.64	ppb		98
30) 2,4-Dimethylphenol	5.249	107	187409	25.86	ppb		99
31) Benzoic acid	5.313	105	124751	22.66	ppb		98
32) bis(2-Chloroethoxy)met...	5.313	93	210155	24.99	ppb		99
33) 2,4-Dichlorophenol	5.388	162	190160	24.91	ppb		96
34) 2,6-Dichlorophenol	5.548	162	182582	25.32	ppb		95
35) 1,3,5-Trichlorobenzene	5.227	180	229425	23.39	ppb		98
36) 1,2,4-Trichlorobenzene	5.452	180	211878	25.02	ppb		99
37) 1,2,3-Trichlorobenzene	5.607	180	205707	23.18	ppb		96
38) Naphthalene	5.505	128	623114	25.47	ppb		99
39) 4-Chloroaniline	5.543	127	269605	26.60	ppb		98
40) 2,3-Dichloroaniline	6.211	161	233608	22.98	ppb		99
41) Caprolactam	5.789	113	64854	22.85	ppb		98
42) Hexachlorobutadiene	5.602	225	112993	25.13	ppb		98
43) 4-Chloro-3-methylphenol	5.890	107	173927	23.86	ppb		98
44) 2-Methylnaphthalene	6.003	141	370509	24.90	ppb		99
45) 1-Methylnaphthalene	6.072	141	378602	23.31	ppb		99
46) Dimethylnaphthalene	6.484	156	380108	23.52	ppb		98
48) Hexachlorocyclopentadiene	6.126	237	215576	48.43	ppb		99
49) 2,4,6-Trichlorophenol	6.217	196	126478	24.86	ppb		100
50) 2,4,5-Trichlorophenol	6.243	196	133315	23.87	ppb		100
52) 2-Chloronaphthalene	6.372	162	399459	25.49	ppb		95
53) Biphenyl	6.356	154	522851	23.68	ppb		99
54) 2-Nitroaniline	6.452	65	97449	24.67	ppb		91
55) Dimethylphthalate	6.607	163	416196	23.85	ppb		100
56) Acenaphthylene	6.730	152	640108	25.04	ppb		100
57) 2,6-Dinitrotoluene	6.661	165	92760	24.89	ppb		95
58) 3-Nitroaniline	6.816	138	120136	25.47	ppb		98
59) Acenaphthene	6.896	153	388070	24.83	ppb		99
60) 2,4-Dinitrophenol	6.912	184	66875	38.83	ppb		76
61) 4-Nitrophenol	6.987	109	51424	23.53	ppb	#	83
62) Dibenzofuran	7.062	168	544910	24.69	ppb		99
63) 2,4-Dinitrotoluene	7.040	165	128819	25.78	ppb		91
64) 2,3,4,6-Tetrachlorophenol	7.195	232	99963	23.74	ppb		99
65) Diethylphthalate	7.308	149	429922	24.41	ppb		100
66) Fluorene	7.431	166	442419	24.79	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	195483	24.93	ppb		98
68) 4-Nitroaniline	7.452	138	125881	26.68	ppb		100
70) 4,6-Dinitro-2-methylph...	7.490	198	52057	22.29	ppb		93
71) n-Nitrosodiphenylamine	7.570	169	287818	24.60	ppb		98
72) 1,2-Diphenylhydrazine	7.618	77	391312	25.61	ppb		96
74) 4-Bromophenyl-phenylether	8.041	248	113515	23.94	ppb		97
75) Hexachlorobenzene	8.126	284	129732	24.49	ppb		91
76) Pentachlorophenol	8.404	266	149816	45.82	ppb		97
77) Phenanthrene	8.709	178	620665	24.80	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	630091	25.99	ppb	99
79) Carbazole	9.051	167	623211	22.91	ppb	100
80) Di-n-butylphthalate	9.752	149	755708	24.25	ppb	99
81) Fluoranthene	10.800	202	687888	24.35	ppb	99
82) Octadecane	8.591	57	225148	23.22	ppb	100
84) Pyrene	11.239	202	728865	25.13	ppb	100
86) Butylbenzylphthalate	12.849	149	345631	24.40	ppb	100
87) Benzo[a]anthracene	13.849	228	603556	24.18	ppb	99
88) 3,3'-Dichlorobenzidine	13.897	252	231723	25.61	ppb	98
89) Chrysene	13.919	228	553431	25.74	ppb	99
90) bis(2-Ethylhexyl)phtha...	14.272	149	452709	25.11	ppb	98
92) Di-n-octylphthalate	15.705	149	792142	24.16	ppb	99
93) Benzo[b]fluoranthene	16.149	252	621482	24.78	ppb	99
94) Benzo[k]fluoranthene	16.208	252	589216	25.86	ppb	99
95) Benzo[a]pyrene	16.780	252	531631	24.40	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.834	276	527323	24.17	ppb	97
97) Dibenz(a,h)acridine	18.476	279	489402	21.82	ppb	98
98) Dibenz[a,h]anthracene	18.898	278	525255	24.50	ppb	99
99) 7,12-Dimethylbenz(a)an...	16.176	256	261849	26.14	ppb	98
100) Benzo[g,h,i]perylene	19.262	276	524074	24.10	ppb	99

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

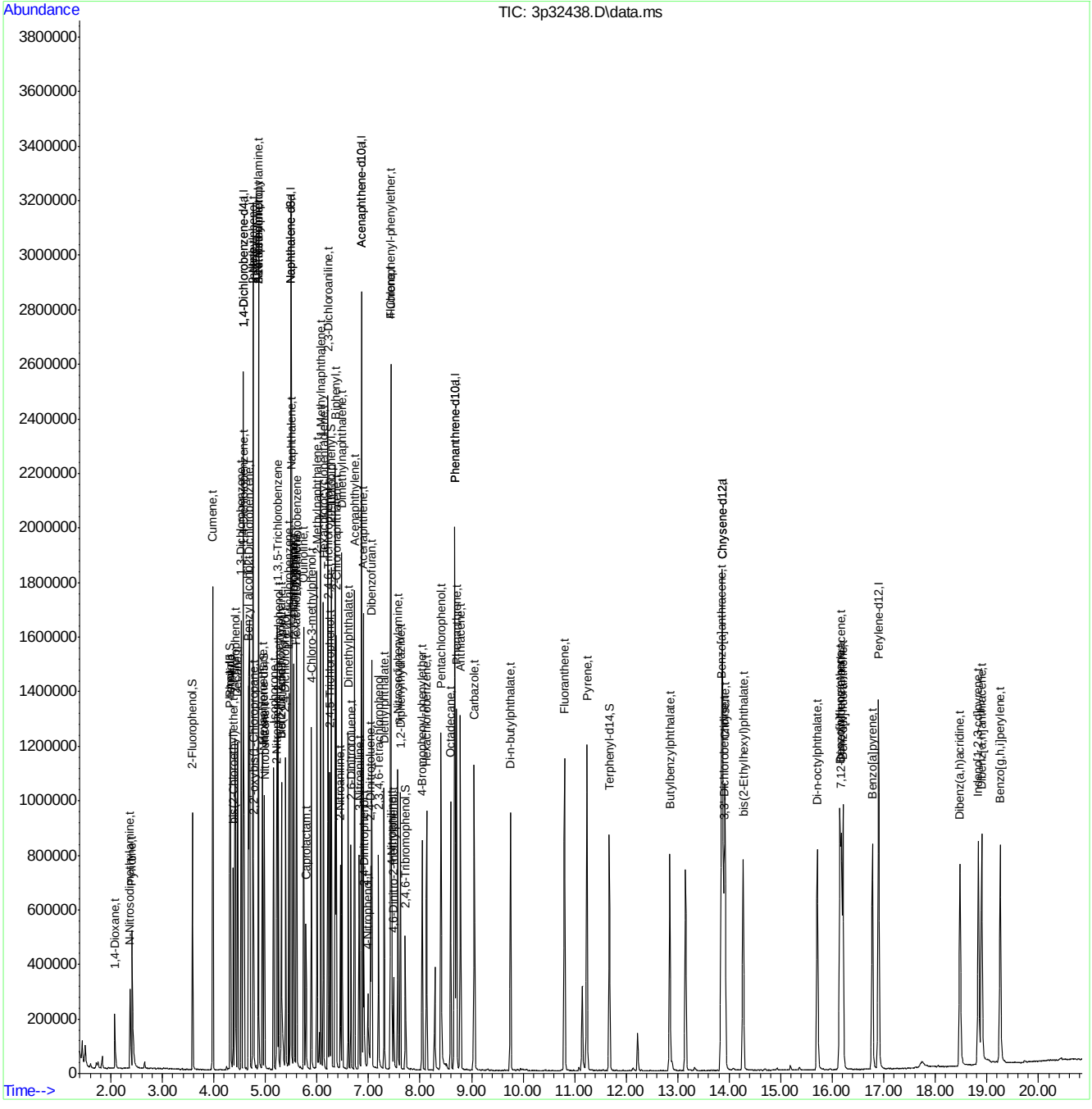
9.6.32

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32438.D
Acq On : 6 Jun 2014 4:47 pm
Operator : samtap
Sample : ic1389-25
Misc : op75000,e3p1389,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 17:58:43 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:57:05 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/10/14 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	446679	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1484465	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	815818	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1335031	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	1333918	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1156985	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	446679	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	815818	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	1333918	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1484465	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1335031	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	143571	9.57	ppb	0.00
Spiked Amount 50.000			Recovery =	19.14%		
8) Phenol-d5	4.307	99	170000	9.84	ppb	0.00
Spiked Amount 50.000			Recovery =	19.68%		
25) Nitrobenzene-d5	4.970	82	126904	10.45	ppb	0.00
Spiked Amount 50.000			Recovery =	20.90%		
51) 2-Fluorobiphenyl	6.275	172	270011	10.77	ppb	0.00
Spiked Amount 50.000			Recovery =	21.54%		
73) 2,4,6-Tribromophenol	7.714	330	33716	9.55	ppb	0.00
Spiked Amount 50.000			Recovery =	19.10%		
85) Terphenyl-d14	11.672	244	263619	10.12	ppb	0.00
Spiked Amount 50.000			Recovery =	20.24%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.082	88	65809	9.74	ppb	98
3) Pyridine	2.414	79	155375	9.21	ppb	99
4) N-Nitrosodimethylamine	2.376	42	56675	9.13	ppb	98
6) Indene	4.756	116	273171	11.23	ppb	99
7) Cumene	3.981	105	408507	10.68	ppb	99
9) Phenol	4.313	94	189505	9.97	ppb	95
10) Aniline	4.323	93	188253	10.22	ppb	91
11) bis(2-Chloroethyl)ether	4.377	93	121001	10.18	ppb	97
12) 2-Chlorophenol	4.414	128	162822	10.28	ppb	94
13) Decane	4.457	43	120491	11.52	ppb	90
14) 1,3-Dichlorobenzene	4.526	146	186766	10.43	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	184869	10.39	ppb	100
16) Benzyl alcohol	4.671	108	91046	10.41	ppb	92
17) 1,2-Dichlorobenzene	4.692	146	171391	10.40	ppb	97
18) Acetophenone	4.858	105	213004	11.25	ppb	94
19) 2-Methylphenol	4.756	108	122128	10.64	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.767	45	124257	10.83	ppb	97
21) 3&4-Methylphenol	4.863	108	127751	10.72	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	81376	10.90	ppb		96
23) Hexachloroethane	4.944	201	59222	10.27	ppb		99
26) Nitrobenzene	4.981	77	131092	10.34	ppb		95
27) Quinoline	5.741	129	301174	10.87	ppb		99
28) Isophorone	5.152	82	223012	10.52	ppb		95
29) 2-Nitrophenol	5.216	139	72679	9.68	ppb		97
30) 2,4-Dimethylphenol	5.249	107	106367	9.60	ppb		99
31) Benzoic acid	5.323	105	70609m	8.61	ppb		
32) bis(2-Chloroethoxy)met...	5.313	93	134289	10.52	ppb		99
33) 2,4-Dichlorophenol	5.388	162	120804	10.43	ppb		97
34) 2,6-Dichlorophenol	5.548	162	116091	10.58	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	161871	11.02	ppb		99
36) 1,2,4-Trichlorobenzene	5.452	180	131210	10.21	ppb		99
37) 1,2,3-Trichlorobenzene	5.607	180	144505	10.89	ppb		97
38) Naphthalene	5.505	128	394230	10.58	ppb		100
39) 4-Chloroaniline	5.543	127	165002	10.59	ppb		98
40) 2,3-Dichloroaniline	6.211	161	164053	10.81	ppb		99
41) Caprolactam	5.783	113	43594	10.30	ppb		96
42) Hexachlorobutadiene	5.602	225	68920	10.09	ppb		98
43) 4-Chloro-3-methylphenol	5.890	107	109681	10.00	ppb	#	100
44) 2-Methylnaphthalene	5.997	141	234538	10.39	ppb		98
45) 1-Methylnaphthalene	6.072	141	265297	10.91	ppb		99
46) Dimethylnaphthalene	6.484	156	271425	11.20	ppb		99
48) Hexachlorocyclopentadiene	6.126	237	129654	19.78	ppb		99
49) 2,4,6-Trichlorophenol	6.211	196	75931	10.08	ppb		97
50) 2,4,5-Trichlorophenol	6.243	196	86446	10.54	ppb		98
52) 2-Chloronaphthalene	6.372	162	247376	10.61	ppb		95
53) Biphenyl	6.356	154	360011	11.12	ppb		100
54) 2-Nitroaniline	6.452	65	59369	10.17	ppb		93
55) Dimethylphthalate	6.607	163	262696	10.25	ppb		99
56) Acenaphthylene	6.730	152	399766	10.55	ppb		99
57) 2,6-Dinitrotoluene	6.661	165	54123	9.81	ppb		95
58) 3-Nitroaniline	6.816	138	72264	10.30	ppb		94
59) Acenaphthene	6.896	153	241898	10.46	ppb		98
60) 2,4-Dinitrophenol	6.912	184	31261	12.82	ppb		86
61) 4-Nitrophenol	6.992	109	30562	9.55	ppb	#	77
62) Dibenzofuran	7.062	168	337088	10.33	ppb		99
63) 2,4-Dinitrotoluene	7.040	165	76164	10.22	ppb		94
64) 2,3,4,6-Tetrachlorophenol	7.195	232	60254	9.75	ppb		98
65) Diethylphthalate	7.302	149	269985	10.40	ppb		99
66) Fluorene	7.431	166	276266	10.46	ppb		98
67) 4-Chlorophenyl-phenyle...	7.431	204	123603	10.64	ppb		99
68) 4-Nitroaniline	7.447	138	74662	10.54	ppb		96
70) 4,6-Dinitro-2-methylph...	7.484	198	27103	8.00	ppb		97
71) n-Nitrosodiphenylamine	7.570	169	179971	10.40	ppb		100
72) 1,2-Diphenylhydrazine	7.618	77	240176	10.54	ppb		96
74) 4-Bromophenyl-phenylether	8.041	248	69073	9.90	ppb		97
75) Hexachlorobenzene	8.126	284	78122	9.98	ppb		92
76) Pentachlorophenol	8.404	266	88668	18.59	ppb		98
77) Phenanthrene	8.704	178	383205	10.34	ppb		100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	375535	10.36	ppb	99
79) Carbazole	9.051	167	435367	10.97	ppb	100
80) Di-n-butylphthalate	9.752	149	461679	10.05	ppb	100
81) Fluoranthene	10.800	202	417107	10.00	ppb	99
82) Octadecane	8.591	57	156345	11.02	ppb	99
84) Pyrene	11.239	202	453477	10.45	ppb	100
86) Butylbenzylphthalate	12.849	149	210492	9.99	ppb	99
87) Benzo[a]anthracene	13.849	228	369299	9.97	ppb	99
88) 3,3'-Dichlorobenzidine	13.897	252	136650	10.06	ppb	99
89) Chrysene	13.919	228	336522	10.41	ppb	98
90) bis(2-Ethylhexyl)phtha...	14.266	149	274218	10.17	ppb	99
92) Di-n-octylphthalate	15.705	149	468490	9.81	ppb	100
93) Benzo[b]fluoranthene	16.144	252	365514	9.96	ppb	99
94) Benzo[k]fluoranthene	16.203	252	362672	10.78	ppb	99
95) Benzo[a]pyrene	16.775	252	317719	9.99	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.829	276	311051	9.79	ppb	96
97) Dibenz(a,h)acridine	18.476	279	327021	10.21	ppb	99
98) Dibenz[a,h]anthracene	18.893	278	309402	9.88	ppb	97
99) 7,12-Dimethylbenz(a)an...	16.170	256	102291	6.90	ppb	97
100) Benzo[g,h,i]perylene	19.257	276	316615	10.00	ppb	99

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

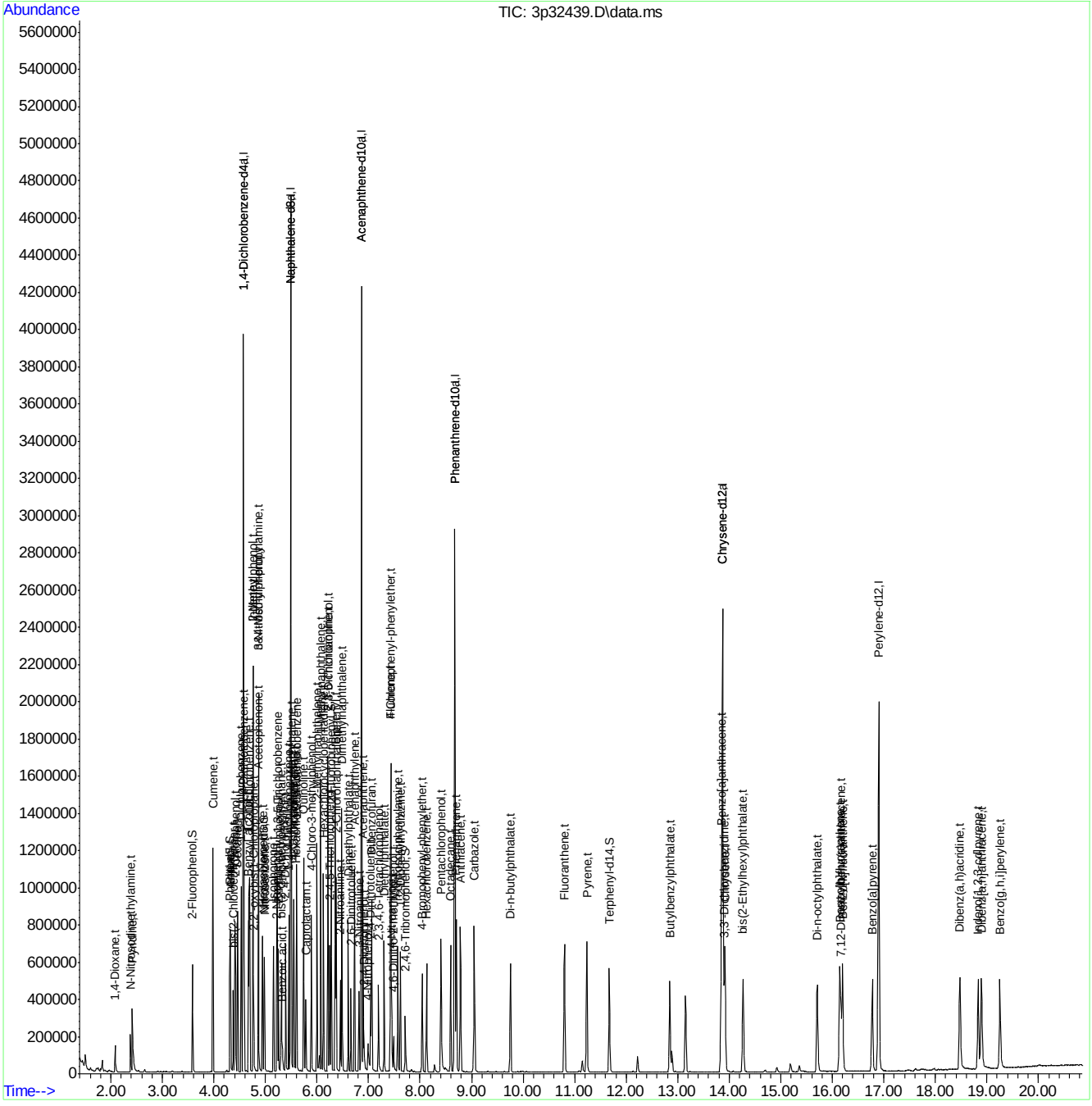
9.6.33

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

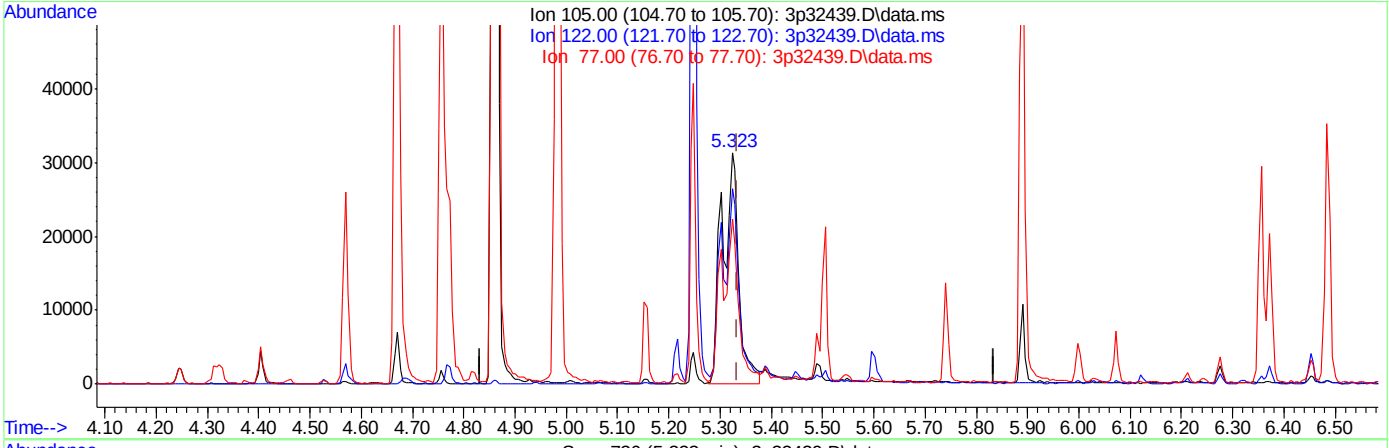
Sample Number:	E3P1389-IC1389	**Method:**	SW846 8270D
Lab FileID:	3P32439.D	**Analyst approved:**	06/07/14 15:50 Kristi Schollenberger
Injection Time:	06/06/14 17:13	**Supervisor approved:**	06/10/14 15:02 Nina Pandya

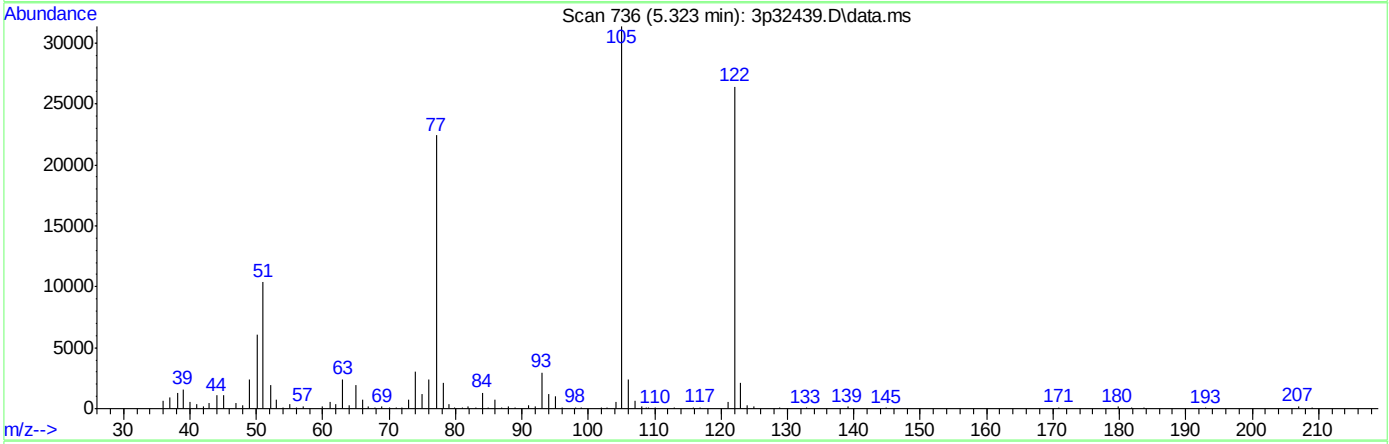
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.32	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32439.D
Acq On : 6 Jun 2014 5:13 pm
Operator : samtap
Sample : ic1389-10
Misc : op75000,e3p1389,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 18:00:46 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 17:58:58 2014
Response via : Initial Calibration





TIC: 3p32439.D\data.ms

(31) Benzoic acid (t)

5.323min (-0.011) 8.61ppb m

response 70609

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	84.29
77.00	70.30	71.49
0.00	0.00	0.00

3P32439.D edits: Benzoic acid

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	474622	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1607743	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	899050	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1451934	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1403912	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1252885	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	474622	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	899050	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1403912	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1607743	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1451934	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	29962	1.89	ppb	0.00
Spiked Amount 50.000			Recovery =	3.78%		
8) Phenol-d5	4.307	99	35562	1.94	ppb	0.00
Spiked Amount 50.000			Recovery =	3.88%		
25) Nitrobenzene-d5	4.970	82	25820	1.95	ppb	0.00
Spiked Amount 50.000			Recovery =	3.90%		
51) 2-Fluorobiphenyl	6.275	172	60528	2.16	ppb	0.00
Spiked Amount 50.000			Recovery =	4.32%		
73) 2,4,6-Tribromophenol	7.720	330	6311	1.66	ppb	0.00
Spiked Amount 50.000			Recovery =	3.32%		
85) Terphenyl-d14	11.672	244	54585	1.99	ppb	0.00
Spiked Amount 50.000			Recovery =	3.98%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.082	88	13957	1.95	ppb	98
3) Pyridine	2.430	79	35768	2.02	ppb	98
4) N-Nitrosodimethylamine	2.382	42	12187	1.87	ppb	96
6) Indene	4.756	116	61651	2.34	ppb	100
7) Cumene	3.976	105	86868	2.11	ppb	99
9) Phenol	4.313	94	41671	2.06	ppb	96
10) Aniline	4.323	93	46293	2.36	ppb	89
11) bis(2-Chloroethyl)ether	4.377	93	27003	2.13	ppb	95
12) 2-Chlorophenol	4.414	128	35163	2.08	ppb	95
13) Decane	4.457	43	26344	2.31	ppb	92
14) 1,3-Dichlorobenzene	4.526	146	41947	2.19	ppb	94
15) 1,4-Dichlorobenzene	4.580	146	42271	2.22	ppb	95
16) Benzyl alcohol	4.671	108	19041	2.03	ppb	95
17) 1,2-Dichlorobenzene	4.692	146	39598	2.25	ppb	97
18) Acetophenone	4.858	105	48169	2.35	ppb	93
19) 2-Methylphenol	4.756	108	24326	1.97	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.767	45	28236	2.29	ppb	95
21) 3&4-Methylphenol	4.863	108	26220	2.05	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	18572	2.31	ppb		97
23) Hexachloroethane	4.944	201	12805	2.08	ppb		99
26) Nitrobenzene	4.981	77	28471	2.06	ppb		92
27) Quinoline	5.741	129	66244	2.18	ppb		99
28) Isophorone	5.152	82	49874	2.15	ppb		96
29) 2-Nitrophenol	5.216	139	14229	1.76	ppb		95
30) 2,4-Dimethylphenol	5.249	107	14338	1.20	ppb		98
31) Benzoic acid	5.302	105	9234	1.06	ppb		96
32) bis(2-Chloroethoxy)met...	5.313	93	30435	2.18	ppb		99
33) 2,4-Dichlorophenol	5.393	162	26729	2.12	ppb		96
34) 2,6-Dichlorophenol	5.548	162	24085	2.01	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	35941	2.22	ppb		96
36) 1,2,4-Trichlorobenzene	5.452	180	30948	2.22	ppb		98
37) 1,2,3-Trichlorobenzene	5.607	180	32274	2.21	ppb		98
38) Naphthalene	5.505	128	89710	2.20	ppb		98
39) 4-Chloroaniline	5.543	127	37436	2.20	ppb		94
40) 2,3-Dichloroaniline	6.211	161	36862	2.21	ppb		97
41) Caprolactam	5.773	113	9210	2.00	ppb		92
42) Hexachlorobutadiene	5.602	225	15675	2.12	ppb		96
43) 4-Chloro-3-methylphenol	5.890	107	23634	1.99	ppb	#	99
44) 2-Methylnaphthalene	5.997	141	52834	2.15	ppb		97
45) 1-Methylnaphthalene	6.072	141	59955	2.24	ppb		98
46) Dimethylnaphthalene	6.484	156	60458	2.26	ppb		98
48) Hexachlorocyclopentadiene	6.126	237	22389	3.11	ppb		99
49) 2,4,6-Trichlorophenol	6.211	196	15669	1.89	ppb		97
50) 2,4,5-Trichlorophenol	6.249	196	18732	2.05	ppb		99
52) 2-Chloronaphthalene	6.372	162	57265	2.21	ppb		94
53) Biphenyl	6.356	154	84514	2.33	ppb		100
54) 2-Nitroaniline	6.452	65	11447	1.77	ppb		83
55) Dimethylphthalate	6.607	163	60211	2.12	ppb		99
56) Acenaphthylene	6.730	152	89279	2.12	ppb		99
57) 2,6-Dinitrotoluene	6.661	165	10146	1.67	ppb		89
58) 3-Nitroaniline	6.816	138	14355	1.85	ppb		92
59) Acenaphthene	6.891	153	54398	2.12	ppb		99
60) 2,4-Dinitrophenol	6.923	184	3026	1.20	ppb	#	41
61) 4-Nitrophenol	7.003	109	5226	1.49	ppb		92
62) Dibenzofuran	7.062	168	78126	2.16	ppb		100
63) 2,4-Dinitrotoluene	7.040	165	12738	1.55	ppb		98
64) 2,3,4,6-Tetrachlorophenol	7.195	232	11279	1.66	ppb		95
65) Diethylphthalate	7.302	149	58665	2.04	ppb		99
66) Fluorene	7.431	166	61835	2.11	ppb		99
67) 4-Chlorophenyl-phenyle...	7.431	204	27542	2.13	ppb		99
68) 4-Nitroaniline	7.452	138	14465	1.84	ppb		94
70) 4,6-Dinitro-2-methylph...	7.490	198	2566	0.72	ppb		97
71) n-Nitrosodiphenylamine	7.570	169	39871	2.10	ppb		97
72) 1,2-Diphenylhydrazine	7.618	77	51813	2.07	ppb		97
74) 4-Bromophenyl-phenylether	8.041	248	14782	1.95	ppb		98
75) Hexachlorobenzene	8.126	284	17468	2.05	ppb		96
76) Pentachlorophenol	8.410	266	12070	2.35	ppb		94
77) Phenanthrene	8.704	178	87088	2.15	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	8.784	178	82357	2.08	ppb	99
79) Carbazole	9.051	167	91926	2.10	ppb	99
80) Di-n-butylphthalate	9.752	149	93282	1.86	ppb	99
81) Fluoranthene	10.800	202	87401	1.93	ppb	99
82) Octadecane	8.591	57	31552	2.01	ppb	99
84) Pyrene	11.234	202	94863	2.06	ppb	98
86) Butylbenzylphthalate	12.844	149	38831	1.75	ppb	97
87) Benzo[a]anthracene	13.849	228	79984	2.05	ppb	98
88) 3,3'-Dichlorobenzidine	13.897	252	26406	1.84	ppb	96
89) Chrysene	13.919	228	70600	2.06	ppb	98
90) bis(2-Ethylhexyl)phtha...	14.266	149	49233	1.73	ppb	94
92) Di-n-octylphthalate	15.705	149	77962	1.51	ppb	99
93) Benzo[b]fluoranthene	16.144	252	69056	1.74	ppb	98
94) Benzo[k]fluoranthene	16.197	252	73706	2.00	ppb	96
95) Benzo[a]pyrene	16.775	252	63060	1.83	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.829	276	56750	1.66	ppb	96
97) Dibenz(a,h)acridine	18.476	279	60485	1.74	ppb	98
98) Dibenz[a,h]anthracene	18.893	278	59998	1.77	ppb	98
99) 7,12-Dimethylbenz(a)an...	16.165	256	8870	0.58	ppb	90
100) Benzo[g,h,i]perylene	19.251	276	65376	1.91	ppb	97

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

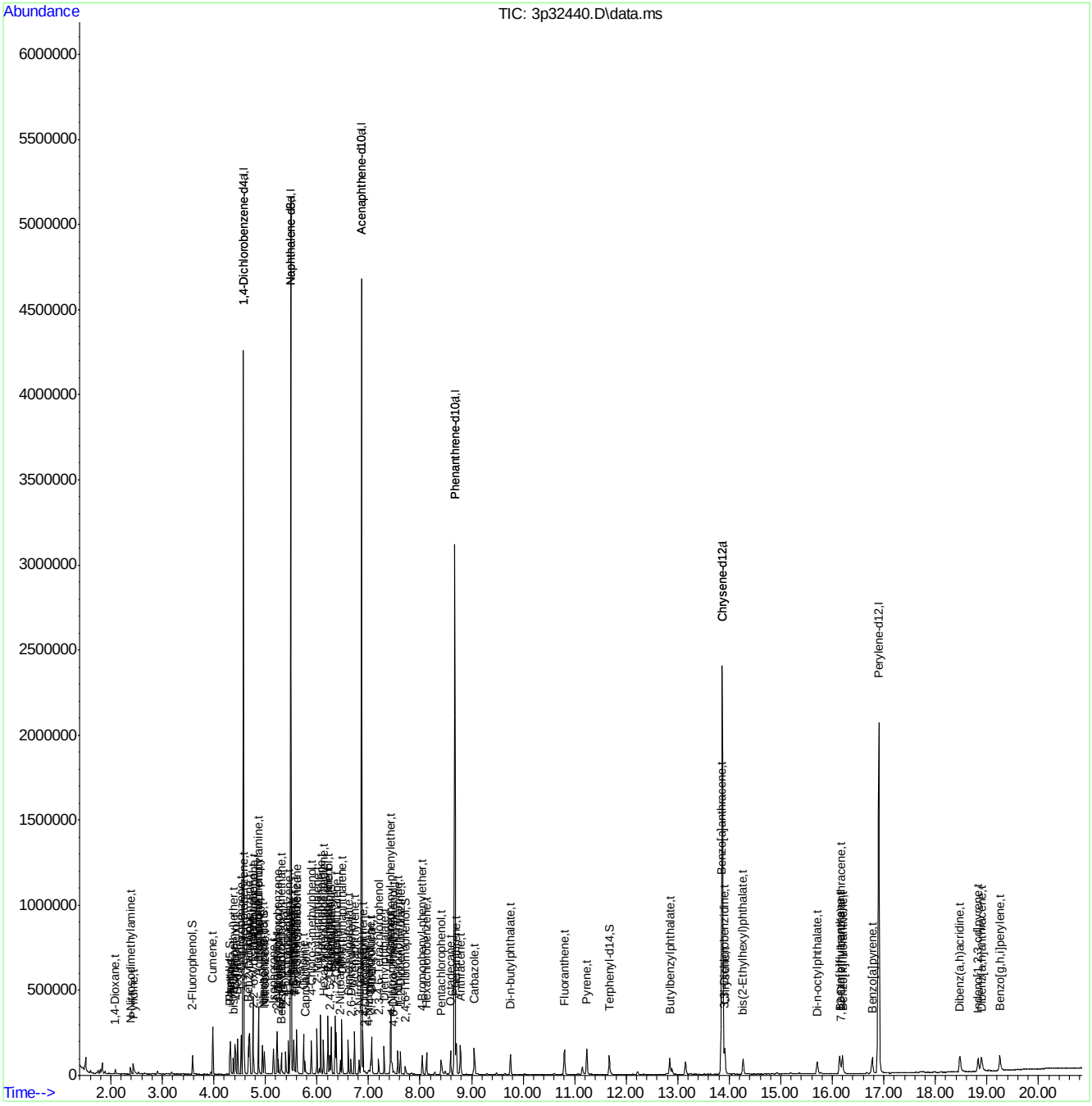
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32440.D
Acq On : 6 Jun 2014 5:39 pm
Operator : samtap
Sample : ic1389-2
Misc : op75000,e3p1389,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 18:02:11 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Fri Jun 06 18:00:56 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	499878	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1658183	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	909453	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1467182	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	1455949	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1302313	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	499878	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	909453	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	1455949	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1658183	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1467182	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	82790	5.01	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.02%	
8) Phenol-d5	4.307	99	98343	5.11	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.22%	
25) Nitrobenzene-d5	4.970	82	72066	5.25	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.50%	
51) 2-Fluorobiphenyl	6.275	172	155362	5.37	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.74%	
73) 2,4,6-Tribromophenol	7.720	330	17657	4.74	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.48%	
85) Terphenyl-d14	11.672	244	148814	5.20	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.40%	
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						Qvalue
2) 1,4-Dioxane	2.082	88	36957	4.94	ppb	99
3) Pyridine	2.419	79	91715	4.92	ppb	99
4) N-Nitrosodimethylamine	2.376	42	32566	4.82	ppb	98
6) Indene	4.756	116	164509	5.67	ppb	100
7) Cumene	3.981	105	239796	5.43	ppb	99
9) Phenol	4.313	94	112180	5.22	ppb	95
10) Aniline	4.323	93	116613	5.43	ppb	90
11) bis(2-Chloroethyl)ether	4.377	93	73276	5.38	ppb	95
12) 2-Chlorophenol	4.414	128	96029	5.31	ppb	94
13) Decane	4.457	43	69877	5.60	ppb	92
14) 1,3-Dichlorobenzene	4.526	146	112316	5.43	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	110390	5.36	ppb	99
16) Benzyl alcohol	4.671	108	51521	5.19	ppb	94
17) 1,2-Dichlorobenzene	4.692	146	102215	5.36	ppb	98
18) Acetophenone	4.858	105	126570	5.61	ppb	93
19) 2-Methylphenol	4.756	108	71397	5.44	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.773	45	74518	5.53	ppb	99
21) 3&4-Methylphenol	4.863	108	72724	5.32	ppb	98

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	4.863	70	46991	5.36	ppb		96
23) Hexachloroethane	4.944	201	33911	5.18	ppb		95
26) Nitrobenzene	4.981	77	75441	5.24	ppb		95
27) Quinoline	5.741	129	173345	5.39	ppb		99
28) Isophorone	5.152	82	128224	5.27	ppb		96
29) 2-Nitrophenol	5.216	139	40412	4.94	ppb		95
30) 2,4-Dimethylphenol	5.249	107	55951	4.85	ppb		97
31) Benzoic acid	5.313	105	34750	3.79	ppb		98
32) bis(2-Chloroethoxy)met...	5.313	93	77108	5.25	ppb		98
33) 2,4-Dichlorophenol	5.393	162	66312	5.04	ppb		99
34) 2,6-Dichlorophenol	5.548	162	66122	5.29	ppb		96
35) 1,3,5-Trichlorobenzene	5.227	180	96272	5.58	ppb		99
36) 1,2,4-Trichlorobenzene	5.452	180	78731	5.33	ppb		99
37) 1,2,3-Trichlorobenzene	5.607	180	86548	5.57	ppb		97
38) Naphthalene	5.505	128	228495	5.31	ppb		99
39) 4-Chloroaniline	5.543	127	96456	5.36	ppb		99
40) 2,3-Dichloroaniline	6.211	161	96212	5.44	ppb		99
41) Caprolactam	5.778	113	25675	5.35	ppb		93
42) Hexachlorobutadiene	5.602	225	41282	5.31	ppb		99
43) 4-Chloro-3-methylphenol	5.890	107	61756	5.04	ppb	#	98
44) 2-Methylnaphthalene	5.997	141	137379	5.31	ppb		97
45) 1-Methylnaphthalene	6.072	141	156150	5.49	ppb		98
46) Dimethylnaphthalene	6.484	156	156874	5.50	ppb		97
48) Hexachlorocyclopentadiene	6.126	237	69022	9.80	ppb		98
49) 2,4,6-Trichlorophenol	6.211	196	42915	5.13	ppb		97
50) 2,4,5-Trichlorophenol	6.243	196	49250	5.28	ppb		98
52) 2-Chloronaphthalene	6.372	162	146628	5.44	ppb		96
53) Biphenyl	6.356	154	215858	5.63	ppb		99
54) 2-Nitroaniline	6.452	65	32613	5.07	ppb		89
55) Dimethylphthalate	6.607	163	151338	5.20	ppb		100
56) Acenaphthylene	6.730	152	232470	5.35	ppb		99
57) 2,6-Dinitrotoluene	6.661	165	28683	4.82	ppb		94
58) 3-Nitroaniline	6.816	138	38707	4.98	ppb		96
59) Acenaphthene	6.891	153	137027	5.20	ppb		98
60) 2,4-Dinitrophenol	6.912	184	11267	11.71	ppb	#	39
61) 4-Nitrophenol	6.992	109	15190	4.51	ppb		99
62) Dibenzofuran	7.062	168	193405	5.20	ppb		100
63) 2,4-Dinitrotoluene	7.040	165	39613	4.92	ppb		96
64) 2,3,4,6-Tetrachlorophenol	7.195	232	33527	5.01	ppb		97
65) Diethylphthalate	7.302	149	154559	5.25	ppb		98
66) Fluorene	7.431	166	156466	5.20	ppb		100
67) 4-Chlorophenyl-phenyle...	7.431	204	71587	5.36	ppb		97
68) 4-Nitroaniline	7.447	138	40288	5.10	ppb		95
70) 4,6-Dinitro-2-methylph...	7.484	198	11211	5.61	ppb		96
71) n-Nitrosodiphenylamine	7.570	169	103838	5.33	ppb		98
72) 1,2-Diphenylhydrazine	7.618	77	140031	5.44	ppb		96
74) 4-Bromophenyl-phenylether	8.041	248	38651	5.06	ppb		99
75) Hexachlorobenzene	8.126	284	45097	5.20	ppb		93
76) Pentachlorophenol	8.410	266	41860	7.90	ppb		96
77) Phenanthrene	8.704	178	218586	5.24	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Anthracene	8.784	178	214598	5.28	ppb	99
79)	Carbazole	9.051	167	245243	5.43	ppb	98
80)	Di-n-butylphthalate	9.752	149	251910	5.03	ppb	99
81)	Fluoranthene	10.800	202	235990	5.15	ppb	100
82)	Octadecane	8.591	57	89055	5.53	ppb	99
84)	Pyrene	11.239	202	253023	5.24	ppb	98
86)	Butylbenzylphthalate	12.844	149	112630	4.99	ppb	99
87)	Benzo[a]anthracene	13.849	228	208406	5.12	ppb	99
88)	3,3'-Dichlorobenzidine	13.897	252	71088	4.86	ppb	98
89)	Chrysene	13.919	228	190005	5.28	ppb	98
90)	bis(2-Ethylhexyl)phtha...	14.266	149	142073	4.92	ppb	100
92)	Di-n-octylphthalate	15.705	149	242881	4.73	ppb	99
93)	Benzo[b]fluoranthene	16.144	252	192026	4.77	ppb	99
94)	Benzo[k]fluoranthene	16.197	252	206013	5.32	ppb	98
95)	Benzo[a]pyrene	16.775	252	174102	4.93	ppb	99
96)	Indeno[1,2,3-cd]pyrene	18.829	276	165656	4.79	ppb	98
97)	Dibenz(a,h)acridine	18.476	279	172891	4.88	ppb	98
98)	Dibenz[a,h]anthracene	18.893	278	171308	4.96	ppb	99
99)	7,12-Dimethylbenz(a)an...	16.170	256	36945	2.76	ppb	98
100)	Benzo[g,h,i]perylene	19.251	276	175313	4.96	ppb	97

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

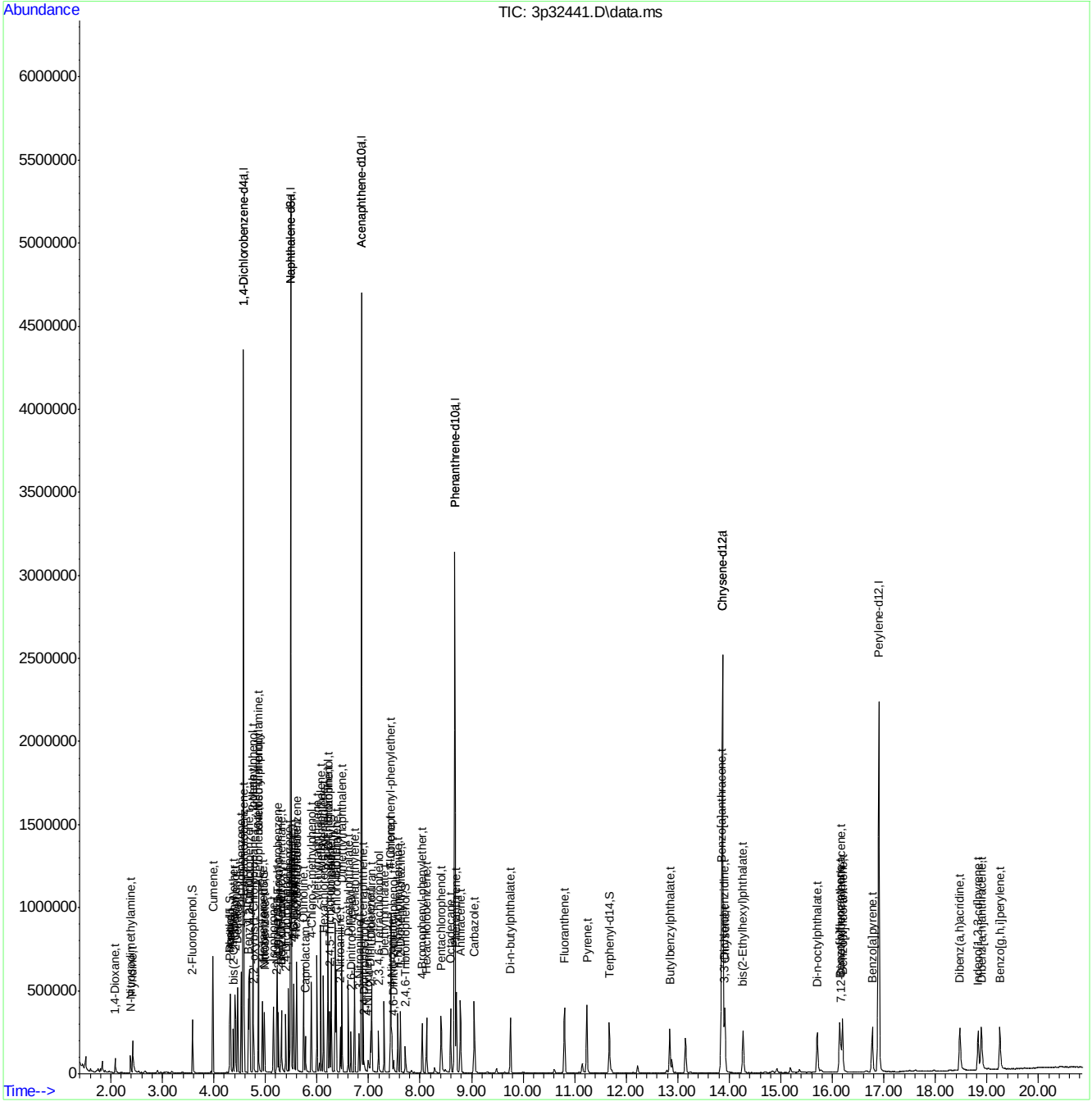
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32441.D
Acq On : 6 Jun 2014 6:04 pm
Operator : samtap
Sample : ic1389-5
Misc : op75000,e3p1389,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 07:52:22 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:39:53 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32443.D
Acq On : 6 Jun 2014 6:37 pm
Operator : samtap
Sample : ic1390-100
Misc : op74992,e3p1390,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 08:02:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	308697	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1110767	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	575883	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	950032	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	868187	40.00	ppb	0.00
91) Perylene-d12	16.898	264	799583	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	308697	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	575883	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	868187	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1110767	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	950032	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	0d	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%		
112) o-Terphenyl	9.340	230	1221986	99.97	ppb	0.00
Spiked Amount 50.000			Recovery =	199.94%		
113) 1-Chlorooctadecane	10.795	57	615620	100.01	ppb	0.00
Spiked Amount 50.000			Recovery =	200.02%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	560587	100.00	ppb	93
104) 2-bromonaphthalene	6.859	127	842495	99.21	ppb	97
105) Atrazine	8.297	215	250848	99.96	ppb	86
106) 1,2,4,5-Tetrachloroben...	6.131	216	861040	100.00	ppb	99
108) Benzidine	11.148	184	847164	100.26	ppb	99
110) Hydroquinone	5.789	110	912976	100.00	ppb	92

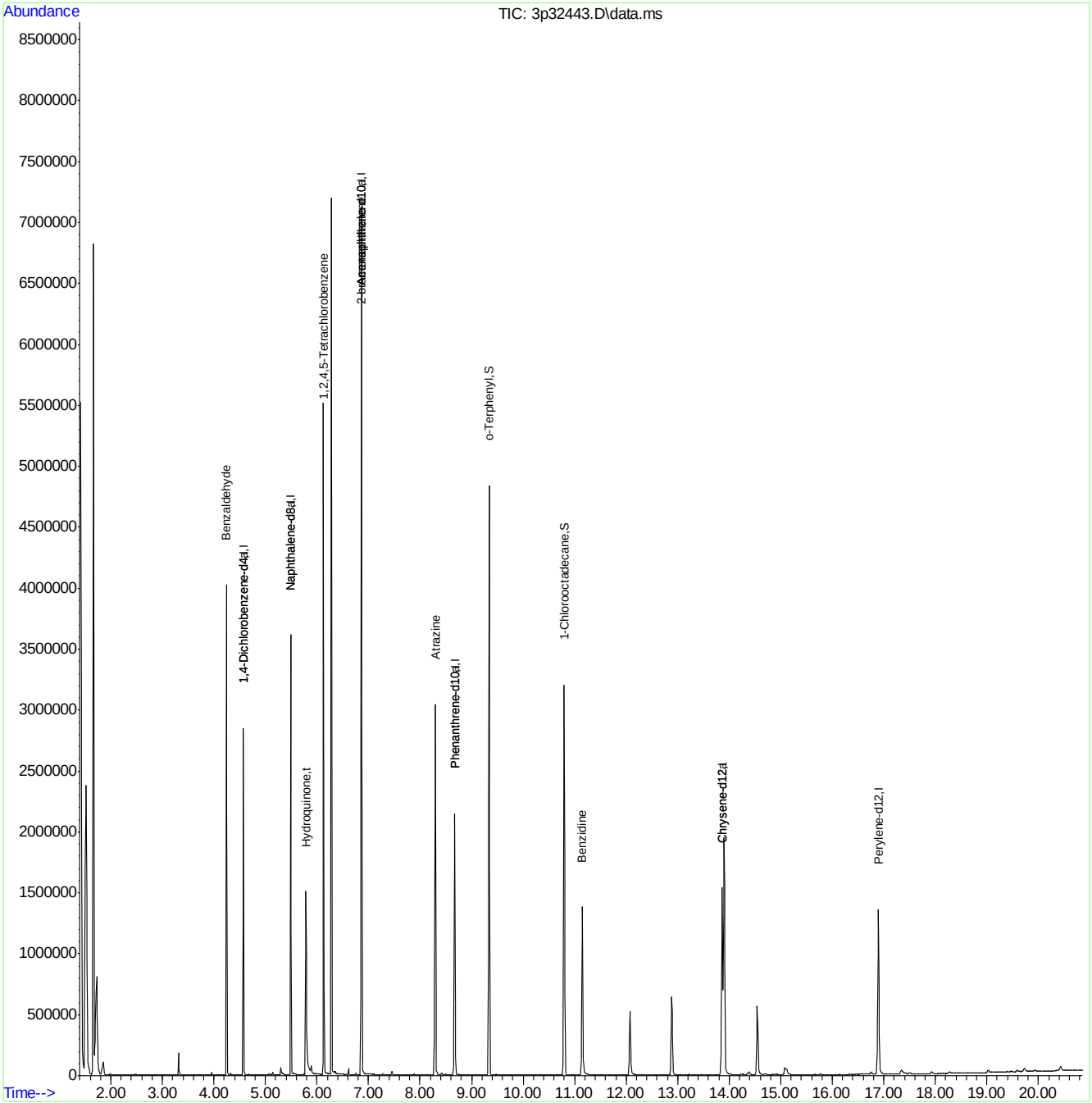
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32443.D
Acq On : 6 Jun 2014 6:37 pm
Operator : samtap
Sample : ic1390-100
Misc : op74992,e3p1390,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 08:02:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32444.D
Acq On : 6 Jun 2014 7:03 pm
Operator : samtap
Sample : ic1390-80
Misc : op74992,e3p1390,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 07 08:03:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

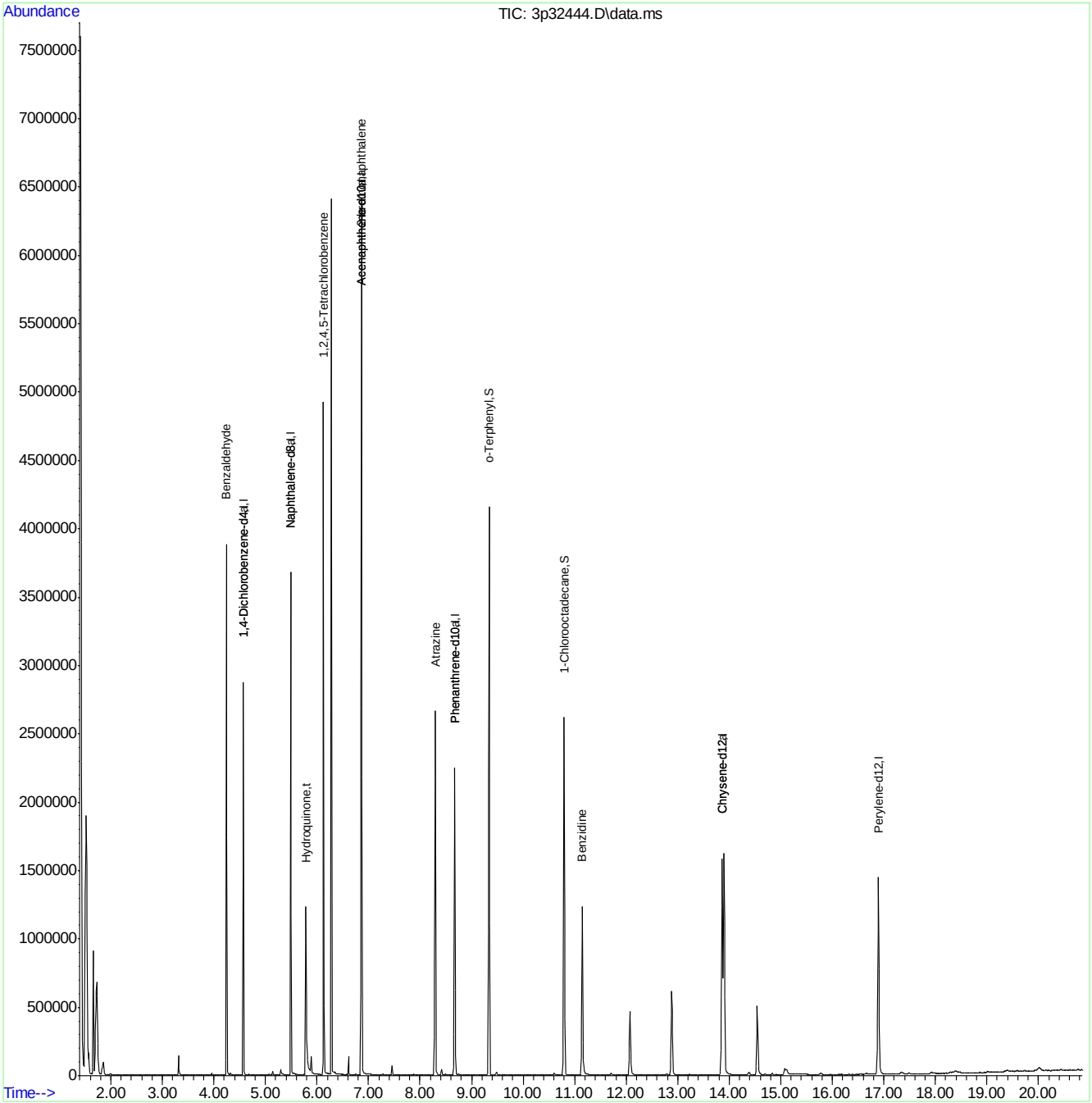
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	321389	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1154732	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	598227	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	974944	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	905417	40.00	ppb	0.00
91) Perylene-d12	16.898	264	850018	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	321389	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	598227	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	905417	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1154732	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	974944	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	0d	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%		
112) o-Terphenyl	9.340	230	1045820	83.37	ppb	0.00
Spiked Amount 50.000			Recovery =	166.74%		
113) 1-Chlorooctadecane	10.795	57	509718	80.69	ppb	0.00
Spiked Amount 50.000			Recovery =	161.38%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	536533	91.93	ppb	93
104) 2-bromonaphthalene	6.859	127	709418	80.42	ppb	95
105) Atrazine	8.297	215	206938	79.38	ppb	88
106) 1,2,4,5-Tetrachloroben...	6.126	216	725299	81.09	ppb	97
108) Benzidine	11.148	184	767732	87.12	ppb	99
110) Hydroquinone	5.789	110	755822	79.63	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32444.D
Acq On : 6 Jun 2014 7:03 pm
Operator : samtap
Sample : ic1390-80
Misc : op74992,e3p1390,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 07 08:03:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32445.D
Acq On : 6 Jun 2014 7:28 pm
Operator : samtap
Sample : icc1390-50
Misc : op74992,e3p1390,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 07 08:04:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

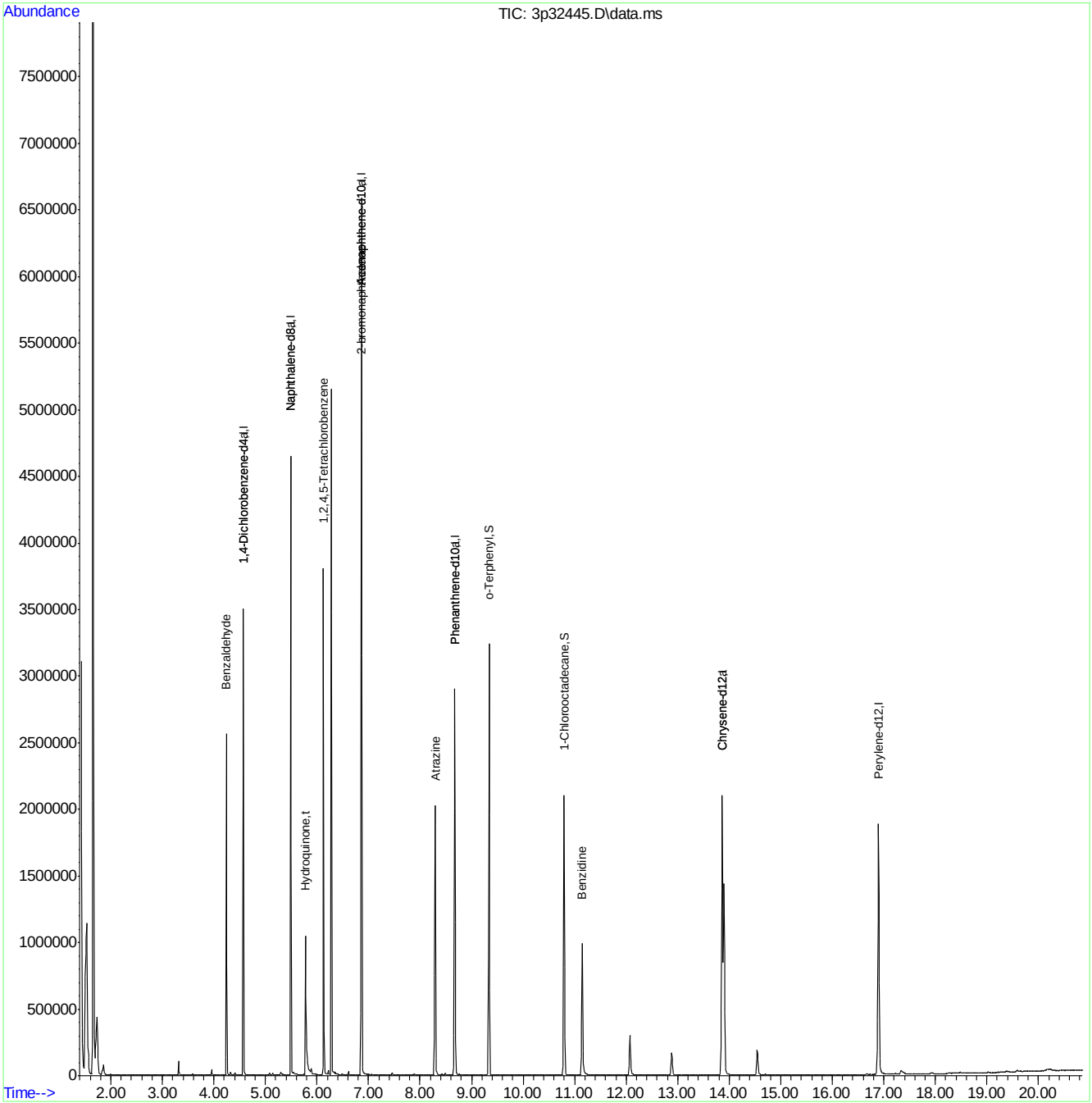
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	418461	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1472231	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	788281	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1295654	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1203524	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1132568	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	418461	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	788281	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1203524	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1472231	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1295654	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	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%		
112) o-Terphenyl	9.340	230	808112	48.48	ppb	0.00
Spiked Amount 50.000			Recovery =	96.96%		
113) 1-Chlorooctadecane	10.795	57	400854	47.75	ppb	0.00
Spiked Amount 50.000			Recovery =	95.50%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	362552	47.71	ppb	91
104) 2-bromonaphthalene	6.858	127	553126	47.59	ppb	96
105) Atrazine	8.297	215	156577	45.58	ppb	85
106) 1,2,4,5-Tetrachloroben...	6.126	216	540482	45.86	ppb	98
108) Benzidine	11.148	184	645900	55.14	ppb	99
110) Hydroquinone	5.778	110	550244	45.47	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32445.D
Acq On : 6 Jun 2014 7:28 pm
Operator : samtap
Sample : icc1390-50
Misc : op74992,e3p1390,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 07 08:04:09 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32446.D
Acq On : 6 Jun 2014 7:54 pm
Operator : samtap
Sample : ic1390-25
Misc : op74992,e3p1390,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 07 08:04:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

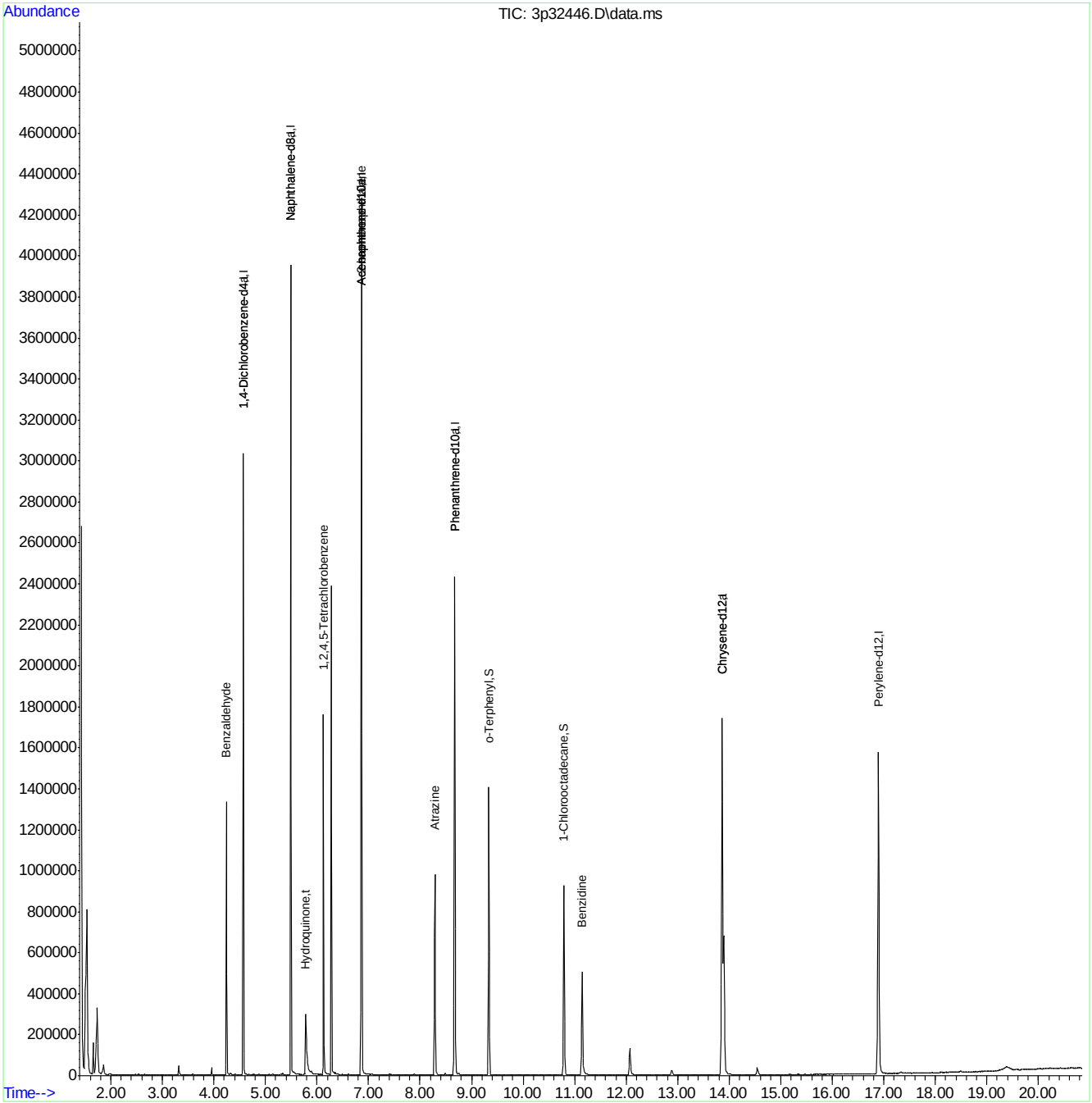
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	349267	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1244566	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	664198	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1082674	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	999166	40.00	ppb	-0.01
91) Perylene-d12	16.898	264	910044	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	349267	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	664198	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	999166	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1244566	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1082674	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	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	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%		
112) o-Terphenyl	9.335	230	349362	25.08	ppb	0.00
Spiked Amount 50.000			Recovery =	50.16%		
113) 1-Chlorooctadecane	10.790	57	177082	25.24	ppb	0.00
Spiked Amount 50.000			Recovery =	50.48%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	188282	29.69	ppb	92
104) 2-bromonaphthalene	6.858	127	247375	25.26	ppb	94
105) Atrazine	8.287	215	67363	23.27	ppb	89
106) 1,2,4,5-Tetrachloroben...	6.126	216	239532	24.12	ppb	99
108) Benzidine	11.143	184	320809	32.99	ppb	99
110) Hydroquinone	5.778	110	222153	21.72	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32446.D
Acq On : 6 Jun 2014 7:54 pm
Operator : samtap
Sample : ic1390-25
Misc : op74992,e3p1390,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 07 08:04:56 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32447.D
Acq On : 6 Jun 2014 8:20 pm
Operator : samtap
Sample : ic1390-10
Misc : op74992,e3p1390,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 07 08:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

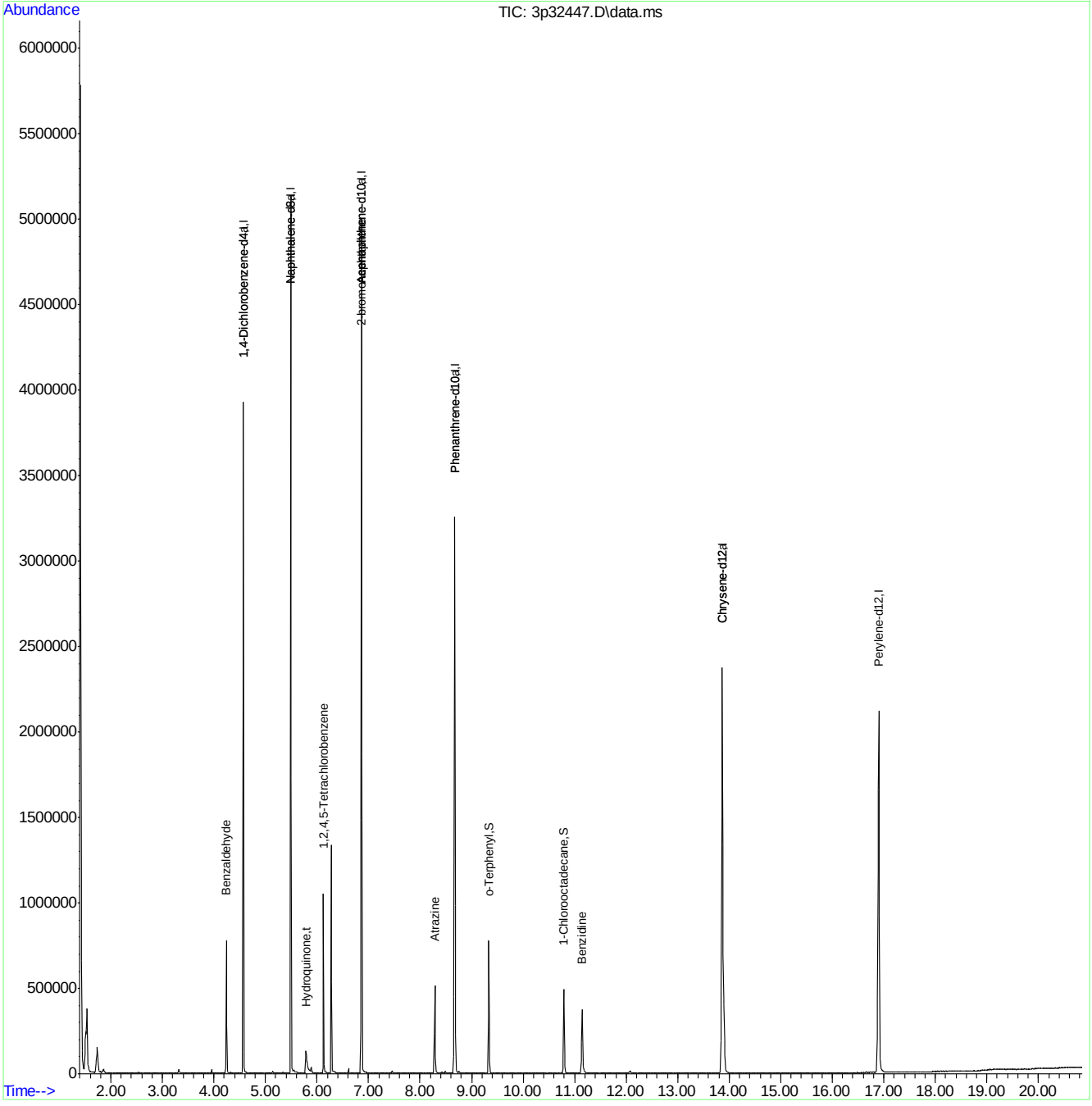
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	457807	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1623620	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	908800	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1450087	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1354335	40.00	ppb	0.00
91) Perylene-d12	16.903	264	1277009	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	457807	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	908800	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1354335	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1623620	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1450087	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	0d	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%		
112) o-Terphenyl	9.335	230	186128	9.98	ppb	0.00
Spiked Amount 50.000			Recovery =	19.96%		
113) 1-Chlorooctadecane	10.790	57	90567	9.64	ppb	0.00
Spiked Amount 50.000			Recovery =	19.28%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	109413	13.16	ppb	93
104) 2-bromonaphthalene	6.859	127	136490	10.19	ppb	95
105) Atrazine	8.287	215	36804	9.29	ppb	86
106) 1,2,4,5-Tetrachloroben...	6.126	216	134661	9.91	ppb	99
108) Benzidine	11.143	184	242790	18.42	ppb	99
110) Hydroquinone	5.783	110	119209	8.93	ppb	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32447.D
Acq On : 6 Jun 2014 8:20 pm
Operator : samtap
Sample : ic1390-10
Misc : op74992,e3p1390,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 07 08:05:33 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



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JB69926

9.6.40
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32448.D
Acq On : 6 Jun 2014 8:45 pm
Operator : samtap
Sample : ic1390-5
Misc : op74992,e3p1390,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 08:06:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

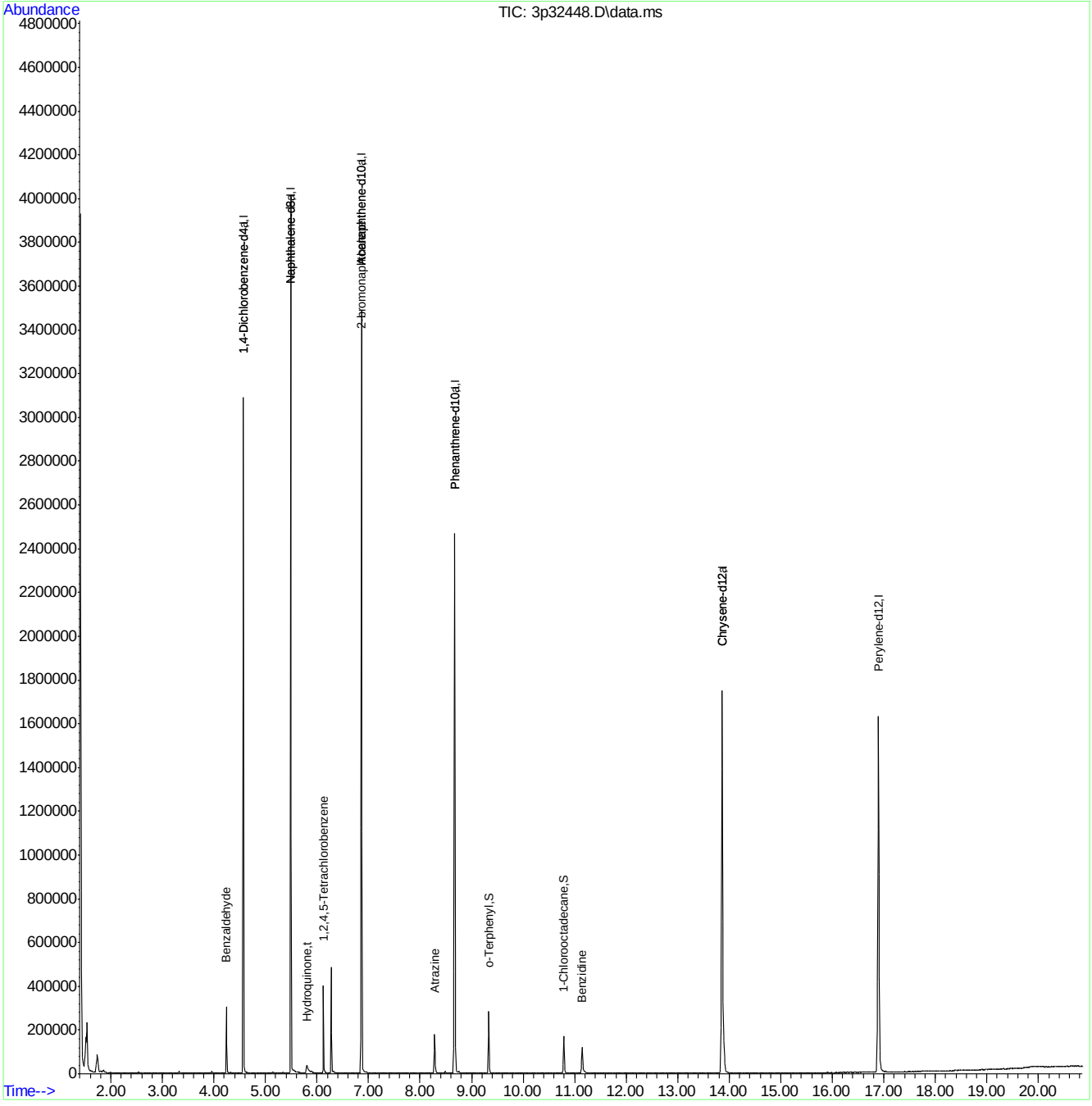
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	366697	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1286977	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	692986	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1102760	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1020524	40.00	ppb	0.00
91) Perylene-d12	16.898	264	953267	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	366697	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	692986	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1020524	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1286977	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1102760	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	0d	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%		
112) o-Terphenyl	9.335	230	71208	5.02	ppb	0.00
Spiked Amount 50.000			Recovery =	10.04%		
113) 1-Chlorooctadecane	10.790	57	32268	4.52	ppb	0.00
Spiked Amount 50.000			Recovery =	9.04%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	43238	6.49	ppb	93
104) 2-bromonaphthalene	6.859	127	52756	5.16	ppb	92
105) Atrazine	8.287	215	12990	4.30	ppb	85
106) 1,2,4,5-Tetrachloroben...	6.126	216	51447	4.97	ppb	96
108) Benzidine	11.143	184	83388	8.40	ppb	98
110) Hydroquinone	5.800	110	39563	3.74	ppb	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32448.D
Acq On : 6 Jun 2014 8:45 pm
Operator : samtap
Sample : ic1390-5
Misc : op74992,e3p1390,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 07 08:06:07 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32449.D
Acq On : 6 Jun 2014 9:11 pm
Operator : samtap
Sample : ic1390-2
Misc : op74992,e3p1390,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 08:22:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

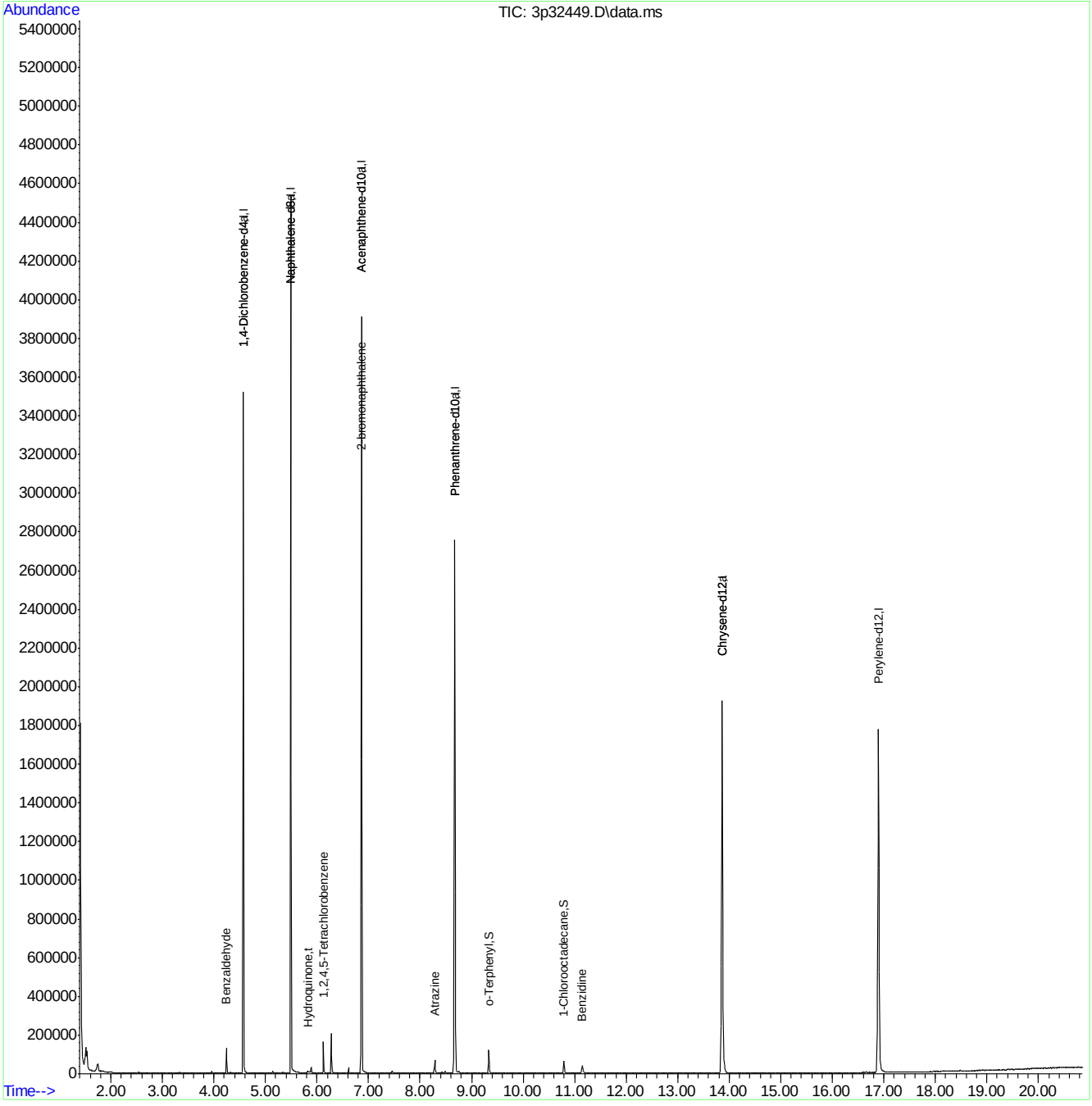
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	414057	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1414071	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	771325	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1229685	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1147447	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1055509	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	414057	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	771325	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1147447	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1414071	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1229685	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	0d	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%		
112) o-Terphenyl	9.335	230	29681	1.88	ppb	0.00
Spiked Amount 50.000			Recovery =	3.76%		
113) 1-Chlorooctadecane	10.790	57	11909	1.49	ppb	0.00
Spiked Amount 50.000			Recovery =	2.98%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	17922	2.38	ppb	93
104) 2-bromonaphthalene	6.859	127	23397	2.06	ppb	97
105) Atrazine	8.287	215	5211	1.55	ppb #	73
106) 1,2,4,5-Tetrachloroben...	6.126	216	21416	1.86	ppb	99
108) Benzidine	11.148	184	29626	2.65	ppb	99
110) Hydroquinone	5.826	110	13089	1.13	ppb	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32449.D
Acq On : 6 Jun 2014 9:11 pm
Operator : samtap
Sample : ic1390-2
Misc : op74992,e3p1390,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 07 08:22:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32450.D
Acq On : 6 Jun 2014 9:36 pm
Operator : samtap
Sample : ic1390-1
Misc : op74992,e3p1390,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 07 08:07:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration

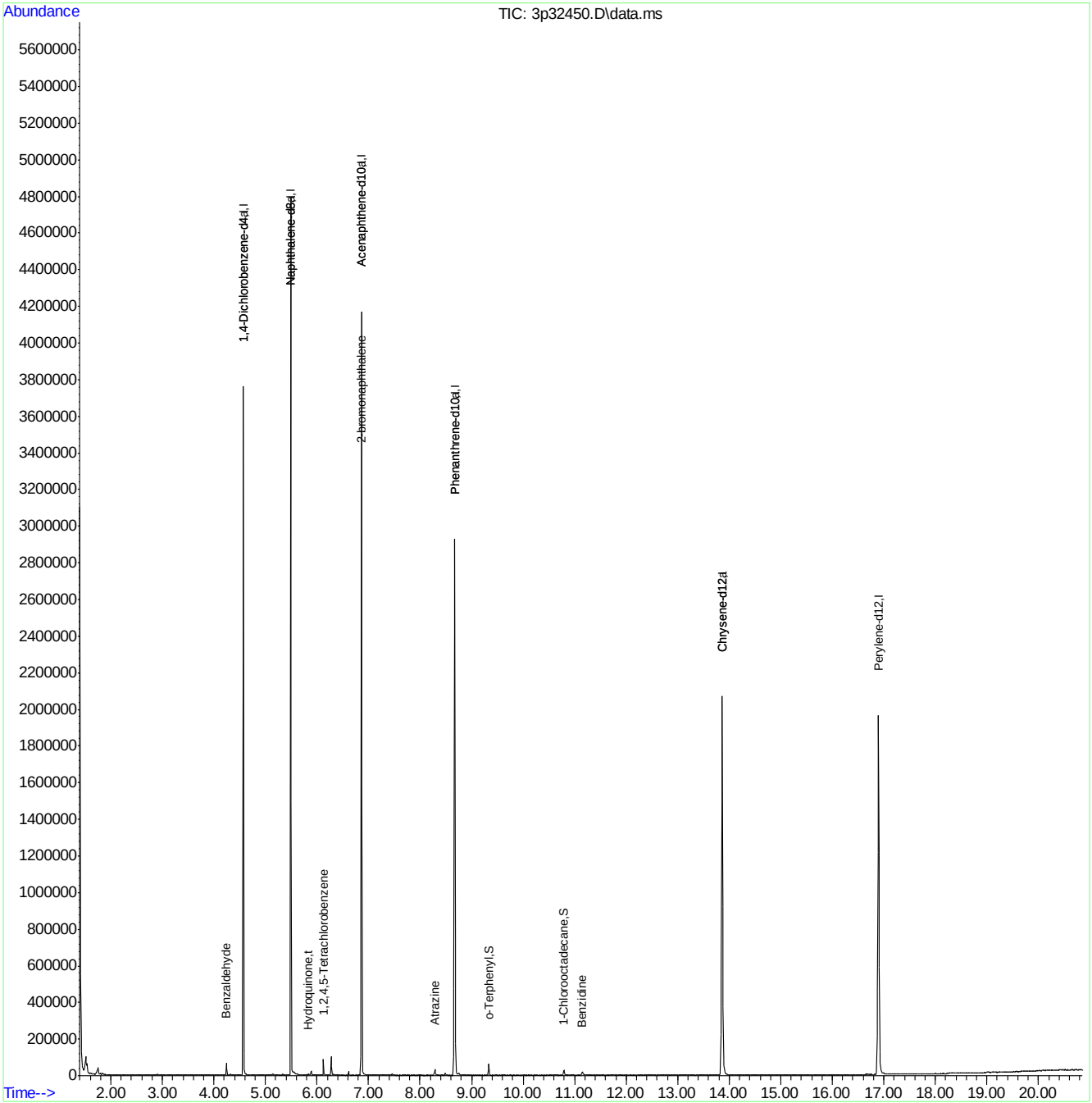
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	440650	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1500112	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	831072	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1297843	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1198384	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1133092	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	440650	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	831072	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1198384	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1500112	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1297843	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	0d	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%		
112) o-Terphenyl	9.335	230	15161	0.91	ppb	0.00
Spiked Amount 50.000			Recovery =	1.82%		
113) 1-Chlorooctadecane	10.790	57	5868	0.70	ppb	0.00
Spiked Amount 50.000			Recovery =	1.40%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	9802	1.22	ppb	90
104) 2-bromonaphthalene	6.858	127	12229	1.00	ppb	95
105) Atrazine	8.287	215	2337	0.65	ppb	87
106) 1,2,4,5-Tetrachloroben...	6.126	216	11179	0.90	ppb	95
108) Benzidine	11.148	184	13172	1.13	ppb	95
110) Hydroquinone	5.826	110	6485	0.53	ppb	87

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32450.D
Acq On : 6 Jun 2014 9:36 pm
Operator : samtap
Sample : ic1390-1
Misc : op74992,e3p1390,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 07 08:07:27 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 07:52:29 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/11/14 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 11:25:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.569	152	293028	40.00	ppb		0.00
24) Naphthalene-d8	5.489	136	972324	40.00	ppb		0.00
47) Acenaphthene-d10	6.864	164	546494	40.00	ppb		0.00
69) Phenanthrene-d10	8.672	188	875723	40.00	ppb		0.00
83) Chrysene-d12	13.860	240	804843	40.00	ppb		-0.01
91) Perylene-d12	16.892	264	716162	40.00	ppb		-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	293028	40.00	ppb		0.00
103) Acenaphthene-d10a	6.864	164	546494	40.00	ppb		0.00
107) Chrysene-d12a	13.860	240	804843	40.00	ppb		-0.01
109) Naphthalene-d8a	5.489	136	972324	40.00	ppb		0.00
111) Phenanthrene-d10a	8.672	188	875723	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	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%			
112) o-Terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.312	94	568156	45.10	ppb		96
12) 2-Chlorophenol	4.414	128	520167	49.11	ppb		94
19) 2-Methylphenol	4.756	108	406670	52.87	ppb		97
21) 3&4-Methylphenol	4.863	108	413537	51.63	ppb		99
29) 2-Nitrophenol	5.216	139	229679	47.87	ppb		95
30) 2,4-Dimethylphenol	5.248	107	437933	64.71	ppb		99
31) Benzoic acid	5.334	105	221578m	41.24	ppb		
33) 2,4-Dichlorophenol	5.388	162	394808	51.20	ppb		98
34) 2,6-Dichlorophenol	5.548	162	381179	52.05	ppb		97
43) 4-Chloro-3-methylphenol	5.885	107	364130	50.68	ppb	#	99
49) 2,4,6-Trichlorophenol	6.211	196	260488	51.80	ppb		98
50) 2,4,5-Trichlorophenol	6.238	196	278491	49.66	ppb		97
61) 4-Nitrophenol	6.981	109	112125	55.44	ppb		99
64) 2,3,4,6-Tetrachlorophenol	7.190	232	200113	49.74	ppb		98
70) 4,6-Dinitro-2-methylph...	7.484	198	97077	40.98	ppb		98
76) Pentachlorophenol	8.404	266	156269	49.38	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 11:25:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

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

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

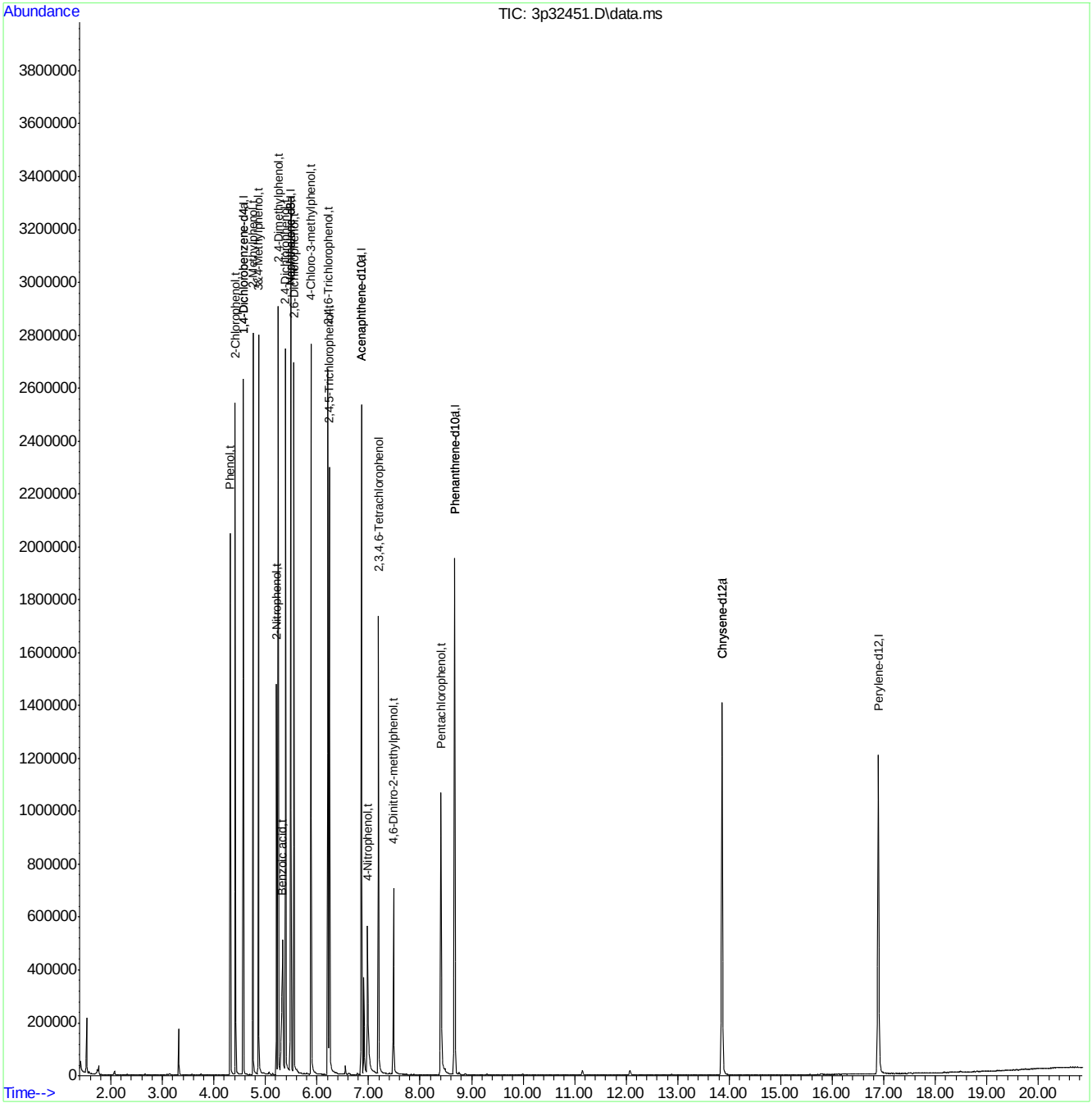
9.6.44

9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 09 11:25:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integration Approval Summary

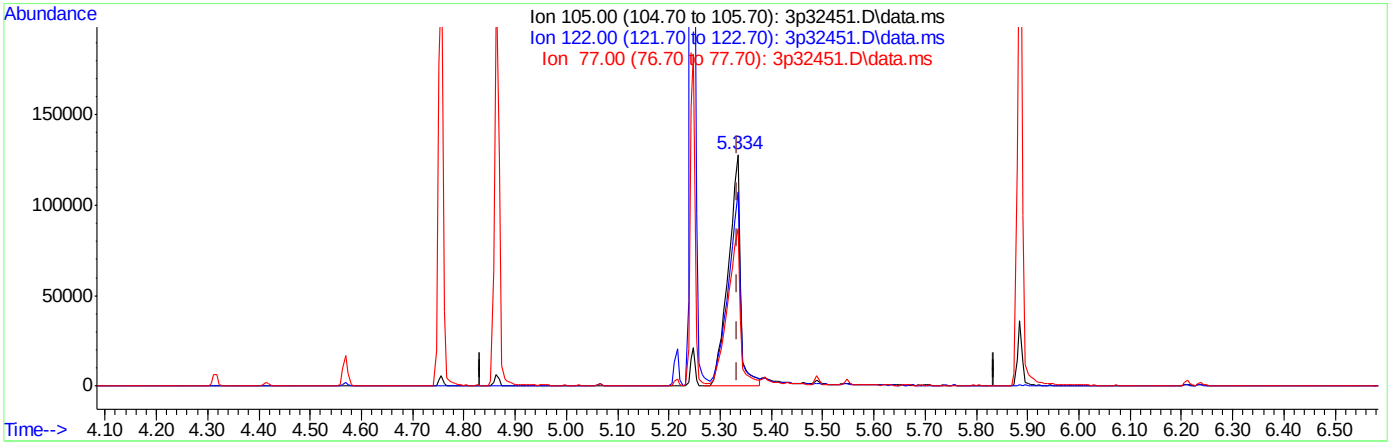
Sample Number:	E3P1390-ICV1389	**Method:**	SW846 8270D
Lab FileID:	3P32451.D	**Analyst approved:**	06/10/14 15:11 Samta Patel
Injection Time:	06/06/14 22:02	**Supervisor approved:**	06/11/14 09:59 Nina Pandya

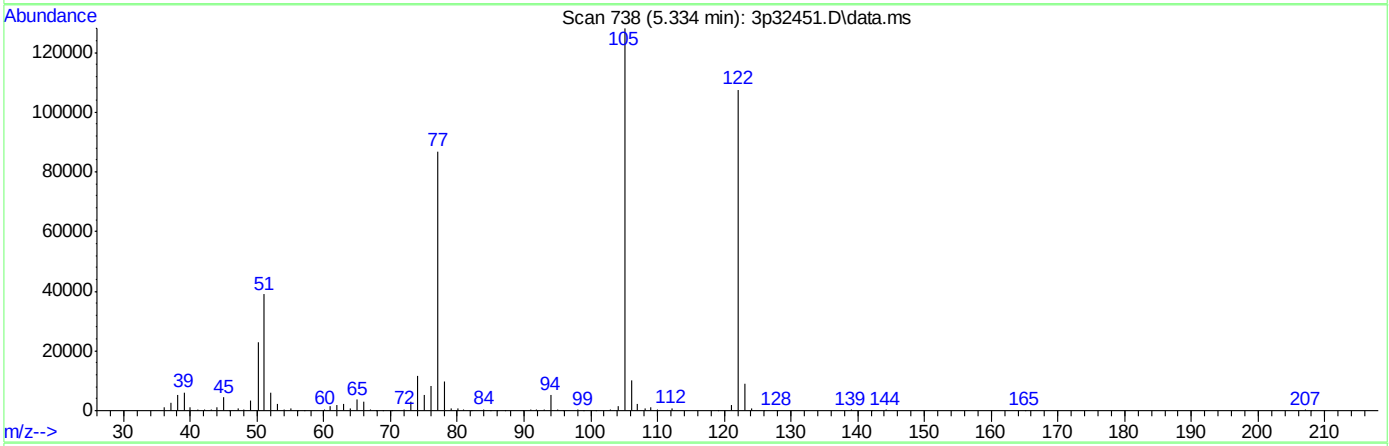
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic Acid	65-85-0		5.33	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op75000,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 07 08:29:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32451.D\data.ms

(31) Benzoic acid (t)

5.334min (+0.000) 39.30ppb

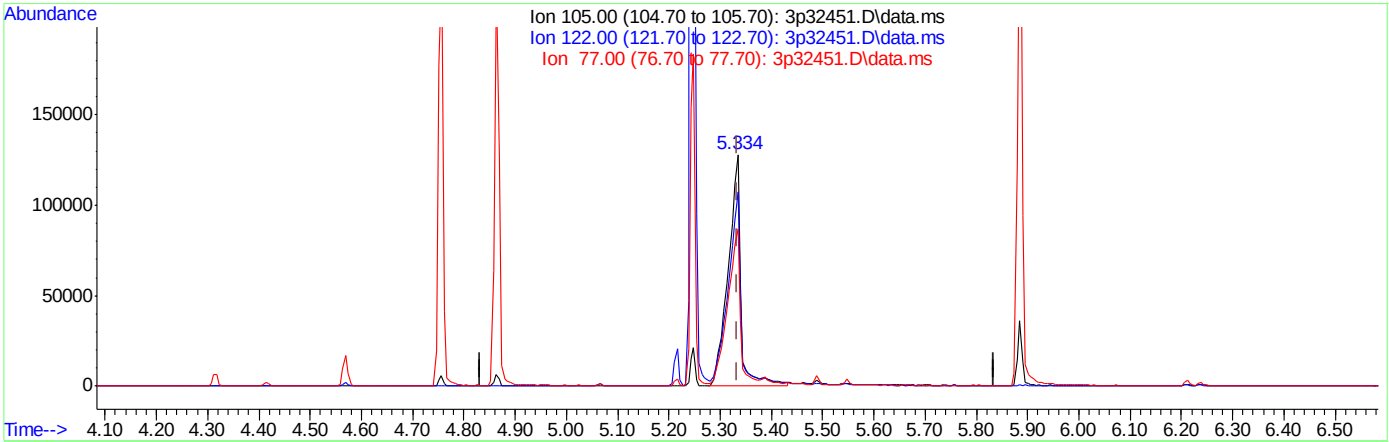
response 211134

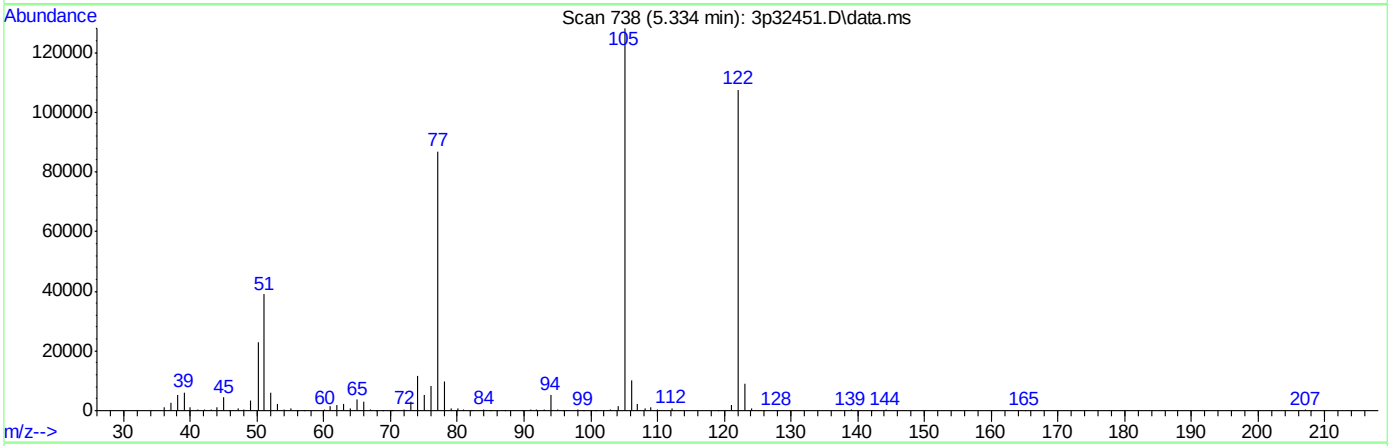
Ion	Exp%	Act%
105.00	100	100
122.00	85.80	81.87
77.00	70.30	67.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32451.D
Acq On : 6 Jun 2014 10:02 pm
Operator : samtap
Sample : icv1389-50
Misc : op75000,e3p1390,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 07 08:29:47 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32451.D\data.ms

(31) Benzoic acid (t)

5.334min (+0.000) 41.24ppb m

response 221578

Ion	Exp%	Act%
105.00	100	100
122.00	85.80	83.93
77.00	70.30	67.87
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 14:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	307848	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1028614	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	568685	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	927960	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	896171	40.00	ppb	0.00
91) Perylene-d12	16.898	264	772021	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	307848	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	568685	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	896171	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1028614	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	927960	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	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.414	79	409601	35.72	ppb	99
4) N-Nitrosodimethylamine	2.382	42	154050	37.05	ppb	99
11) bis(2-Chloroethyl)ether	4.371	93	386062	46.03	ppb	95
14) 1,3-Dichlorobenzene	4.527	146	557932	43.76	ppb	99
15) 1,4-Dichlorobenzene	4.580	146	551030	43.48	ppb	99
16) Benzyl alcohol	4.671	108	276782	45.25	ppb	98
17) 1,2-Dichlorobenzene	4.692	146	508460	43.27	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.767	45	367753	44.29	ppb	99
22) n-Nitroso-di-n-propyla...	4.864	70	251744	46.67	ppb	95
23) Hexachloroethane	4.944	201	184717	45.78	ppb	97
26) Nitrobenzene	4.987	77	380393	42.58	ppb	96
28) Isophorone	5.152	82	652572	43.22	ppb	97
32) bis(2-Chloroethoxy)met...	5.313	93	443454	48.71	ppb	99
36) 1,2,4-Trichlorobenzene	5.452	180	410212	44.77	ppb	100
38) Naphthalene	5.505	128	1190123	44.59	ppb	100
42) Hexachlorobutadiene	5.596	225	218003	45.20	ppb	98
44) 2-Methylnaphthalene	5.997	141	719410	44.83	ppb	98
48) Hexachlorocyclopentadiene	6.126	237	179547	40.78	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 14:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

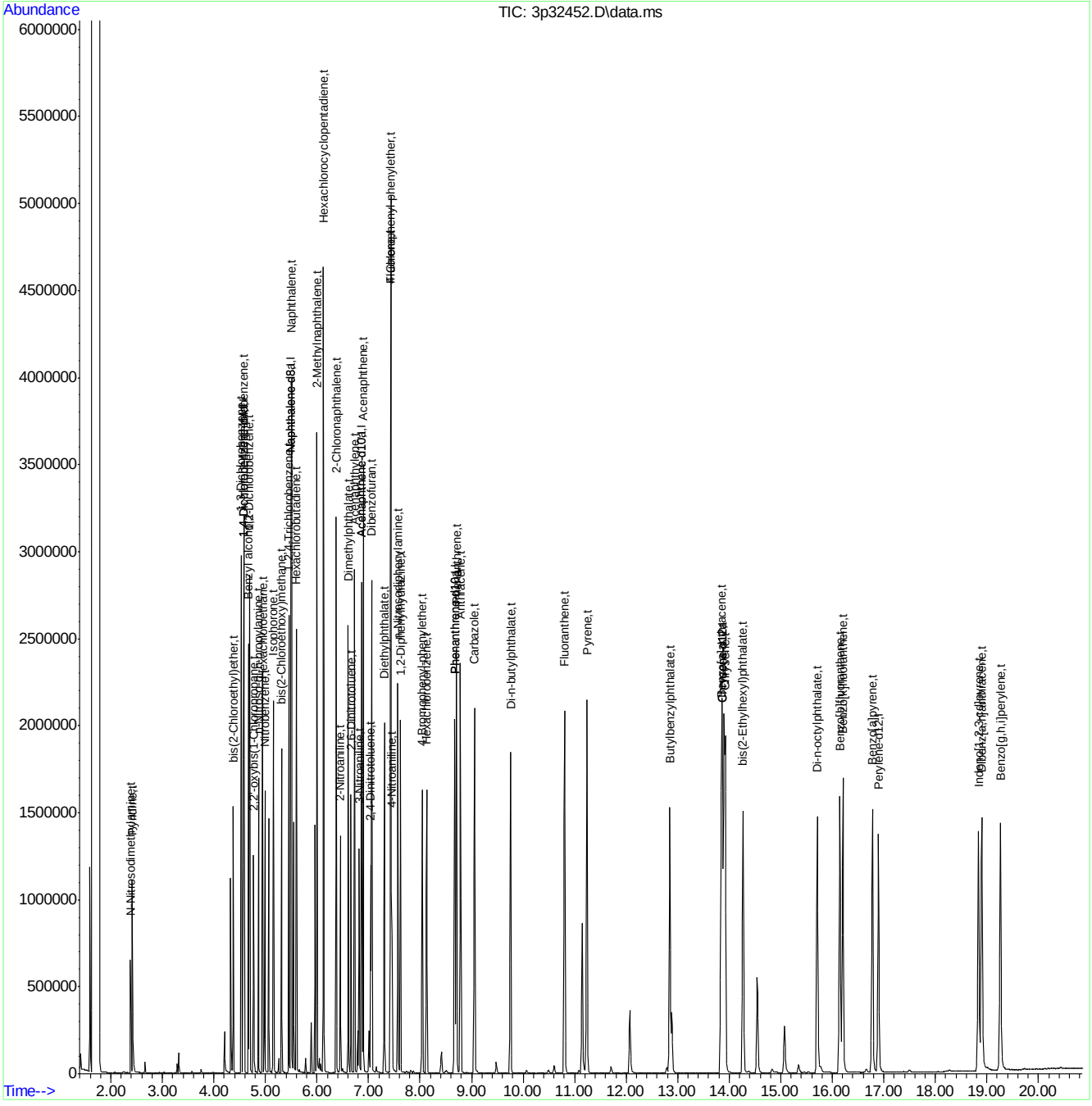
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	2-Chloronaphthalene	6.372	162	754335	44.72	ppb	94
54)	2-Nitroaniline	6.452	65	184175	45.78	ppb	91
55)	Dimethylphthalate	6.607	163	838229	46.06	ppb	99
56)	Acenaphthylene	6.730	152	1050520	38.69	ppb	100
57)	2,6-Dinitrotoluene	6.661	165	168759	45.31	ppb	99
58)	3-Nitroaniline	6.816	138	196544	40.45	ppb	98
59)	Acenaphthene	6.896	153	767933	46.61	ppb	99
62)	Dibenzofuran	7.062	168	1050594	45.16	ppb	97
63)	2,4-Dinitrotoluene	7.046	165	217727	43.26	ppb	99
65)	Diethylphthalate	7.308	149	837534	45.51	ppb	100
66)	Fluorene	7.431	166	856428	45.55	ppb	99
67)	4-Chlorophenyl-phenyle...	7.431	204	389257	46.65	ppb	99
68)	4-Nitroaniline	7.452	138	218649	44.27	ppb	94
71)	n-Nitrosodiphenylamine	7.570	169	577740	46.91	ppb	100
72)	1,2-Diphenylhydrazine	7.618	77	748336	46.00	ppb	95
74)	4-Bromophenyl-phenylether	8.041	248	223168	46.19	ppb	100
75)	Hexachlorobenzene	8.126	284	237852	43.32	ppb	91
77)	Phenanthrene	8.709	178	1188551	45.07	ppb	100
78)	Anthracene	8.784	178	1201527	46.76	ppb	99
79)	Carbazole	9.057	167	1163335	40.72	ppb	100
80)	Di-n-butylphthalate	9.758	149	1483606	46.82	ppb	99
81)	Fluoranthene	10.806	202	1307397	45.14	ppb	99
84)	Pyrene	11.239	202	1349146	45.42	ppb	100
86)	Butylbenzylphthalate	12.849	149	669174	48.16	ppb	99
87)	Benzo[a]anthracene	13.849	228	1114188	44.46	ppb	99
89)	Chrysene	13.924	228	1048694	47.37	ppb	99
90)	bis(2-Ethylhexyl)phtha...	14.266	149	859277	48.34	ppb	99
92)	Di-n-octylphthalate	15.705	149	1501045	49.35	ppb	100
93)	Benzo[b]fluoranthene	16.149	252	1066732	44.71	ppb	99
94)	Benzo[k]fluoranthene	16.208	252	1080868	47.11	ppb	99
95)	Benzo[a]pyrene	16.780	252	991183	47.38	ppb	99
96)	Indeno[1,2,3-cd]pyrene	18.840	276	919505	44.88	ppb	99
98)	Dibenz[a,h]anthracene	18.904	278	945741	46.16	ppb	100
100)	Benzo[g,h,i]perylene	19.267	276	998392	47.64	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 14:29:51 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452A.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 13:51:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

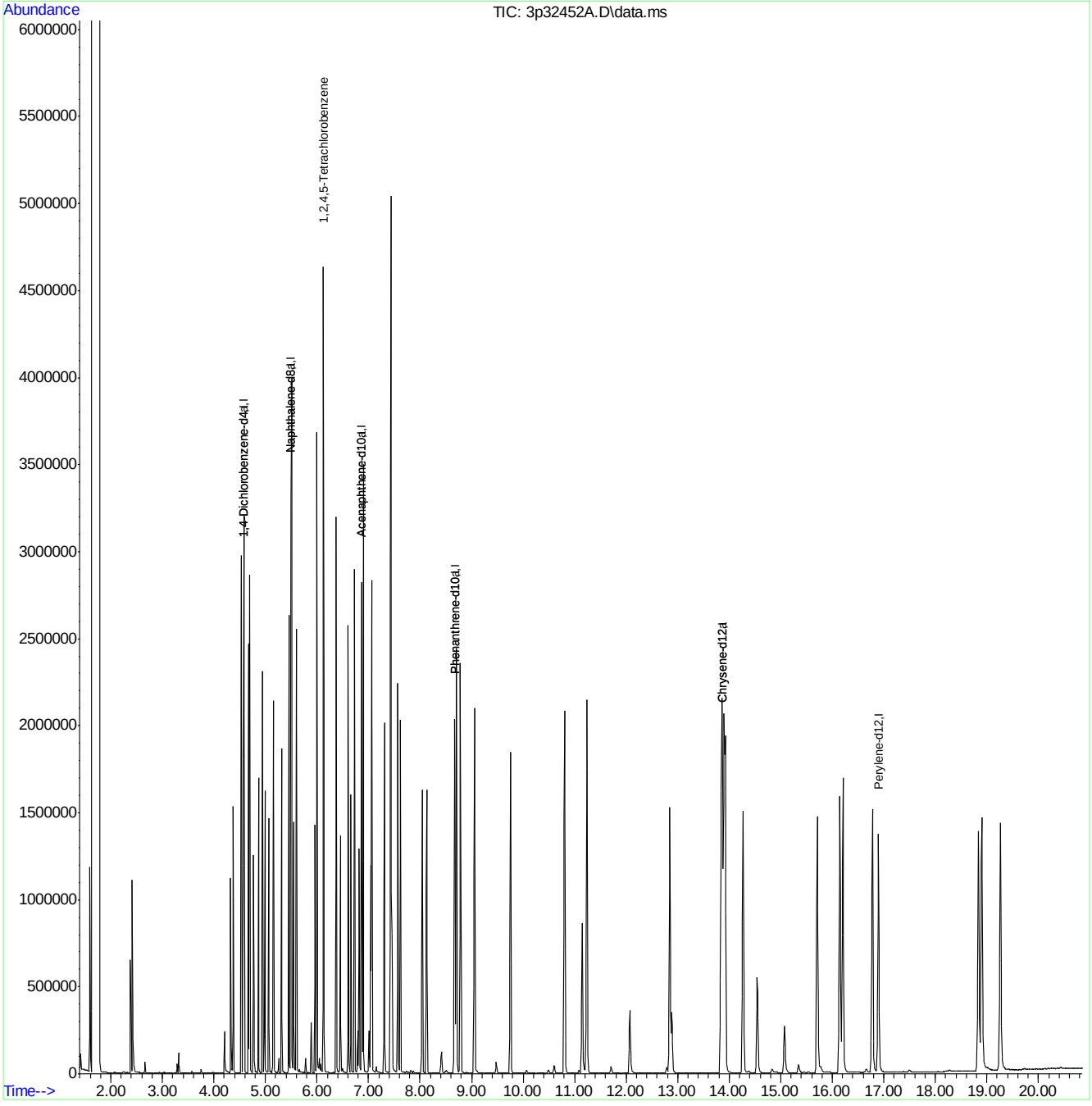
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	307848	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1028614	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	568685	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	927960	40.00	ppb	0.00
83) Chrysene-d12	13.871	240	896171	40.00	ppb	0.00
91) Perylene-d12	16.898	264	772021	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	307848	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	568685	40.00	ppb	0.00
107) Chrysene-d12a	13.871	240	896171	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1028614	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	927960	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	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
106) 1,2,4,5-Tetrachloroben...	6.126	216	422038	51.52	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32452A.D
Acq On : 6 Jun 2014 10:27 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 13:51:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 15:00:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

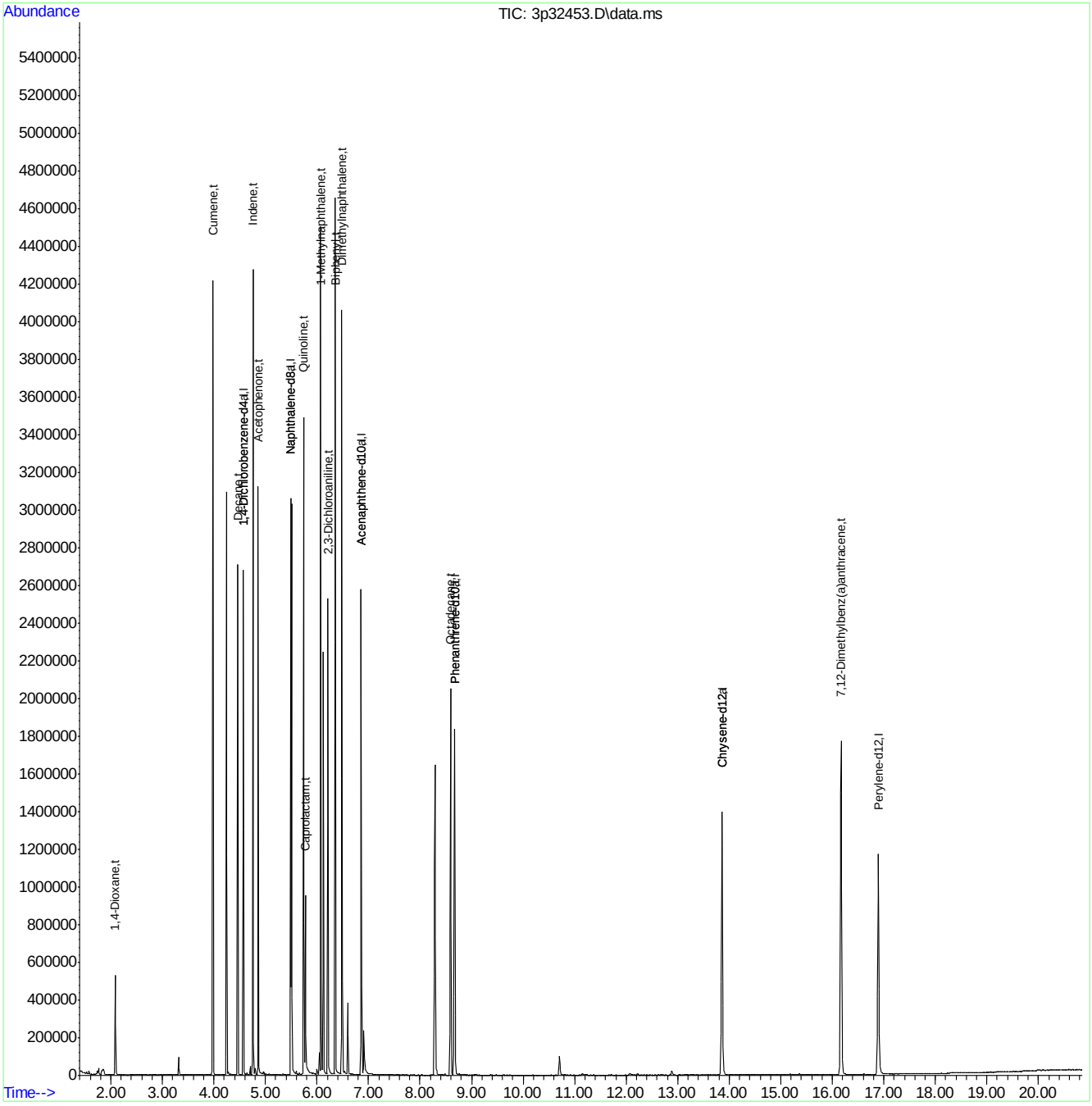
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	284312	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1130715	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	521943	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	836172	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	797928	40.00	ppb	-0.01
91) Perylene-d12	16.893	264	692048	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	284312	40.00	ppb	0.00
103) Acenaphthene-d10a	6.858	164	521943	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	797928	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1130715	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	836172	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	0d	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.087	88	214891	50.45	ppb	96
6) Indene	4.756	116	891181	54.03	ppb	99
7) Cumene	3.981	105	1257905	50.07	ppb	99
13) Decane	4.462	43	340918	48.03	ppb	98
18) Acetophenone	4.858	105	651037	50.75	ppb	89
27) Quinoline	5.741	129	943245	43.03	ppb	99
40) 2,3-Dichloroaniline	6.211	161	430584	35.73	ppb	98
41) Caprolactam	5.778	113	131679	40.23	ppb	100
45) 1-Methylnaphthalene	6.072	141	808322	41.66	ppb	100
46) Dimethylnaphthalene	6.484	156	794974	40.86	ppb	97
53) Biphenyl	6.356	154	1115757	50.74	ppb	99
82) Octadecane	8.591	57	478320	52.10	ppb	98
99) 7,12-Dimethylbenz(a)an...	16.170	256	583162	82.12	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 15:00:48 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/11/14 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453A.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 14:06:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

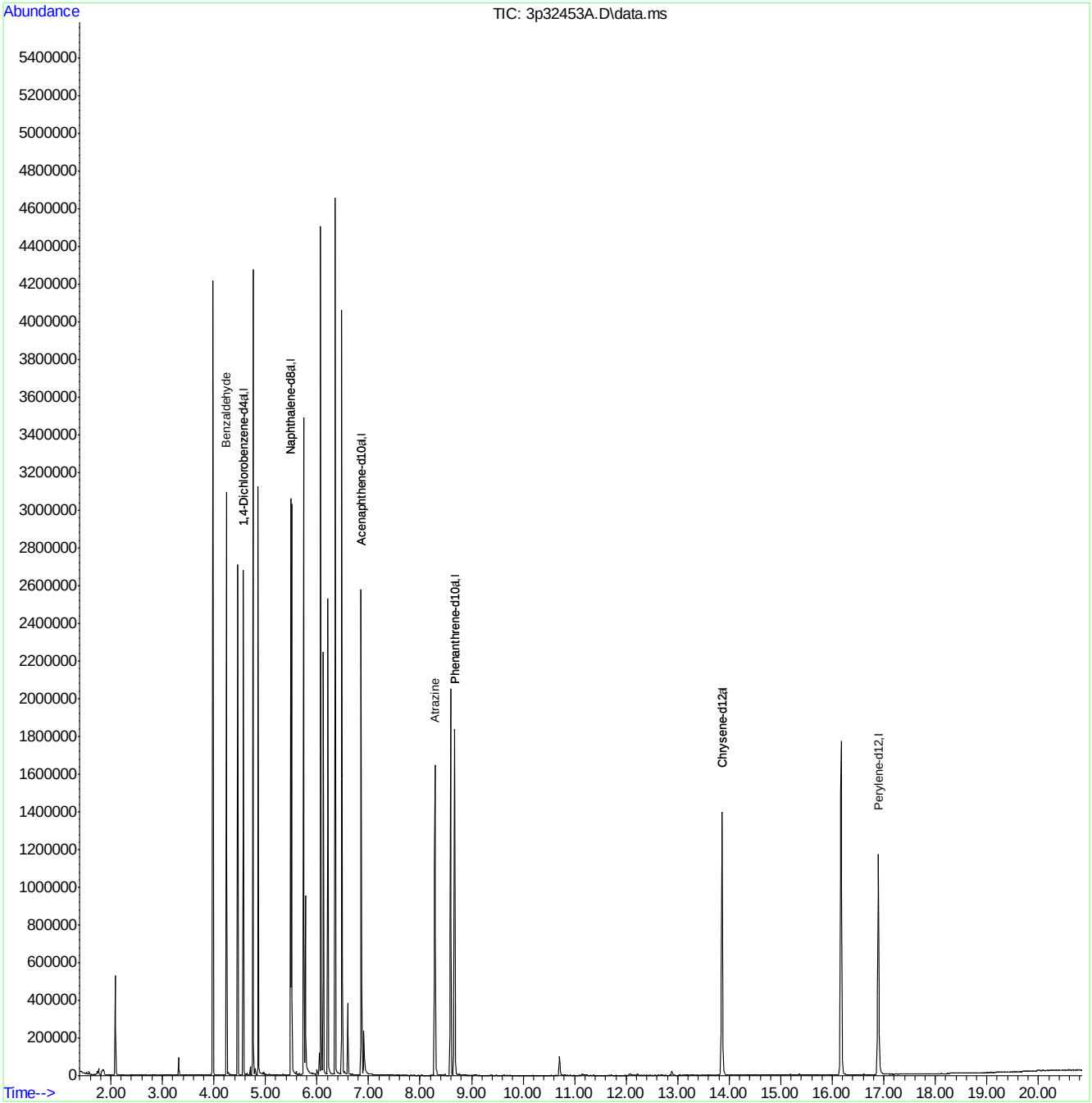
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	284312	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1130715	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	521943	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	836172	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	797928	40.00	ppb	-0.01
91) Perylene-d12	16.893	264	692048	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	284312	40.00	ppb	0.00
103) Acenaphthene-d10a	6.858	164	521943	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	797928	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1130715	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	836172	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	0d	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
102) Benzaldehyde	4.243	105	415812m	69.11	ppb	
105) Atrazine	8.292	215	128636	64.23	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453A.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 14:06:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integration Approval Summary

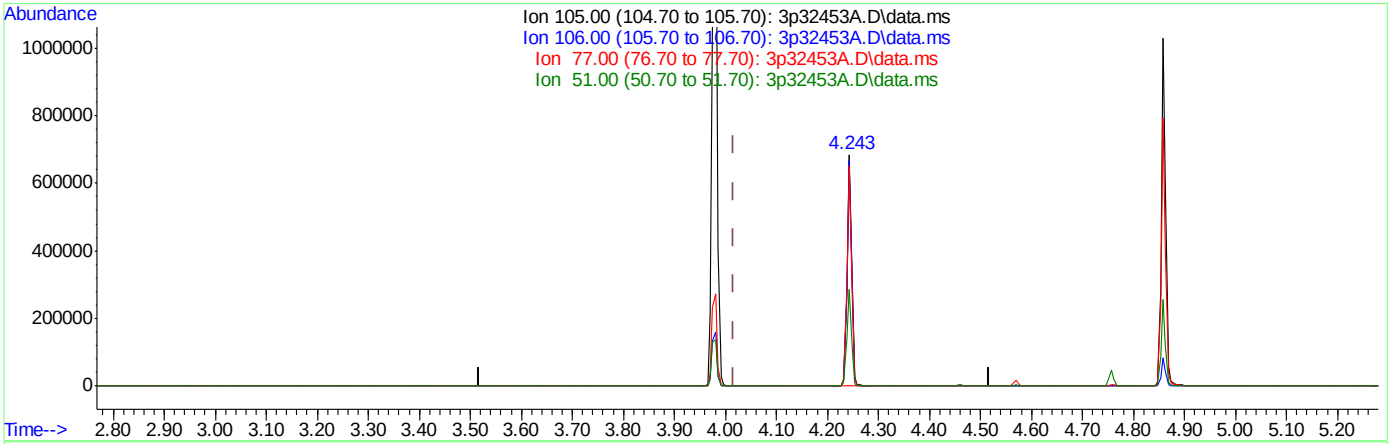
Sample Number:	E3P1390-ICV1390	**Method:**	SW846 8270D
Lab FileID:	3P32453A.D	**Analyst approved:**	06/10/14 15:11 Samta Patel
Injection Time:	06/06/14 22:53	**Supervisor approved:**	06/11/14 09:59 Nina Pandya

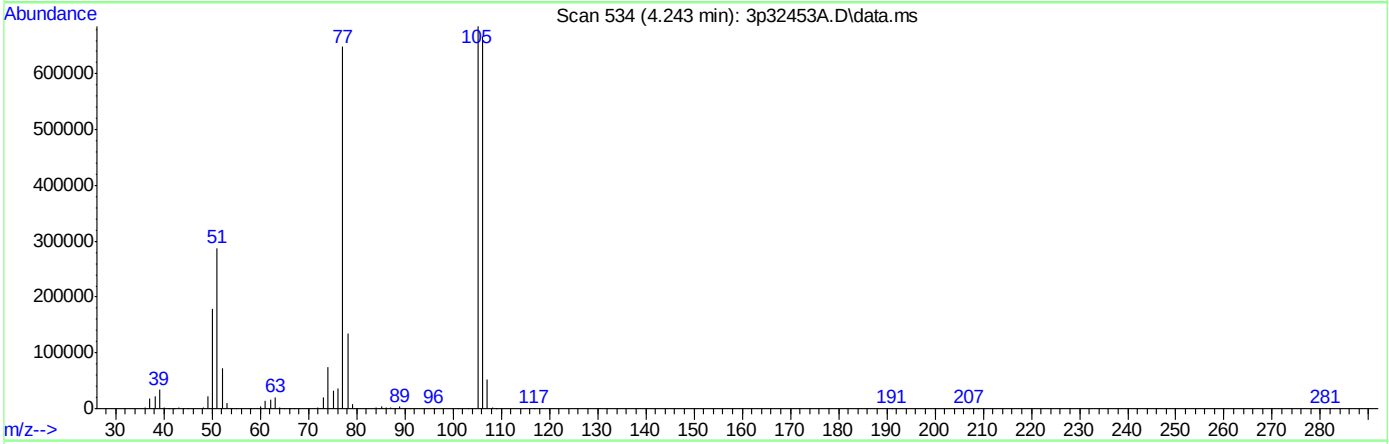
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzaldehyde	100-52-7		4.24	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32453A.D
Acq On : 6 Jun 2014 10:53 pm
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 14:06:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration





TIC: 3p32453A.D\data.ms

(102) Benzaldehyde

4.243min (+0.225) 69.11ppb m

response 415812

Ion	Exp%	Act%
105.00	100	100
106.00	98.00	97.32
77.00	95.30	94.78
51.00	40.60	42.01

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32454.D
Acq On : 6 Jun 2014 11:19 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 07 08:37:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

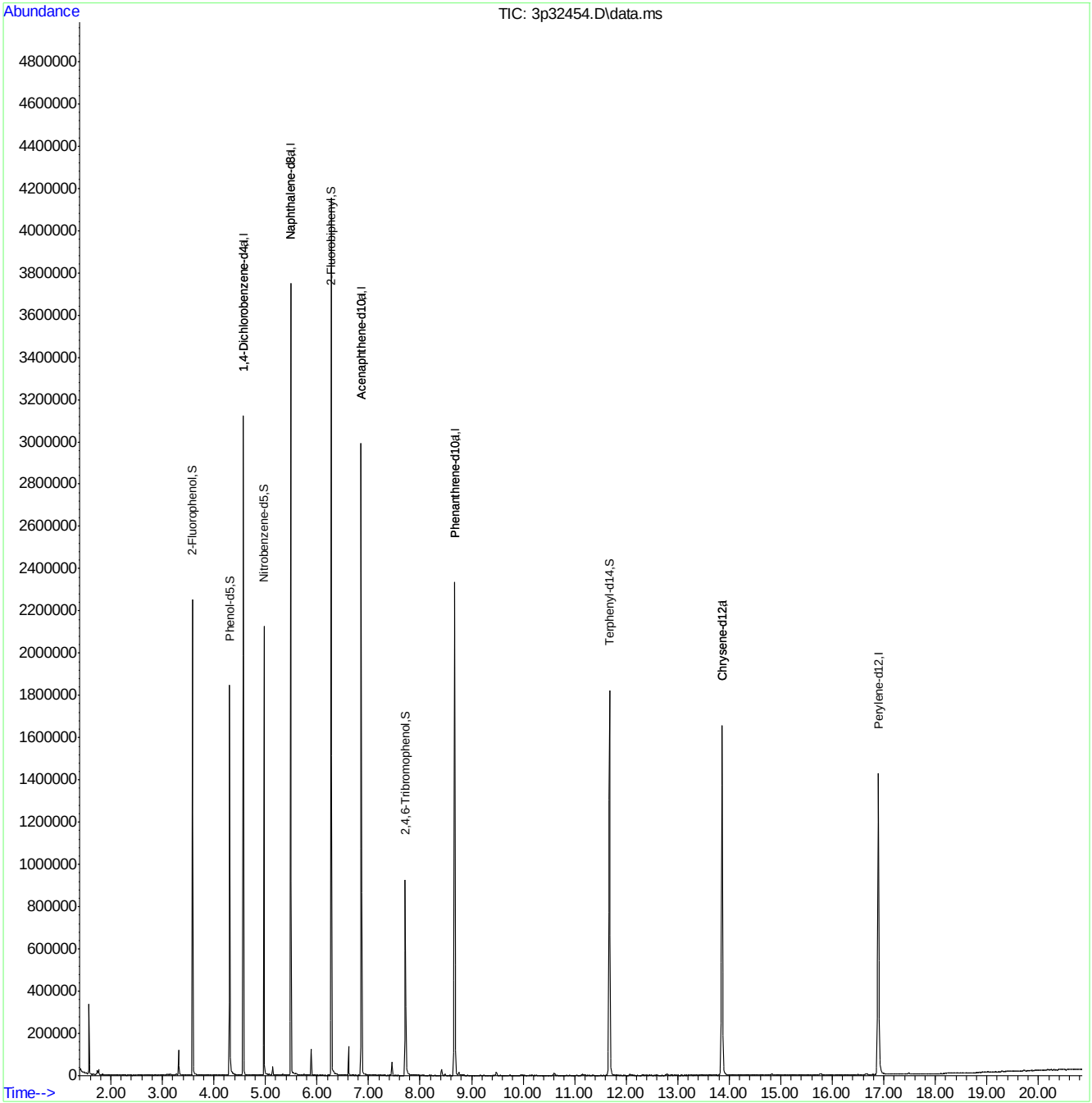
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	356756	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1218578	40.00	ppb	0.00
47) Acenaphthene-d10	6.859	164	661991	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1054586	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	953574	40.00	ppb	-0.01
91) Perylene-d12	16.893	264	852938	40.00	ppb	-0.01
101) 1,4-Dichlorobenzene-d4a	4.569	152	356756	40.00	ppb	0.00
103) Acenaphthene-d10a	6.859	164	661991	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	953574	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1218578	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1054586	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.585	112	475226	40.26	ppb	0.00
Spiked Amount 50.000			Recovery = 80.52%			
8) Phenol-d5	4.302	99	544553	39.62	ppb	0.00
Spiked Amount 50.000			Recovery = 79.24%			
25) Nitrobenzene-d5	4.971	82	455421	45.18	ppb	0.00
Spiked Amount 50.000			Recovery = 90.36%			
51) 2-Fluorobiphenyl	6.276	172	985437	46.78	ppb	0.00
Spiked Amount 50.000			Recovery = 93.56%			
73) 2,4,6-Tribromophenol	7.714	330	113717	42.44	ppb	0.00
Spiked Amount 50.000			Recovery = 84.88%			
85) Terphenyl-d14	11.678	244	921128	49.12	ppb	0.00
Spiked Amount 50.000			Recovery = 98.24%			
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32454.D
Acq On : 6 Jun 2014 11:19 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 07 08:37:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32455.D
Acq On : 6 Jun 2014 11:44 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 14:08:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

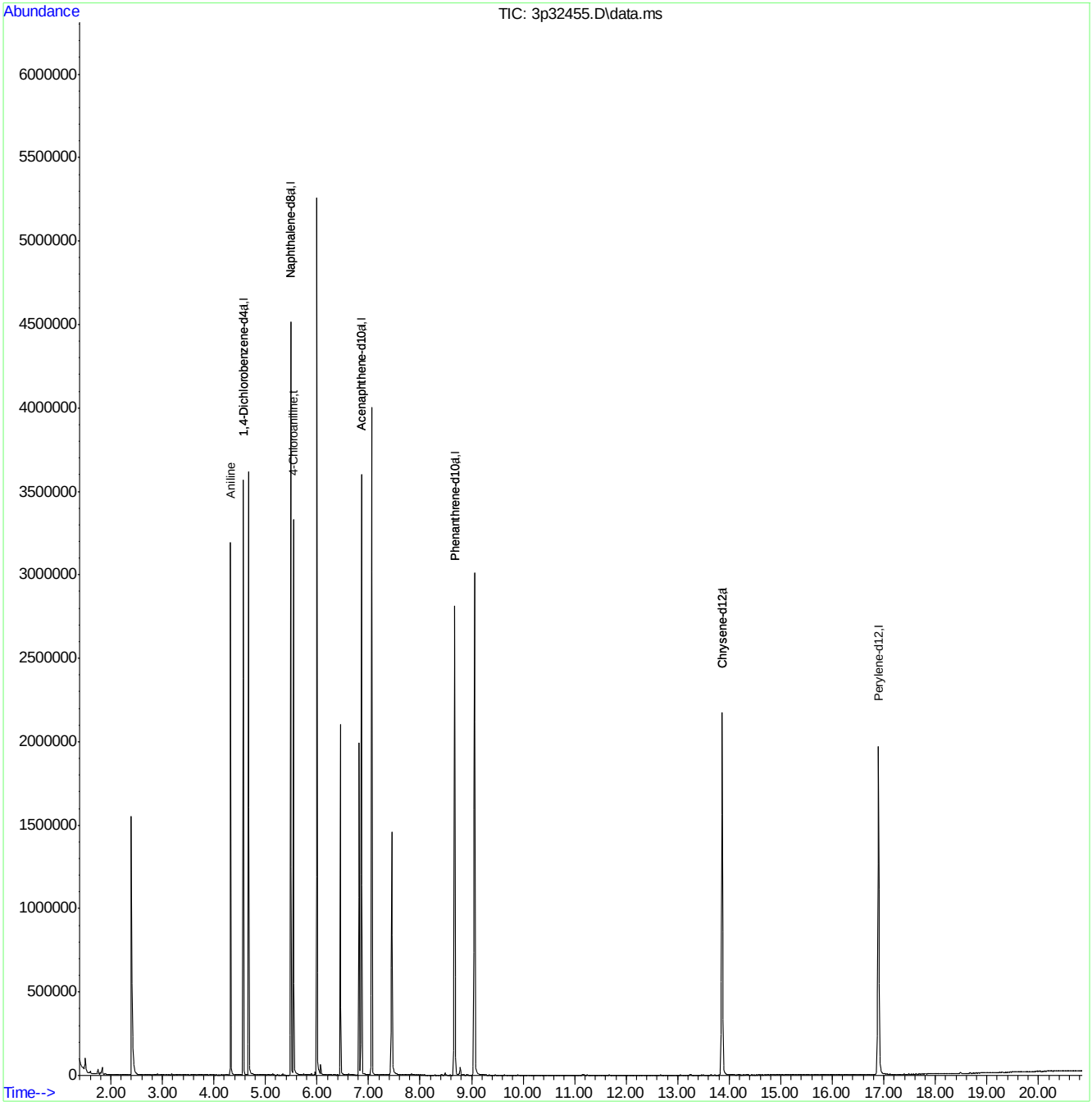
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	413956	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1412415	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	776563	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1253703	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1248487	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1143737	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	413956	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	776563	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1248487	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1412415	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1253703	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.323	93	946874	53.22	ppb	98
39) 4-Chloroaniline	5.543	127	766871	50.00	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32455.D
Acq On : 6 Jun 2014 11:44 pm
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 14:08:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:09:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

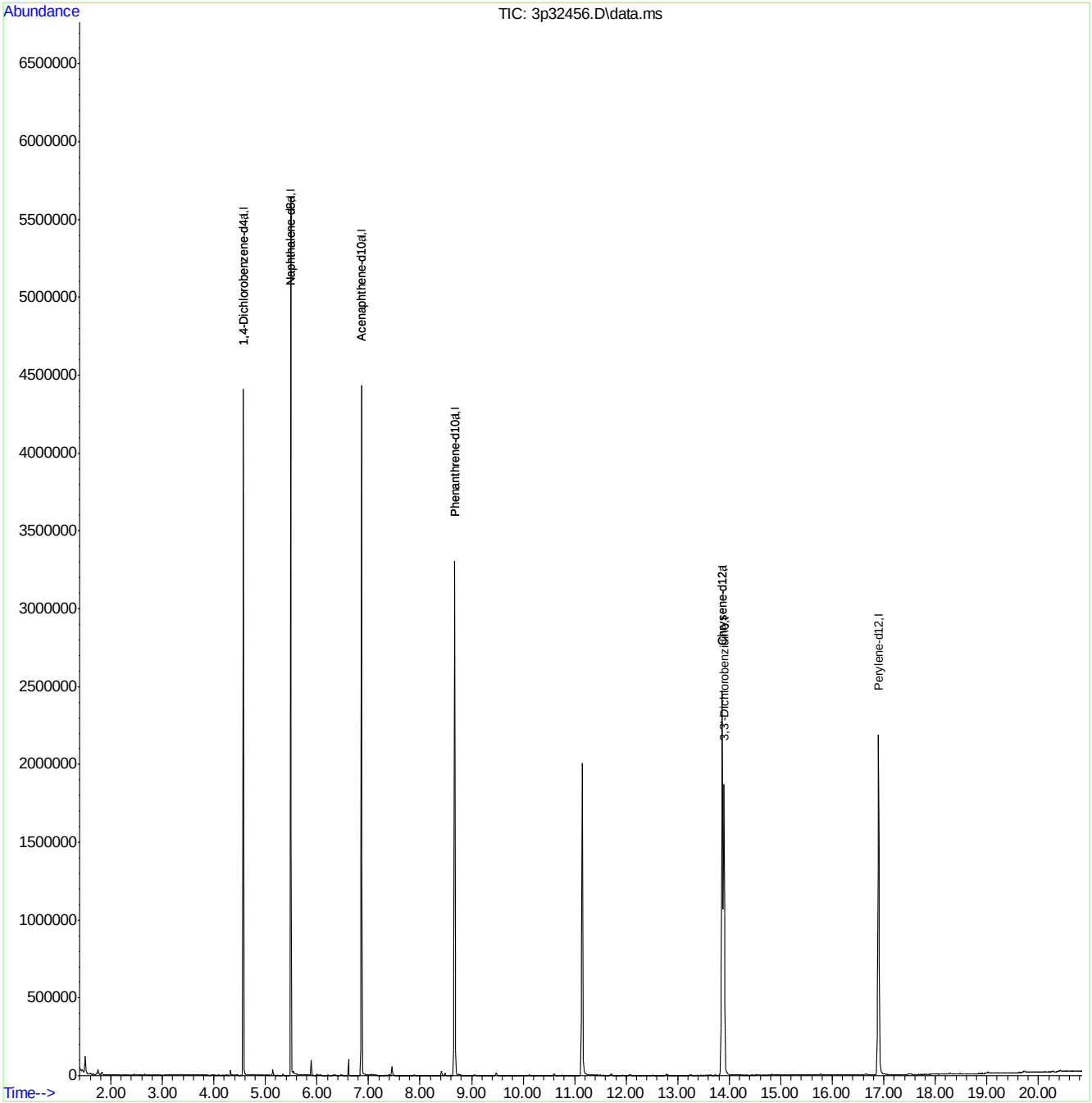
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	521957	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1760463	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	948422	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1486377	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1392008	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1311218	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	521957	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	948422	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1392008	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1760463	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1486377	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
88) 3,3'-Dichlorobenzidine	13.897	252	654447	46.81	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1389-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:09:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456A.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:10:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

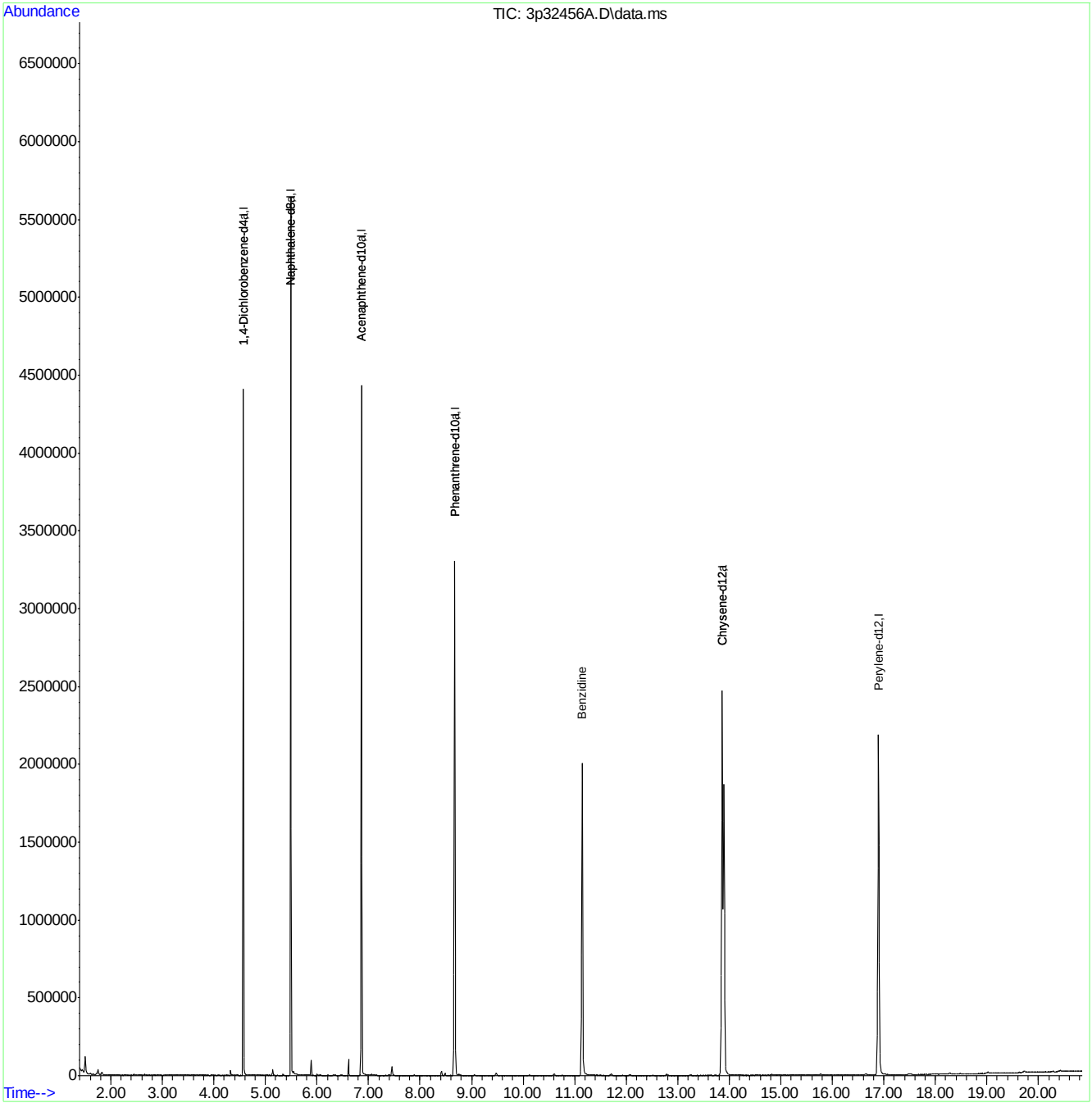
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	521957	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1760463	40.00	ppb	0.00
47) Acenaphthene-d10	6.864	164	948422	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1486377	40.00	ppb	0.00
83) Chrysene-d12	13.865	240	1392008	40.00	ppb	0.00
91) Perylene-d12	16.898	264	1311218	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	521957	40.00	ppb	0.00
103) Acenaphthene-d10a	6.864	164	948422	40.00	ppb	0.00
107) Chrysene-d12a	13.865	240	1392008	40.00	ppb	0.00
109) Naphthalene-d8a	5.489	136	1760463	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1486377	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	11.148	184	1217059	68.50	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32456A.D
Acq On : 7 Jun 2014 12:10 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 14:10:23 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32457.D
Acq On : 7 Jun 2014 12:35 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 07 08:39:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

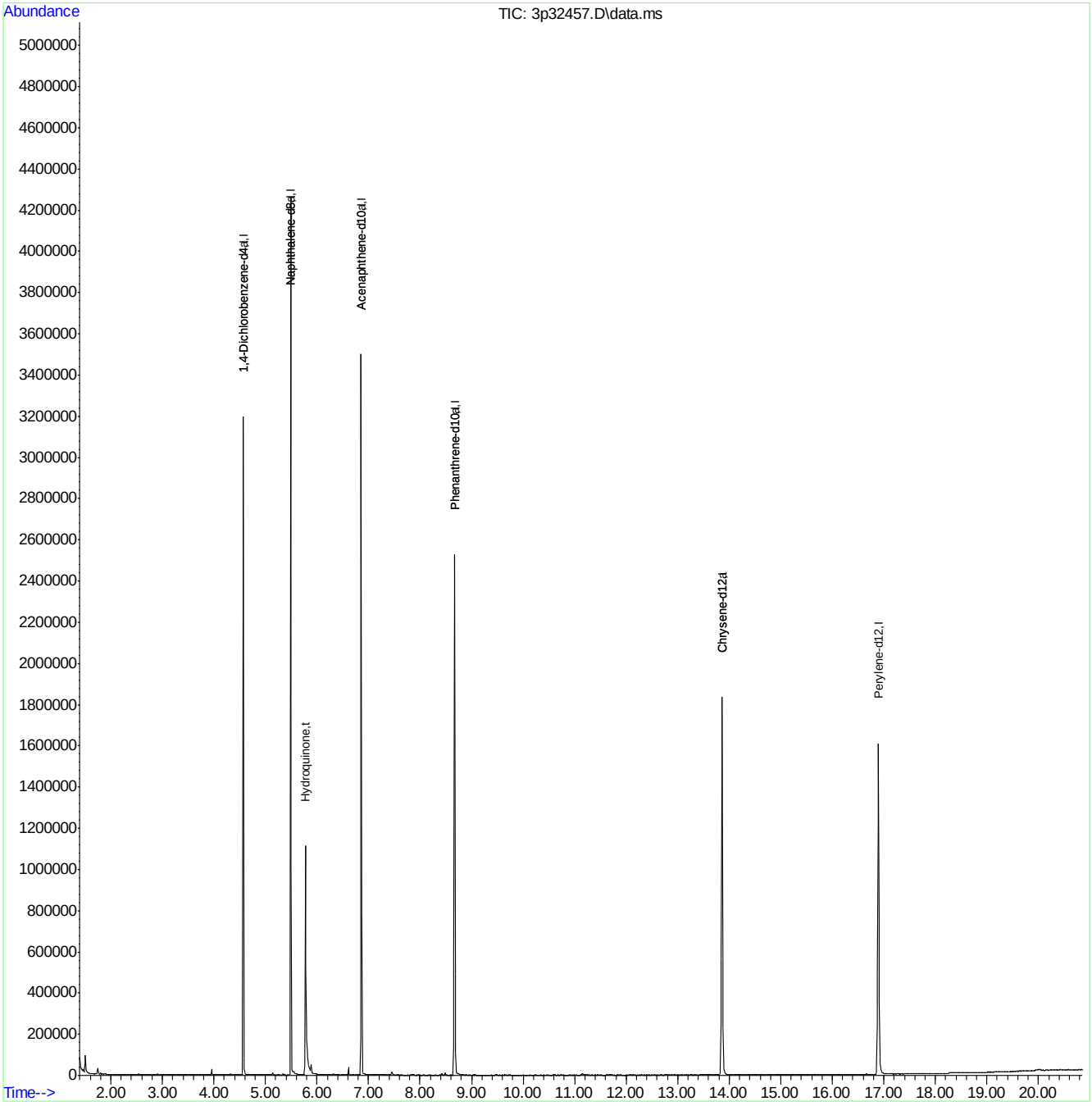
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.569	152	394573	40.00	ppb	0.00
24) Naphthalene-d8	5.489	136	1376575	40.00	ppb	0.00
47) Acenaphthene-d10	6.858	164	738863	40.00	ppb	0.00
69) Phenanthrene-d10	8.672	188	1159951	40.00	ppb	0.00
83) Chrysene-d12	13.860	240	1062366	40.00	ppb	-0.01
91) Perylene-d12	16.898	264	954147	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.569	152	394573	40.00	ppb	0.00
103) Acenaphthene-d10a	6.858	164	738863	40.00	ppb	0.00
107) Chrysene-d12a	13.860	240	1062366	40.00	ppb	-0.01
109) Naphthalene-d8a	5.489	136	1376575	40.00	ppb	0.00
111) Phenanthrene-d10a	8.672	188	1159951	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
110) Hydroquinone	5.773	110	566647	58.64	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1389\
Data File : 3p32457.D
Acq On : 7 Jun 2014 12:35 am
Operator : samtap
Sample : icv1390-50
Misc : op74992,e3p1390,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 07 08:39:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32489.D
Acq On : 9 Jun 2014 10:58 am
Operator : samtap
Sample : icv1389-50
Misc : op75409,e3p1392,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:27:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration

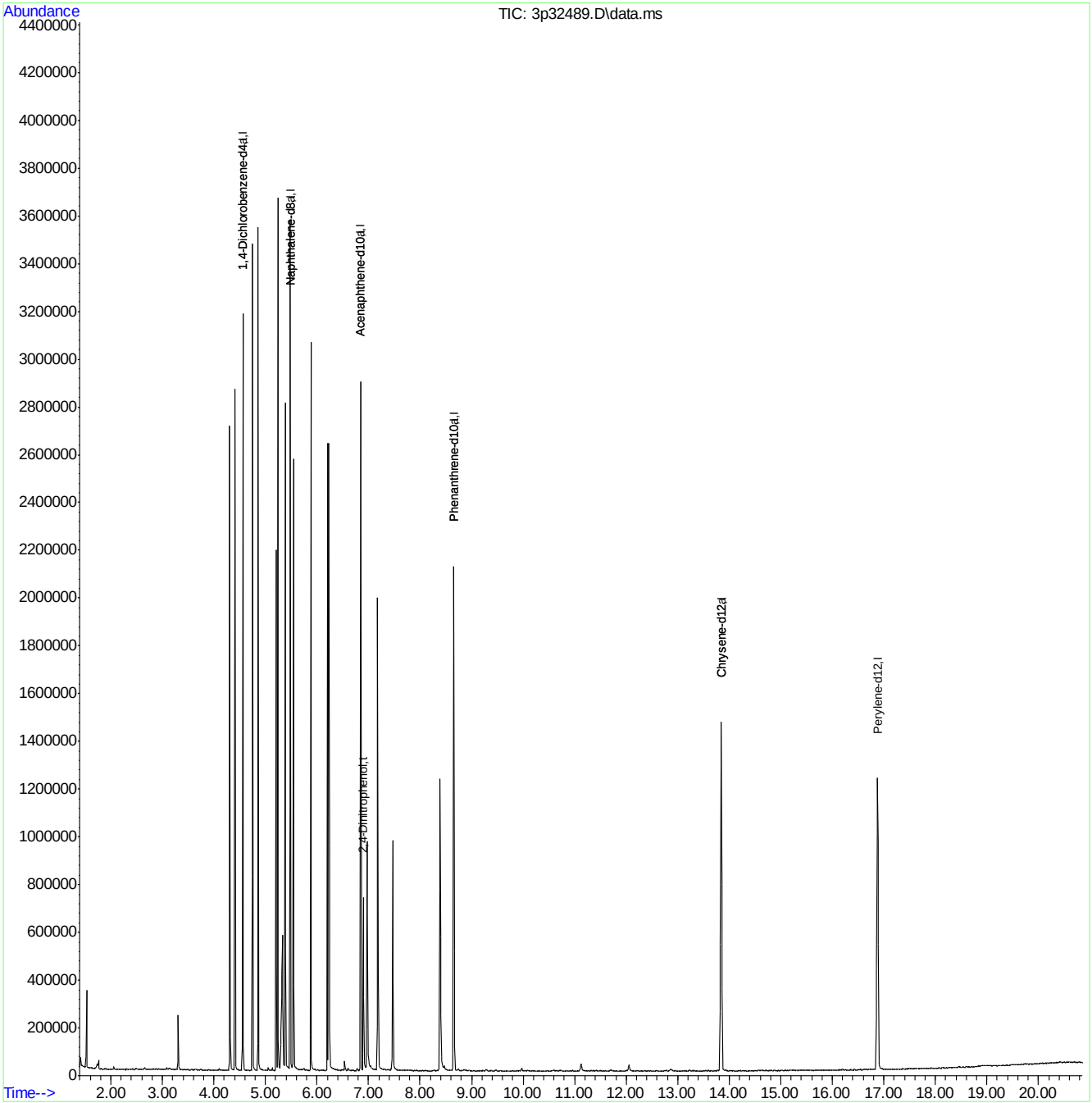
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.559	152	334262	40.00	ppb	-0.01
24) Naphthalene-d8	5.479	136	1081471	40.00	ppb	-0.01
47) Acenaphthene-d10	6.848	164	591879	40.00	ppb	-0.02
69) Phenanthrene-d10	8.656	188	907476	40.00	ppb	-0.02
83) Chrysene-d12	13.844	240	801823	40.00	ppb	-0.03
91) Perylene-d12	16.882	264	716205	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.559	152	334262	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.848	164	591879	40.00	ppb	-0.02
107) Chrysene-d12a	13.844	240	801823	40.00	ppb	-0.03
109) Naphthalene-d8a	5.479	136	1081471	40.00	ppb	-0.01
111) Phenanthrene-d10a	8.656	188	907476	40.00	ppb	-0.02
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	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%		
112) o-Terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
113) 1-Chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
60) 2,4-Dinitrophenol	6.901	184	85240	54.29	ppb	# 76

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\1392\
Data File : 3p32489.D
Acq On : 9 Jun 2014 10:58 am
Operator : samtap
Sample : icv1389-50
Misc : op75409,e3p1392,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 15:27:20 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:21 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 16:12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33094.D
Acq On : 24 Jun 2014 7:56 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75799,e3p1414
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 14:13:34 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.462	152	262464	40.00	ppb	-0.02
24) Naphthalene-d8	5.388	136	823570	40.00	ppb	-0.02
47) Acenaphthene-d10	6.730	164	543683	40.00	ppb	-0.03
69) Phenanthrene-d10	8.506	188	983248	40.00	ppb	-0.04
83) Chrysene-d12	13.673	240	1022022	40.00	ppb	-0.04
91) Perylene-d12	16.705	264	761374	40.00	ppb	-0.04
101) 1,4-Dichlorobenzene-d4a	4.462	152	262464	40.00	ppb	-0.02
103) Acenaphthene-d10a	6.730	164	543683	40.00	ppb	-0.03
106) Chrysene-d12a	13.673	240	1022022	40.00	ppb	-0.04
108) Naphthalene-d8a	5.388	136	823570	40.00	ppb	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.494	112	360905	41.56	ppb	-0.02
Spiked Amount 50.000			Recovery = 83.12%			
8) Phenol-d5	4.227	99	444636	43.97	ppb	-0.02
Spiked Amount 50.000			Recovery = 87.94%			
25) Nitrobenzene-d5	4.869	82	361353	53.04	ppb	-0.02
Spiked Amount 50.000			Recovery = 106.08%			
51) 2-Fluorobiphenyl	6.163	172	811498	46.91	ppb	-0.02
Spiked Amount 50.000			Recovery = 93.82%			
73) 2,4,6-Tribromophenol	7.570	330	126543	50.65	ppb	-0.04
Spiked Amount 50.000			Recovery = 101.30%			
85) Terphenyl-d14	11.469	244	1036803	51.58	ppb	-0.05
Spiked Amount 50.000			Recovery = 103.16%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.932	88	163722	41.64	ppb	94
3) Pyridine	2.285	79	398602	40.77	ppb	94
4) N-Nitrosodimethylamine	2.248	42	224029m	63.19	ppb	
6) Indene	4.650	116	690516	45.35	ppb	98
7) Cumene	3.869	105	1091034	47.04	ppb	97
9) Phenol	4.232	94	473669	41.98	ppb	78
10) Aniline	4.227	93	519427	46.04	ppb	82
11) bis(2-Chloroethyl)ether	4.270	93	309167	43.24	ppb	90
12) 2-Chlorophenol	4.318	128	405298	42.72	ppb	92
13) Decane	4.350	43	368973	56.31	ppb	81
14) 1,3-Dichlorobenzene	4.425	146	474738	43.67	ppb	100
15) 1,4-Dichlorobenzene	4.478	146	483432	44.75	ppb	99
16) Benzyl alcohol	4.575	108	239071	45.84	ppb	92
17) 1,2-Dichlorobenzene	4.591	146	442114	44.13	ppb	96
18) Acetophenone	4.762	105	582737	49.21	ppb	90
19) 2-Methylphenol	4.671	108	317106	46.02	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.666	45	360451	50.92	ppb	74
21) 3&4-Methylphenol	4.778	108	332147	46.30	ppb	99
22) n-Nitroso-di-n-propyla...	4.762	70	244626	53.19	ppb	84
23) Hexachloroethane	4.831	201	211909	61.60	ppb	91
26) Nitrobenzene	4.885	77	377380	52.76	ppb	91
27) Quinoline	5.644	129	749057	46.92	ppb	98
28) Isophorone	5.056	82	621343	51.40	ppb	91
29) 2-Nitrophenol	5.115	139	223883	55.08	ppb	82
30) 2,4-Dimethylphenol	5.158	107	337508	58.88	ppb	94
31) Benzoic acid	5.259	105	251303	55.23	ppb	91
32) bis(2-Chloroethoxy)met...	5.211	93	338071	46.38	ppb	98
33) 2,4-Dichlorophenol	5.297	162	337558	51.68	ppb	96
34) 2,6-Dichlorophenol	5.452	162	335123	54.03	ppb	97
35) 1,3,5-Trichlorobenzene	5.120	180	516707	60.34	ppb	96
36) 1,2,4-Trichlorobenzene	5.345	180	414176	56.46	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33094.D
Acq On : 24 Jun 2014 7:56 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75799,e3p1414
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 14:13:34 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,2,3-Trichlorobenzene	5.505	180	453936	58.85	ppb	99
38)	Naphthalene	5.398	128	982560	45.98	ppb	99
39)	4-Chloroaniline	5.446	127	422639	47.26	ppb	98
40)	2,3-Dichloroaniline	6.104	161	478930	54.57	ppb	98
41)	Caprolactam	5.709	113	107779	45.20	ppb	94
42)	Hexachlorobutadiene	5.489	225	272924	70.68	ppb	98
43)	4-Chloro-3-methylphenol	5.805	107	301177m	49.49	ppb	
44)	2-Methylnaphthalene	5.896	141	635763	49.49	ppb	97
45)	1-Methylnaphthalene	5.965	141	717354	50.77	ppb	99
46)	Dimethylnaphthalene	6.366	156	772594	54.53	ppb	96
48)	Hexachlorocyclopentadiene	6.008	237	450971	107.14	ppb	98
49)	2,4,6-Trichlorophenol	6.110	196	285313	57.03	ppb	99
50)	2,4,5-Trichlorophenol	6.152	196	305023	54.67	ppb	98
52)	2-Chloronaphthalene	6.259	162	711837	44.14	ppb	99
53)	Biphenyl	6.238	154	1005748	43.91	ppb	100
54)	2-Nitroaniline	6.345	65	206894	53.79	ppb	82
55)	Dimethylphthalate	6.484	163	793037	45.58	ppb	99
56)	Acenaphthylene	6.602	152	1118598	43.09	ppb	100
57)	2,6-Dinitrotoluene	6.543	165	185617	52.12	ppb	96
58)	3-Nitroaniline	6.698	138	191639	41.25	ppb	95
59)	Acenaphthene	6.762	153	686375	43.58	ppb	97
60)	2,4-Dinitrophenol	6.810	184	209606m	112.56	ppb	
61)	4-Nitrophenol	6.891	109	119047m	59.16	ppb	
62)	Dibenzofuran	6.928	168	1017434	45.75	ppb	93
63)	2,4-Dinitrotoluene	6.928	165	263399	54.74	ppb	72
64)	2,3,4,6-Tetrachlorophenol	7.067	232	252461	63.08	ppb	89
65)	Diethylphthalate	7.163	149	786962	44.73	ppb	98
66)	Fluorene	7.286	166	851319	47.36	ppb	100
67)	4-Chlorophenyl-phenyle...	7.286	204	461570	57.86	ppb	81
68)	4-Nitroaniline	7.324	138	172922	36.62	ppb	79
70)	4,6-Dinitro-2-methylph...	7.372	198	150703	53.44	ppb	81
71)	n-Nitrosodiphenylamine	7.420	169	544953	41.76	ppb	99
72)	1,2-Diphenylhydrazine	7.468	77	732072	42.47	ppb	96
74)	4-Bromophenyl-phenylether	7.880	248	274299	53.58	ppb	86
75)	Hexachlorobenzene	7.971	284	301495	51.83	ppb	96
76)	Pentachlorophenol	8.255	266	359903	101.30	ppb	99
77)	Phenanthrene	8.538	178	1201153	42.99	ppb	100
78)	Anthracene	8.618	178	1208356	44.38	ppb	99
79)	Carbazole	8.891	167	1256385	41.50	ppb	99
80)	Di-n-butylphthalate	9.560	149	1370837	40.83	ppb	99
81)	Fluoranthene	10.613	202	1510877	49.23	ppb	96
82)	Octadecane	8.410	57	451144	41.79	ppb	90
84)	Pyrene	11.047	202	1530724	45.18	ppb	100
86)	Butylbenzylphthalate	12.630	149	603899	38.11	ppb	98
87)	Benzo[a]anthracene	13.651	228	1429850	50.03	ppb	100
88)	3,3'-Dichlorobenzidine	13.694	252	487837	47.53	ppb	98
89)	Chrysene	13.726	228	1224961	48.52	ppb	98
90)	bis(2-Ethylhexyl)phtha...	14.036	149	768032	37.88	ppb	100
92)	Di-n-octylphthalate	15.475	149	1310870	43.70	ppb	97
93)	Benzo[b]fluoranthene	15.962	252	1329868	56.52	ppb	93
94)	Benzo[k]fluoranthene	16.015	252	1172010	51.80	ppb	96
95)	Benzo[a]pyrene	16.588	252	1102208	53.43	ppb	95
96)	Indeno[1,2,3-cd]pyrene	18.658	276	958829	47.46	ppb	84
97)	Dibenz(a,h)acridine	18.294	279	991967	47.94	ppb	91
98)	Dibenz[a,h]anthracene	18.711	278	946686	46.86	ppb	91
99)	7,12-Dimethylbenz(a)an...	15.967	256	706698	90.45	ppb	98
100)	Benzo[g,h,i]perylene	19.080	276	926315	44.82	ppb	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33094.D
Acq On : 24 Jun 2014 7:56 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75799,e3p1414
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 14:13:34 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration

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

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

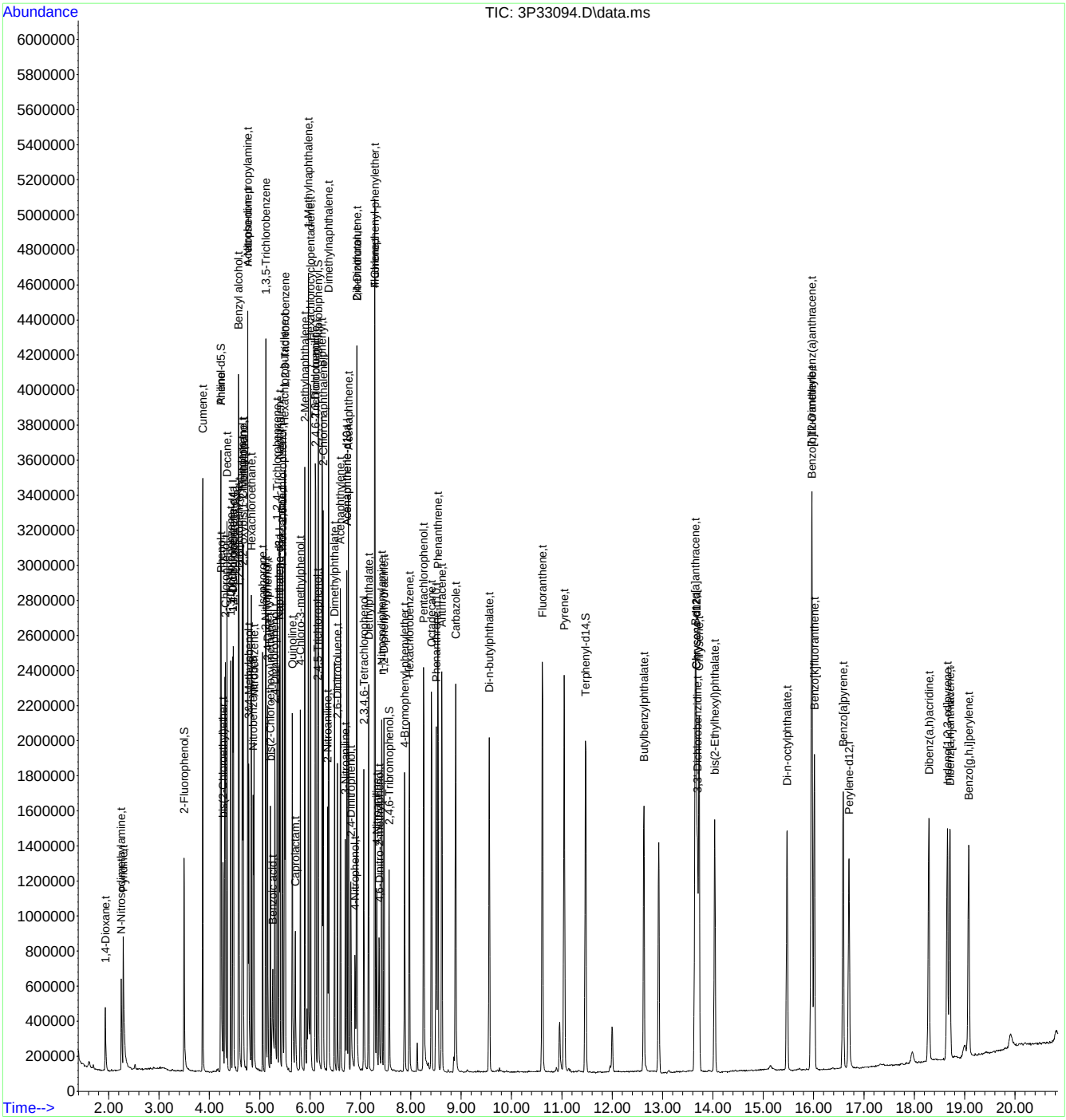
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33094.D
Acq On : 24 Jun 2014 7:56 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75799,e3p1414
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 14:13:34 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: E3P1414-CC1389
Lab FileID: 3P33094.D
Injection Time: 06/24/14 19:56

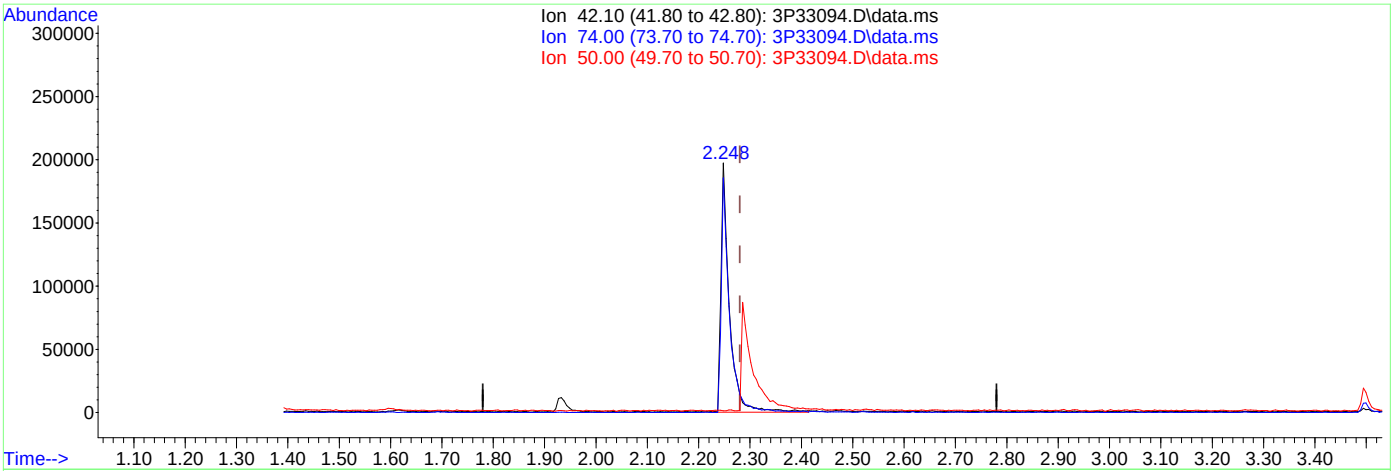
Method: SW846 8270D
Analyst approved: 06/25/14 15:39 Samta Patel
Supervisor approved: 06/26/14 16:12 Nina Pandya

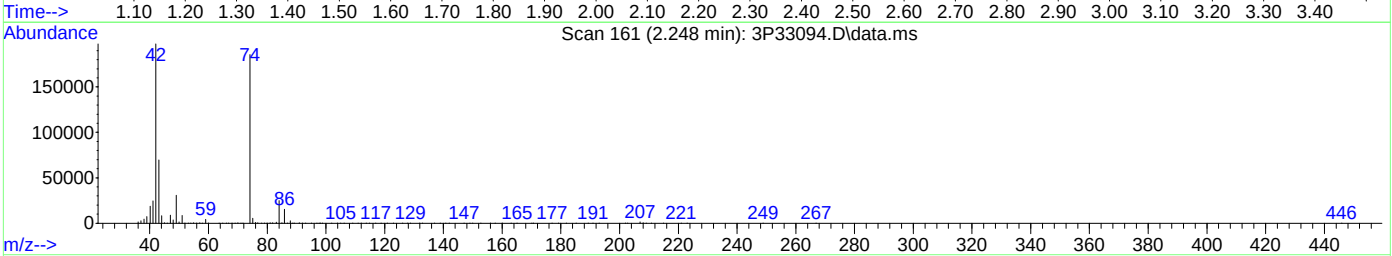
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Nitrosodimethylamine	62-75-9		2.25	Poor instrument integration
4-Chloro-3-methyl phenol	59-50-7		5.80	Poor instrument integration
2,4-Dinitrophenol	51-28-5		6.81	Poor instrument integration
4-Nitrophenol	100-02-7		6.89	Poor instrument integration

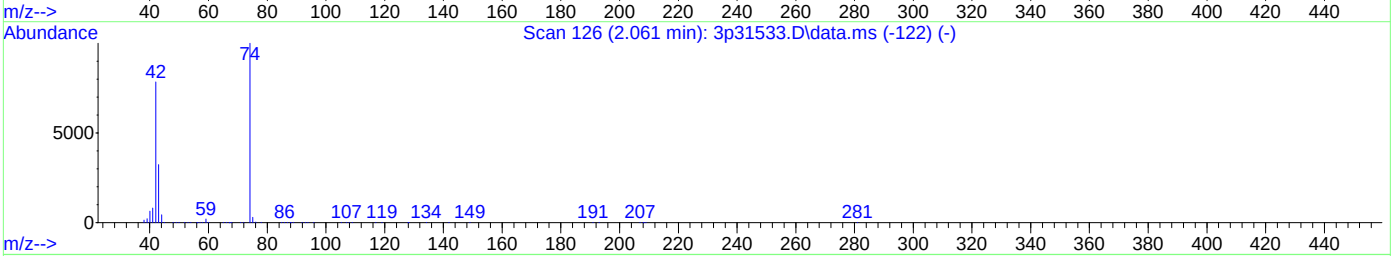
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1414\
Data File : 3P33094.D
Acq On : 24 Jun 2014 7:56 pm
Operator : ashleyd
Sample : cc1389-50
Misc : op75799,e3p1414
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 14:13:34 2014
Quant Method : C:\msdchem\1\METHODS\M3P1389.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Sat Jun 07 08:20:07 2014
Response via : Initial Calibration







TIC: 3P33094.D\data.ms

(4) N-Nitrosodimethylamine (t)

2.248min (-0.032) 63.19ppb m

response 224029

Ion	Exp%	Act%
42.10	100	100
74.00	144.80	94.01#
50.00	0.00	0.67
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33389.D
Acq On : 2 Jul 2014 5:35 pm
Operator : ashleyd
Sample : icc1427-50
Misc : op75725,e3p1427
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 08:08:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:05:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	277429	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	885892	40.00	ppb	0.00
47) Acenaphthene-d10	6.650	164	574683	40.00	ppb	0.00
69) Phenanthrene-d10	8.404	188	1055464	40.00	ppb	0.00
83) Chrysene-d12	13.571	240	1257629	40.00	ppb	0.00
91) Perylene-d12	16.604	264	1064922	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.398	152	277429	40.00	ppb	0.00
103) Acenaphthene-d10a	6.650	164	574683	40.00	ppb	0.00
106) Chrysene-d12a	13.571	240	1257629	40.00	ppb	0.00
108) Naphthalene-d8a	5.318	136	885892	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.436	112	383329	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
8) Phenol-d5	4.163	99	468968	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
25) Nitrobenzene-d5	4.805	82	385264	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
51) 2-Fluorobiphenyl	6.094	172	859265	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
73) 2,4,6-Tribromophenol	7.484	330	151870	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
85) Terphenyl-d14	11.373	244	1158691	50.00	ppb	0.00
Spiked Amount 50.000			Recovery =	100.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.847	88	152362	50.00	ppb	100
3) Pyridine	2.200	79	357918	50.00	ppb	100
4) N-Nitrosodimethylamine	2.163	42	206459	50.00	ppb	100
6) Indene	4.586	116	616691	50.00	ppb	100
7) Cumene	3.794	105	1003052	50.00	ppb	100
9) Phenol	4.174	94	533182	50.00	ppb	100
10) Aniline	4.163	93	482902	50.00	ppb	100
11) bis(2-Chloroethyl)ether	4.206	93	329084	50.00	ppb	100
12) 2-Chlorophenol	4.254	128	403409	50.00	ppb	100
13) Decane	4.286	43	322682	50.00	ppb	100
14) 1,3-Dichlorobenzene	4.356	146	494351	50.00	ppb	100
15) 1,4-Dichlorobenzene	4.409	146	492050	50.00	ppb	100
16) Benzyl alcohol	4.516	108	244251	50.00	ppb	100
17) 1,2-Dichlorobenzene	4.521	146	457672	50.00	ppb	100
18) Acetophenone	4.698	105	507419	50.00	ppb	100
19) 2-Methylphenol	4.612	108	319149	50.00	ppb	100
20) 2,2'-oxybis(1-Chloropr...	4.602	45	359087	50.00	ppb	100
21) 3&4-Methylphenol	4.725	108	333283	50.00	ppb	100
22) n-Nitroso-di-n-propyla...	4.703	70	237061	50.00	ppb	100
23) Hexachloroethane	4.762	201	211361	50.00	ppb	100
26) Nitrobenzene	4.821	77	391978	50.00	ppb	100
27) Quinoline	5.580	129	665687	50.00	ppb	100
28) Isophorone	4.992	82	644313	50.00	ppb	100
29) 2-Nitrophenol	5.051	139	219036	50.00	ppb	100
30) 2,4-Dimethylphenol	5.094	107	335435	50.00	ppb	100
32) bis(2-Chloroethoxy)met...	5.147	93	355210	50.00	ppb	100
33) 2,4-Dichlorophenol	5.243	162	348050	50.00	ppb	100
34) 2,6-Dichlorophenol	5.388	162	337667	50.00	ppb	100
35) 1,3,5-Trichlorobenzene	5.056	180	460201	50.00	ppb	100
36) 1,2,4-Trichlorobenzene	5.281	180	422269	50.00	ppb	100
37) 1,2,3-Trichlorobenzene	5.441	180	412069	50.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33389.D
Acq On : 2 Jul 2014 5:35 pm
Operator : ashleyd
Sample : icc1427-50
Misc : op75725,e3p1427
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 08:08:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:05:07 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) Naphthalene	5.334	128	1006698	50.00	ppb	100
39) 4-Chloroaniline	5.382	127	396313	50.00	ppb	100
40) 2,3-Dichloroaniline	6.040	161	411162	50.00	ppb	100
41) Caprolactam	5.650	113	98838	50.00	ppb	100
42) Hexachlorobutadiene	5.425	225	275948	50.00	ppb	100
43) 4-Chloro-3-methylphenol	5.752	107	308764	50.00	ppb	100
44) 2-Methylnaphthalene	5.826	141	626546	50.00	ppb	100
45) 1-Methylnaphthalene	5.901	141	635698	50.00	ppb	100
46) Dimethylnaphthalene	6.297	156	649898	50.00	ppb	100
48) Hexachlorocyclopentadiene	5.944	237	354259	100.00	ppb	100
49) 2,4,6-Trichlorophenol	6.051	196	269087	50.00	ppb	100
50) 2,4,5-Trichlorophenol	6.094	196	306986	50.00	ppb	100
52) 2-Chloronaphthalene	6.190	162	718729	50.00	ppb	100
53) Biphenyl	6.174	154	874162	50.00	ppb	100
54) 2-Nitroaniline	6.281	65	209873	50.00	ppb	100
55) Dimethylphthalate	6.420	163	806267	50.00	ppb	100
56) Acenaphthylene	6.527	152	1134730	50.00	ppb	100
57) 2,6-Dinitrotoluene	6.474	165	190548	50.00	ppb	100
58) 3-Nitroaniline	6.634	138	197073	50.00	ppb	100
59) Acenaphthene	6.682	153	671417	50.00	ppb	100
60) 2,4-Dinitrophenol	6.741	184	236784	100.00	ppb	100
61) 4-Nitrophenol	6.853	109	102179	50.00	ppb	100
62) Dibenzofuran	6.848	168	1053079	50.00	ppb	100
63) 2,4-Dinitrotoluene	6.853	165	267596	50.00	ppb	100
64) 2,3,4,6-Tetrachlorophenol	6.992	232	238048	50.00	ppb	100
65) Diethylphthalate	7.083	149	795395	50.00	ppb	100
66) Fluorene	7.201	166	849811	50.00	ppb	100
67) 4-Chlorophenyl-phenyle...	7.196	204	465702	50.00	ppb	100
68) 4-Nitroaniline	7.254	138	186814	50.00	ppb	100
70) 4,6-Dinitro-2-methylph...	7.297	198	166913	50.00	ppb	100
71) n-Nitrosodiphenylamine	7.340	169	538824	50.00	ppb	100
72) 1,2-Diphenylhydrazine	7.378	77	745913	50.00	ppb	100
74) 4-Bromophenyl-phenylether	7.784	248	302069	50.00	ppb	100
75) Hexachlorobenzene	7.875	284	352165	50.00	ppb	100
76) Pentachlorophenol	8.169	266	375653	100.00	ppb	100
77) Phenanthrene	8.437	178	1196853	50.00	ppb	100
78) Anthracene	8.517	178	1205478	50.00	ppb	100
79) Carbazole	8.795	167	1143801	50.00	ppb	100
80) Di-n-butylphthalate	9.469	149	1418863	50.00	ppb	100
81) Fluoranthene	10.517	202	1534788	50.00	ppb	100
82) Octadecane	8.319	57	386721	50.00	ppb	100
84) Pyrene	10.945	202	1562195	50.00	ppb	100
86) Butylbenzylphthalate	12.534	149	644807	50.00	ppb	100
87) Benzo[a]anthracene	13.550	228	1532112	50.00	ppb	100
88) 3,3'-Dichlorobenzidine	13.598	252	575369	50.00	ppb	100
89) Chrysene	13.625	228	1320033	50.00	ppb	100
90) bis(2-Ethylhexyl)phtha...	13.946	149	832397	50.00	ppb	100
92) Di-n-octylphthalate	15.379	149	1463942	50.00	ppb	100
93) Benzo[b]fluoranthene	15.866	252	1526489	50.00	ppb	100
94) Benzo[k]fluoranthene	15.914	252	1390140	50.00	ppb	100
95) Benzo[a]pyrene	16.486	252	1295446	50.00	ppb	100
96) Indeno[1,2,3-cd]pyrene	18.567	276	1287988	50.00	ppb	100
97) Dibenz(a,h)acridine	18.198	279	1161368	50.00	ppb	100
98) Dibenz[a,h]anthracene	18.615	278	1251785	50.00	ppb	100
99) 7,12-Dimethylbenz(a)an...	15.860	256	720986	50.00	ppb	100
100) Benzo[g,h,i]perylene	18.989	276	1203565	50.00	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33389.D
Acq On : 2 Jul 2014 5:35 pm
Operator : ashleyd
Sample : icc1427-50
Misc : op75725,e3p1427
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 08:08:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:05:07 2014
Response via : Initial Calibration

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

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

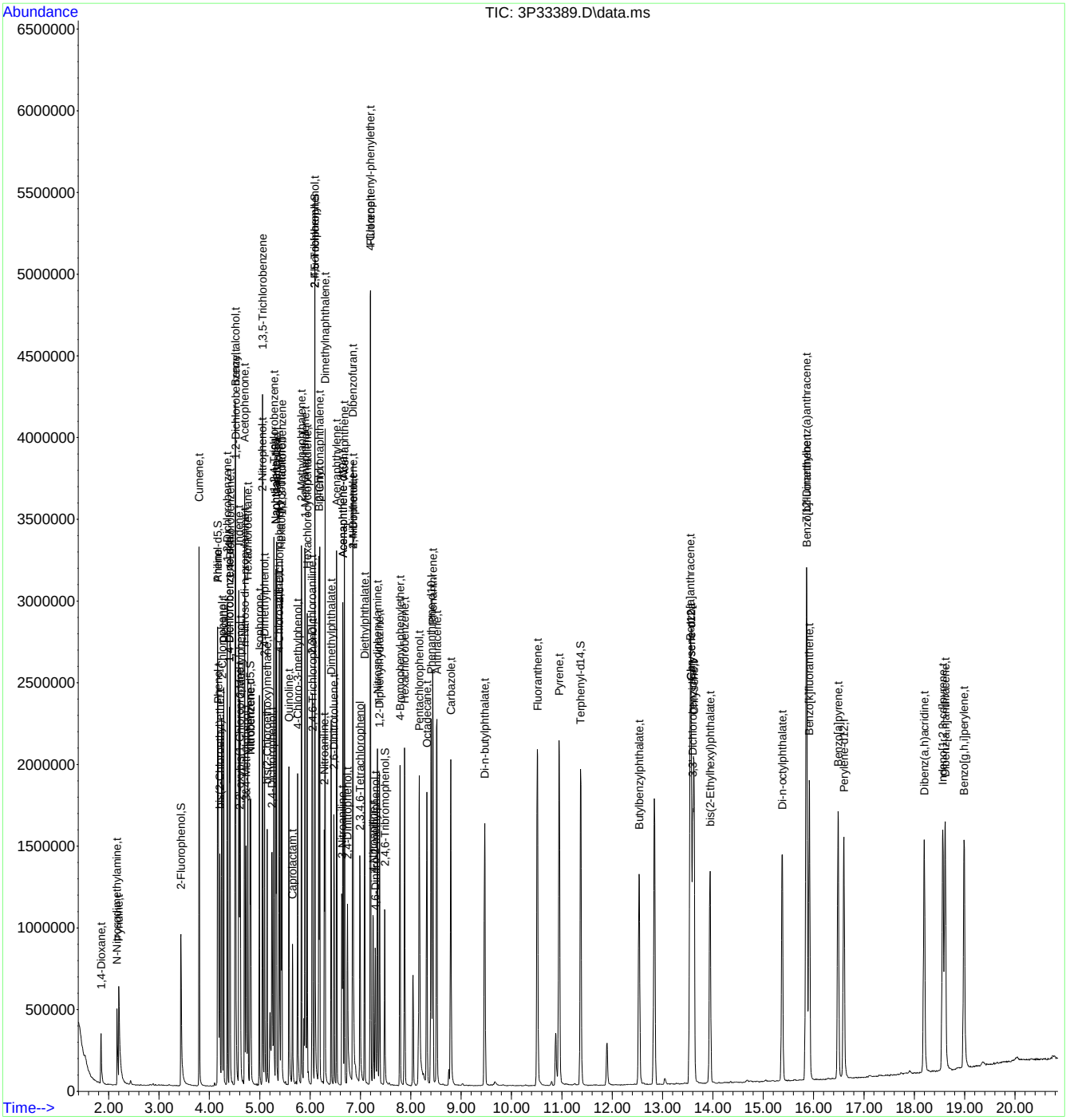
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33389.D
Acq On : 2 Jul 2014 5:35 pm
Operator : ashleyd
Sample : icc1427-50
Misc : op75725,e3p1427
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 08:08:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:05:07 2014
Response via : Initial Calibration

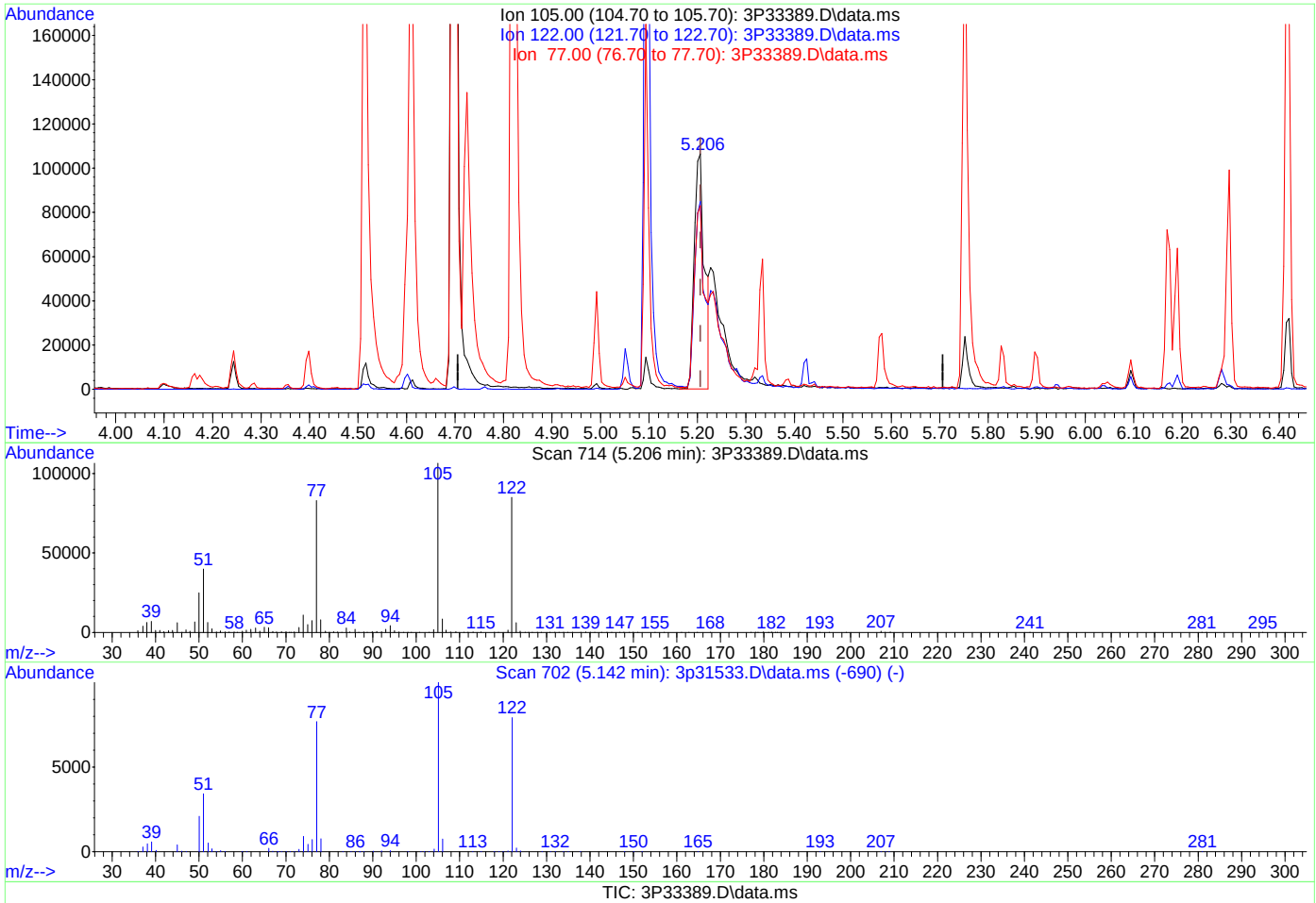


ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33389.D
Acq On : 2 Jul 2014 5:35 pm
Operator : ashleyd
Sample : icc1427-50
Misc : op75725,e3p1427
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 08:05:19 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:05:07 2014
Response via : Initial Calibration



TIC: 3P33389.D\data.ms

(31) Benzoic acid (t)

5.206min (0.000) 0.00ppb

response 155984

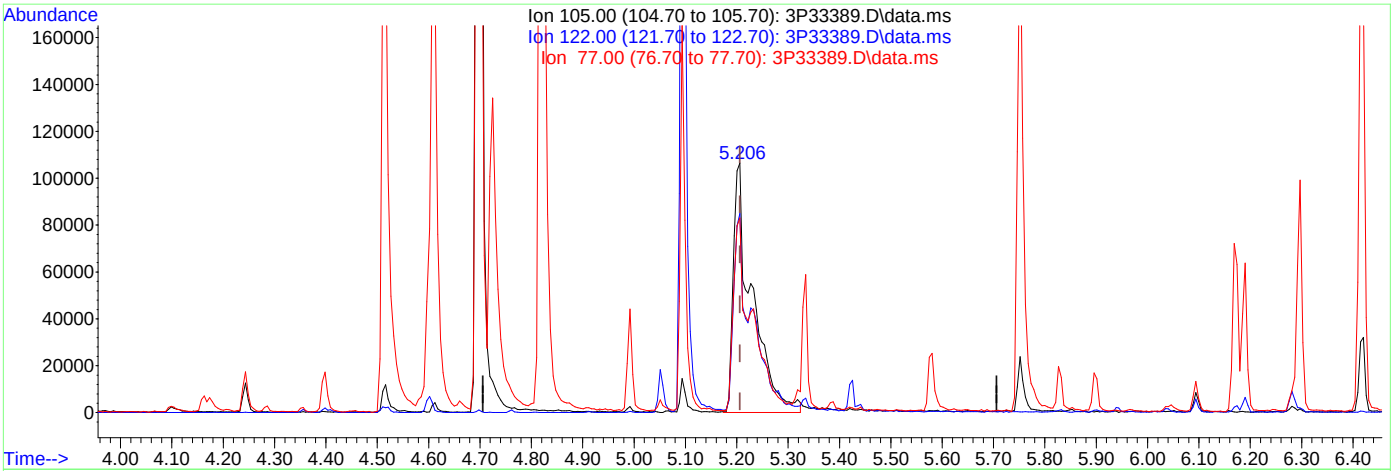
Ion	Exp%	Act%
105.00	100	100
122.00	79.80	80.46
77.00	77.90	77.79
0.00	0.00	0.00

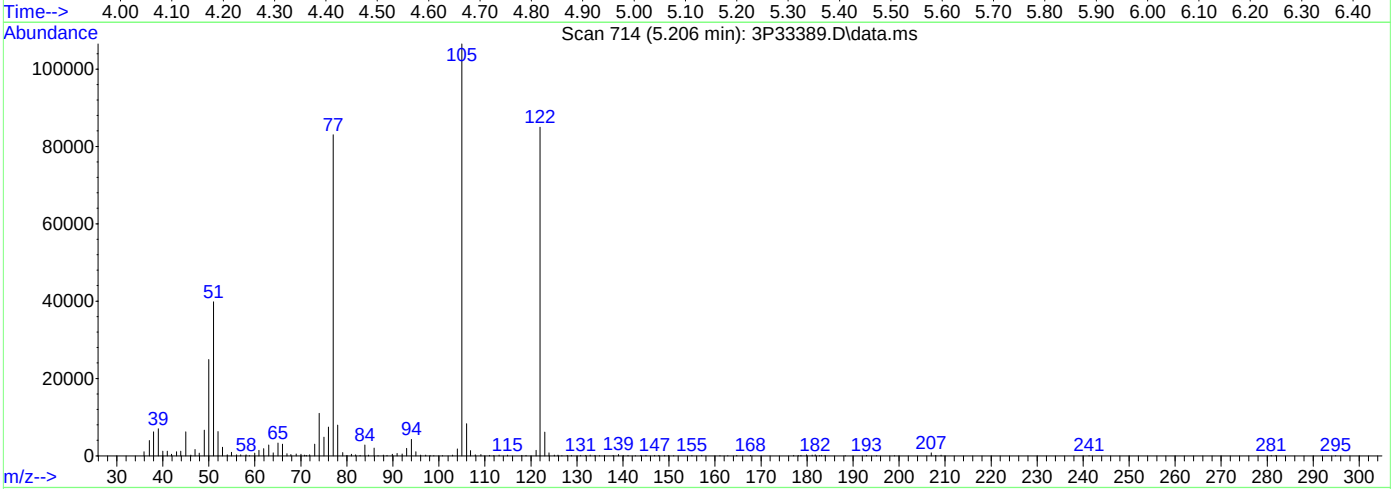
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33389.D
Acq On : 2 Jul 2014 5:35 pm
Operator : ashleyd
Sample : icc1427-50
Misc : op75725,e3p1427
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 08:08:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:05:07 2014
Response via : Initial Calibration





TIC: 3P33389.D\data.ms

(31) Benzoic acid (t)

5.206min (0.000) 0.00ppb m

response 269055

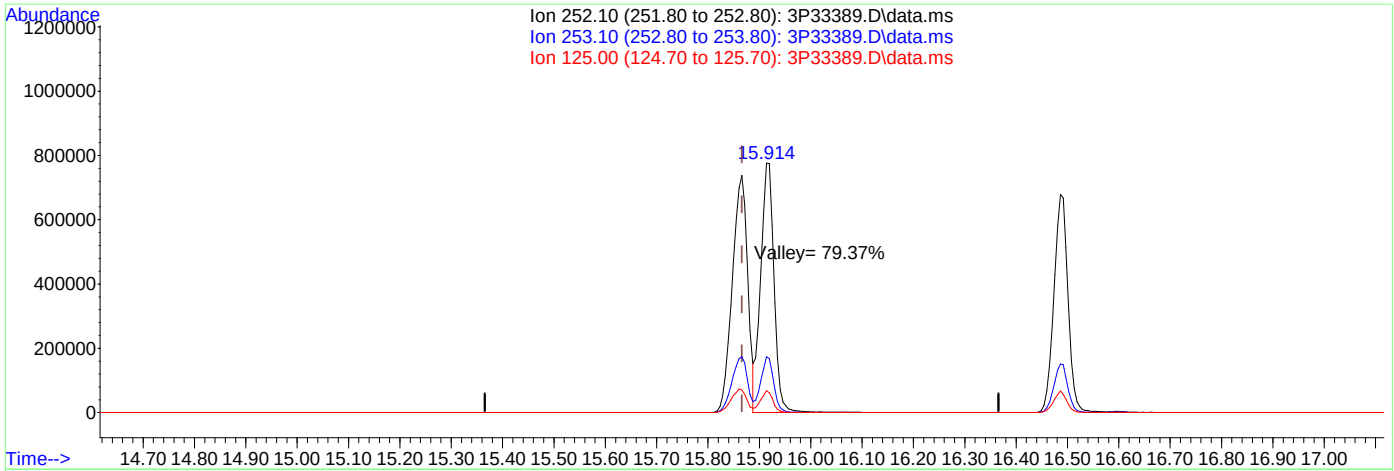
Ion	Exp%	Act%
105.00	100	100
122.00	79.80	79.78
77.00	77.90	77.92
0.00	0.00	0.00

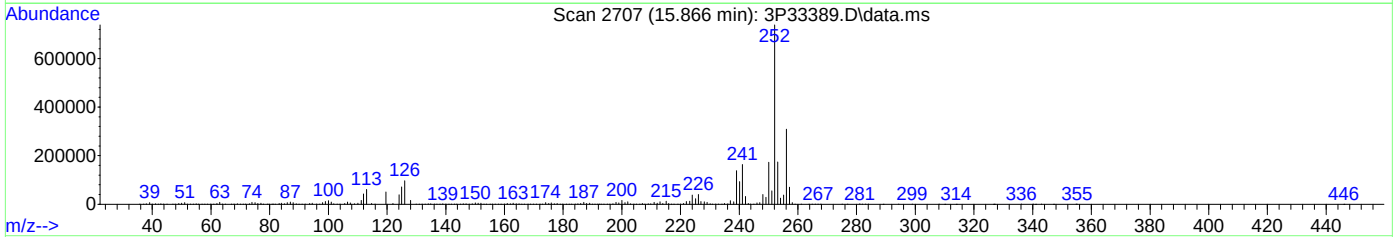
ACCUTEST LABORATORIES JB69926

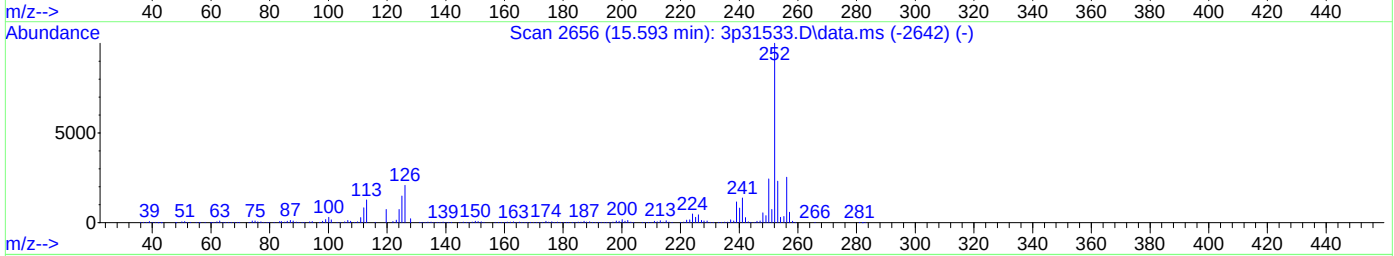
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33389.D
Acq On : 2 Jul 2014 5:35 pm
Operator : ashleyd
Sample : icc1427-50
Misc : op75725,e3p1427
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 08:08:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:05:07 2014
Response via : Initial Calibration







TIC: 3P33389.D\data.ms

(93) Benzo[b]fluoranthene (t)

15.866min (0.000) 50.00ppb

response 1526489

Ion	Exp%	Act%
252.10	100	100
253.10	23.70	23.72
125.00	9.60	9.60
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33390.D
Acq On : 2 Jul 2014 6:09 pm
Operator : ashleyd
Sample : ic1427-25
Misc : op75725,e3p1427
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 08:13:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:11:18 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.398	152	277241	40.00	ppb		0.00
24) Naphthalene-d8	5.318	136	891448	40.00	ppb		0.00
47) Acenaphthene-d10	6.655	164	569673	40.00	ppb		0.00
69) Phenanthrene-d10	8.404	188	1053152	40.00	ppb		0.00
83) Chrysene-d12	13.544	240	1227243	40.00	ppb		-0.03
91) Perylene-d12	16.577	264	1077717	40.00	ppb		-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	277241	40.00	ppb		0.00
103) Acenaphthene-d10a	6.655	164	569673	40.00	ppb		0.00
106) Chrysene-d12a	13.544	240	1227243	40.00	ppb		-0.03
108) Naphthalene-d8a	5.318	136	891448	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.441	112	175239	22.87	ppb		0.00
Spiked Amount 50.000			Recovery = 45.74%				
8) Phenol-d5	4.168	99	225196	24.03	ppb		0.00
Spiked Amount 50.000			Recovery = 48.06%				
25) Nitrobenzene-d5	4.805	82	191843	24.74	ppb		0.00
Spiked Amount 50.000			Recovery = 49.48%				
51) 2-Fluorobiphenyl	6.099	172	437566	25.69	ppb		0.00
Spiked Amount 50.000			Recovery = 51.38%				
73) 2,4,6-Tribromophenol	7.484	330	78799	26.00	ppb		0.00
Spiked Amount 50.000			Recovery = 52.00%				
85) Terphenyl-d14	11.362	244	591333	26.15	ppb		-0.01
Spiked Amount 50.000			Recovery = 52.30%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.847	88	69625	22.86	ppb		97
3) Pyridine	2.211	79	166129	23.22	ppb		97
4) N-Nitrosodimethylamine	2.168	42	104087	25.22	ppb		95
6) Indene	4.585	116	315886	25.63	ppb		98
7) Cumene	3.794	105	472800	23.58	ppb		99
9) Phenol	4.179	94	260213	24.42	ppb		99
10) Aniline	4.163	93	230330	23.86	ppb		94
11) bis(2-Chloroethyl)ether	4.211	93	164221	24.97	ppb		96
12) 2-Chlorophenol	4.259	128	202369	25.10	ppb		96
13) Decane	4.286	43	161180	24.99	ppb		99
14) 1,3-Dichlorobenzene	4.355	146	252959	25.60	ppb		99
15) 1,4-Dichlorobenzene	4.409	146	251705	25.59	ppb		98
16) Benzyl alcohol	4.516	108	117726	24.12	ppb		97
17) 1,2-Dichlorobenzene	4.521	146	231117	25.27	ppb		99
18) Acetophenone	4.698	105	267892	26.42	ppb		97
19) 2-Methylphenol	4.612	108	164255	25.75	ppb		97
20) 2,2'-oxybis(1-Chloropr...	4.601	45	185642	25.87	ppb		98
21) 3&4-Methylphenol	4.730	108	176178	26.45	ppb		97
22) n-Nitroso-di-n-propyla...	4.698	70	124213	26.22	ppb		91
23) Hexachloroethane	4.762	201	109404	25.90	ppb		97
26) Nitrobenzene	4.821	77	203230	25.76	ppb		96
27) Quinoline	5.580	129	346577	25.87	ppb		99
28) Isophorone	4.992	82	333163	25.69	ppb		99
29) 2-Nitrophenol	5.056	139	107264	24.33	ppb	#	55
30) 2,4-Dimethylphenol	5.099	107	169151	25.06	ppb		94
32) bis(2-Chloroethoxy)met...	5.147	93	182757	25.56	ppb		99
33) 2,4-Dichlorophenol	5.249	162	179992	25.70	ppb		99
34) 2,6-Dichlorophenol	5.393	162	175043	25.76	ppb		97
35) 1,3,5-Trichlorobenzene	5.056	180	238060	25.70	ppb		97
36) 1,2,4-Trichlorobenzene	5.281	180	224864	26.46	ppb		99
37) 1,2,3-Trichlorobenzene	5.441	180	211971	25.56	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33390.D
Acq On : 2 Jul 2014 6:09 pm
Operator : ashleyd
Sample : ic1427-25
Misc : op75725,e3p1427
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 08:13:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:11:18 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38)	Naphthalene	5.334	128	526223	25.97	ppb		99
39)	4-Chloroaniline	5.382	127	212840	26.69	ppb		96
40)	2,3-Dichloroaniline	6.040	161	214734	25.95	ppb		97
41)	Caprolactam	5.644	113	50927	25.60	ppb		93
42)	Hexachlorobutadiene	5.425	225	143607	25.86	ppb		99
43)	4-Chloro-3-methylphenol	5.757	107	159679	25.70	ppb		99
44)	2-Methylnaphthalene	5.832	141	316868	25.13	ppb		99
45)	1-Methylnaphthalene	5.901	141	329061	25.72	ppb		99
46)	Dimethylnaphthalene	6.297	156	349917	26.75	ppb		99
48)	Hexachlorocyclopentadiene	5.944	237	141760	40.37	ppb		99
49)	2,4,6-Trichlorophenol	6.051	196	139349	26.12	ppb		98
50)	2,4,5-Trichlorophenol	6.099	196	155218	25.50	ppb		98
52)	2-Chloronaphthalene	6.195	162	379885	26.66	ppb		99
53)	Biphenyl	6.174	154	456784	26.36	ppb		98
54)	2-Nitroaniline	6.286	65	109172	26.24	ppb		96
55)	Dimethylphthalate	6.420	163	418233	26.16	ppb		99
56)	Acenaphthylene	6.532	152	579693	25.77	ppb		99
57)	2,6-Dinitrotoluene	6.479	165	99324	26.29	ppb		99
58)	3-Nitroaniline	6.639	138	100530	25.73	ppb		94
59)	Acenaphthene	6.687	153	348297	26.17	ppb		99
60)	2,4-Dinitrophenol	6.752	184	105847	45.10	ppb		99
61)	4-Nitrophenol	6.869	109	50649	25.00	ppb	#	1
62)	Dibenzofuran	6.848	168	529625	25.37	ppb		99
63)	2,4-Dinitrotoluene	6.859	165	135373	25.52	ppb		93
64)	2,3,4,6-Tetrachlorophenol	6.998	232	119852	25.40	ppb		99
65)	Diethylphthalate	7.083	149	416812	26.43	ppb		98
66)	Fluorene	7.201	166	433000	25.70	ppb		98
67)	4-Chlorophenyl-phenyle...	7.201	204	234301	25.38	ppb		99
68)	4-Nitroaniline	7.254	138	96350	26.01	ppb		97
70)	4,6-Dinitro-2-methylph...	7.297	198	79122	23.75	ppb		92
71)	n-Nitrosodiphenylamine	7.340	169	283210	26.34	ppb		98
72)	1,2-Diphenylhydrazine	7.383	77	389796	26.19	ppb		97
74)	4-Bromophenyl-phenylether	7.784	248	153628	25.49	ppb		99
75)	Hexachlorobenzene	7.880	284	181555	25.83	ppb		94
76)	Pentachlorophenol	8.169	266	172029	45.90	ppb		99
77)	Phenanthrene	8.436	178	622542	26.06	ppb		100
78)	Anthracene	8.517	178	622597	25.88	ppb		100
79)	Carbazole	8.795	167	596247	26.12	ppb		99
80)	Di-n-butylphthalate	9.463	149	731692	25.84	ppb		100
81)	Fluoranthene	10.506	202	786157	25.67	ppb		100
82)	Octadecane	8.319	57	203670	26.39	ppb		99
84)	Pyrene	10.934	202	823126	27.00	ppb		100
86)	Butylbenzylphthalate	12.512	149	333651	26.51	ppb		97
87)	Benzo[a]anthracene	13.528	228	796843	26.65	ppb		99
88)	3,3'-Dichlorobenzidine	13.576	252	305156	27.17	ppb		99
89)	Chrysene	13.598	228	702324	27.26	ppb		99
90)	bis(2-Ethylhexyl)phtha...	13.913	149	439702	27.07	ppb		99
92)	Di-n-octylphthalate	15.347	149	774974	26.15	ppb		99
93)	Benzo[b]fluoranthene	15.828	252	795249	25.74	ppb		99
94)	Benzo[k]fluoranthene	15.882	252	752649	26.75	ppb		97
95)	Benzo[a]pyrene	16.459	252	693261	26.44	ppb		99
96)	Indeno[1,2,3-cd]pyrene	18.535	276	643726	24.69	ppb		98
97)	Dibenz(a,h)acridine	18.171	279	581525	24.74	ppb		99
98)	Dibenz[a,h]anthracene	18.583	278	650133	25.66	ppb		99
99)	7,12-Dimethylbenz(a)an...	15.828	256	354551	24.30	ppb		97
100)	Benzo[g,h,i]perylene	18.962	276	619803	25.44	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33390.D
Acq On : 2 Jul 2014 6:09 pm
Operator : ashleyd
Sample : ic1427-25
Misc : op75725,e3p1427
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 08:13:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:11:18 2014
Response via : Initial Calibration

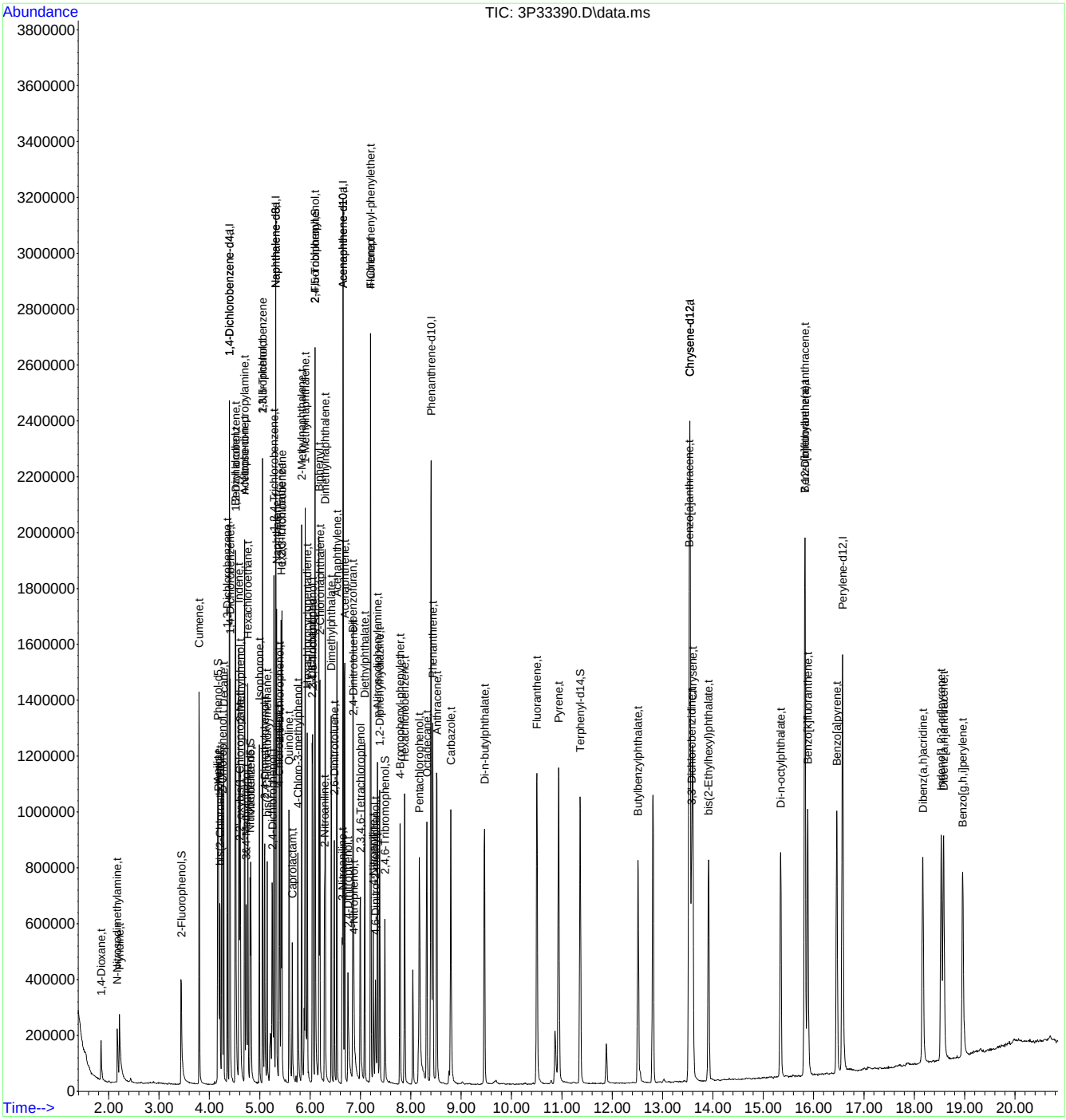
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33390.D
Acq On : 2 Jul 2014 6:09 pm
Operator : ashleyd
Sample : ic1427-25
Misc : op75725,e3p1427
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 08:13:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:11:18 2014
Response via : Initial Calibration

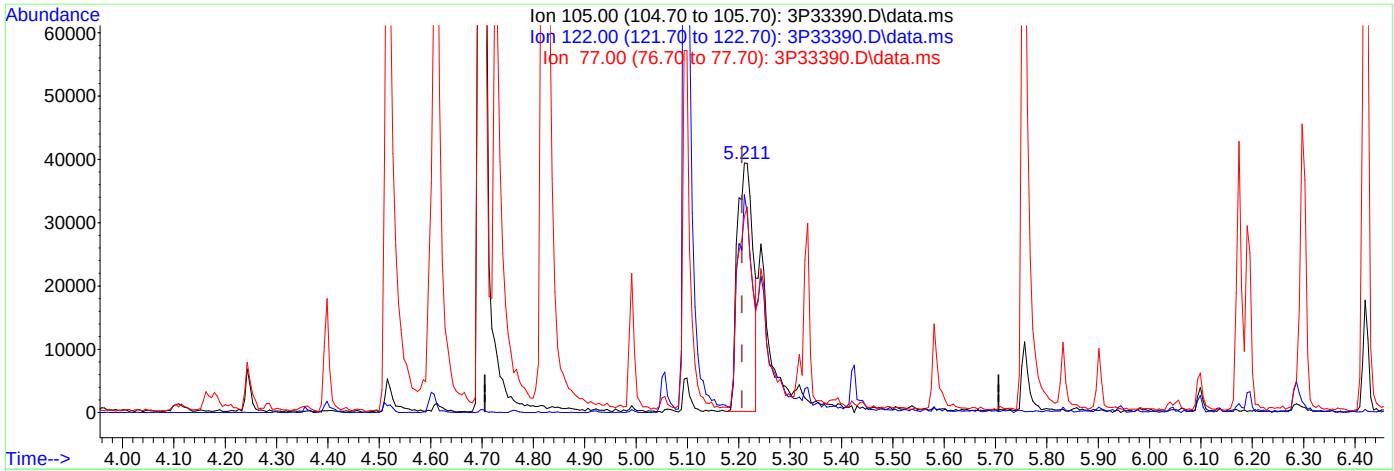


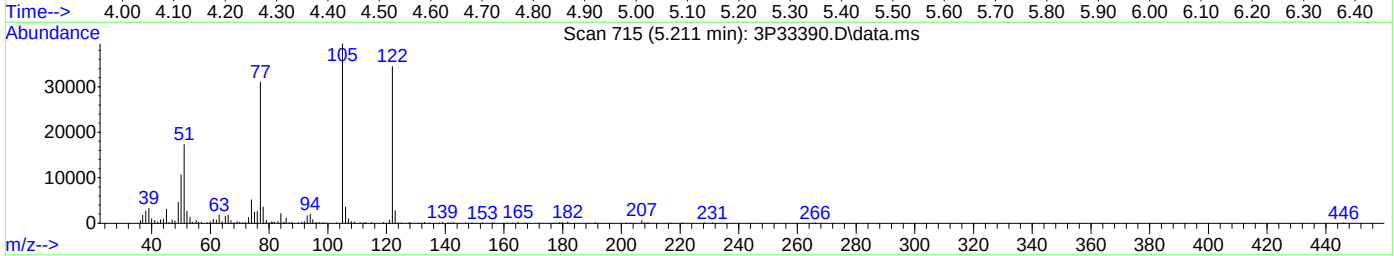
ACCUTEST LABORATORIES JB69926

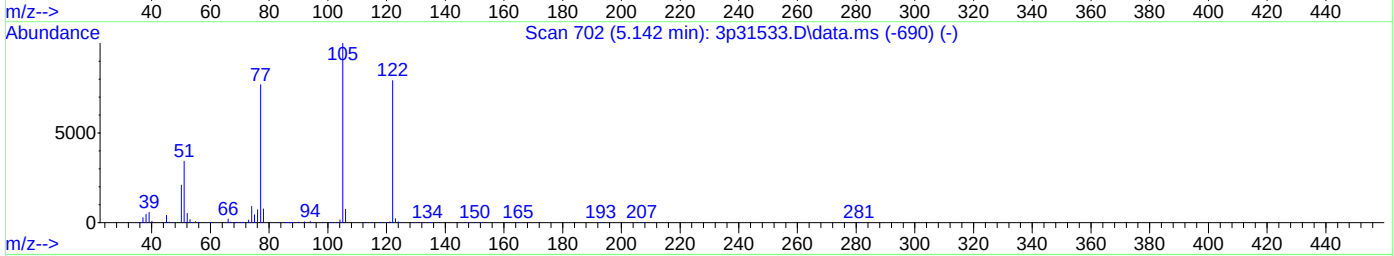
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33390.D
Acq On : 2 Jul 2014 6:09 pm
Operator : ashleyd
Sample : ic1427-25
Misc : op75725,e3p1427
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 08:11:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:11:18 2014
Response via : Initial Calibration







TIC: 3P33390.D\data.ms

(31) Benzoic acid (t)

5.211min (+0.005) 0.00ppb

response 82892

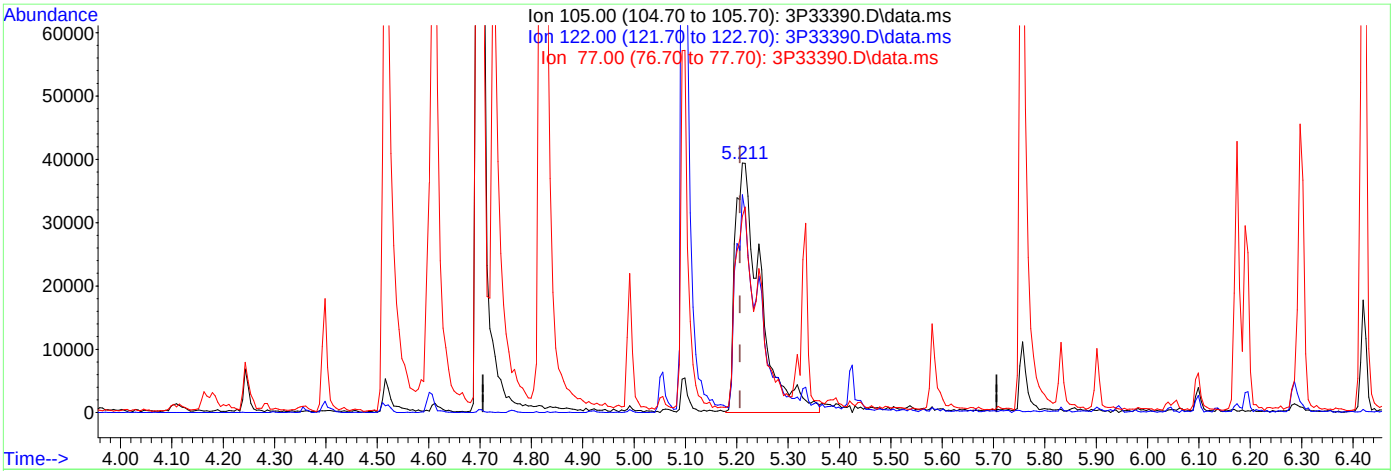
Ion	Exp%	Act%
105.00	100	100
122.00	79.80	89.05
77.00	77.90	78.65
0.00	0.00	0.00

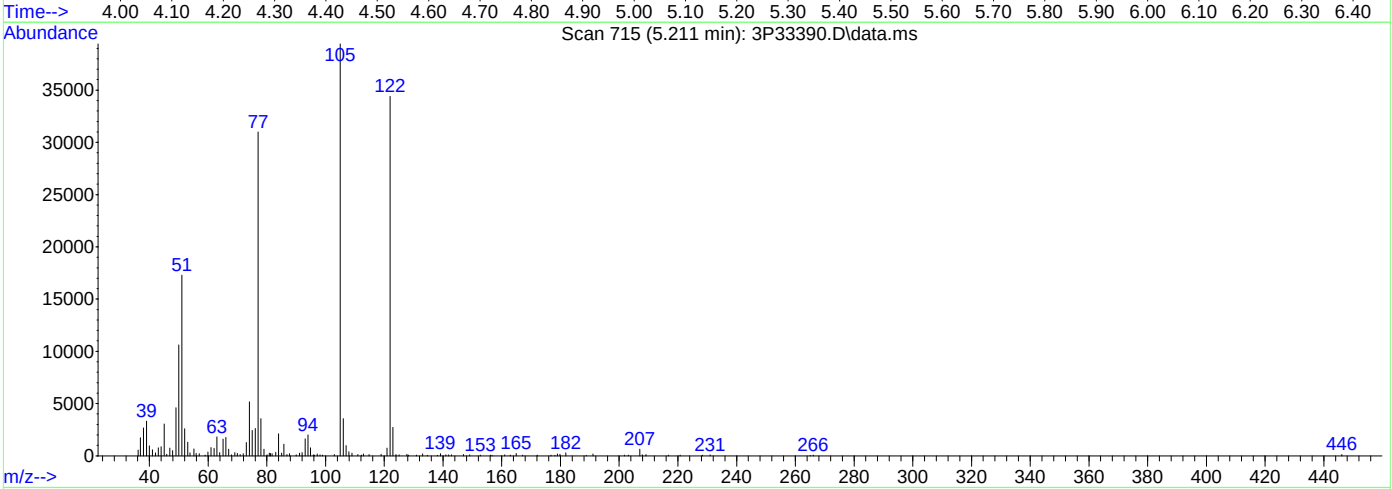
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33390.D
Acq On : 2 Jul 2014 6:09 pm
Operator : ashleyd
Sample : ic1427-25
Misc : op75725,e3p1427
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 08:13:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:11:18 2014
Response via : Initial Calibration





TIC: 3P33390.D\data.ms

(31) Benzoic acid (t)

5.211min (+0.005) 0.00ppb m

response 135038

Ion	Exp%	Act%
105.00	100	100
122.00	79.80	87.26
77.00	77.90	78.62
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33391.D
Acq On : 2 Jul 2014 6:38 pm
Operator : ashleyd
Sample : ic1427-100
Misc : op75725,e3p1427
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 07 13:56:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:14:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	308475	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	980319	40.00	ppb	0.00
47) Acenaphthene-d10	6.661	164	654178	40.00	ppb	0.01
69) Phenanthrene-d10	8.410	188	1216216	40.00	ppb	0.00
83) Chrysene-d12	13.560	240	1432023	40.00	ppb	-0.01
91) Perylene-d12	16.582	264	1225773	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.398	152	308475	40.00	ppb	0.00
103) Acenaphthene-d10a	6.661	164	654178	40.00	ppb	0.01
106) Chrysene-d12a	13.560	240	1432023	40.00	ppb	-0.01
108) Naphthalene-d8a	5.318	136	980319	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.425	112	1007294	123.41	ppb	-0.01
Spiked Amount 50.000			Recovery =	246.82%		
8) Phenol-d5	4.168	99	1210332	118.36	ppb	0.00
Spiked Amount 50.000			Recovery =	236.72%		
25) Nitrobenzene-d5	4.810	82	934937	110.22	ppb	0.00
Spiked Amount 50.000			Recovery =	220.44%		
51) 2-Fluorobiphenyl	6.099	172	2200375	110.96	ppb	0.00
Spiked Amount 50.000			Recovery =	221.92%		
73) 2,4,6-Tribromophenol	7.490	330	427290	119.69	ppb	0.00
Spiked Amount 50.000			Recovery =	239.38%		
85) Terphenyl-d14	11.373	244	3057351	113.26	ppb	0.00
Spiked Amount 50.000			Recovery =	226.52%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.836	88	382047	117.79	ppb	99
3) Pyridine	2.184	79	909814	118.52	ppb	99
4) N-Nitrosodimethylamine	2.152	42	586935	127.27	ppb	100
6) Indene	4.585	116	1545732	111.31	ppb	96
7) Cumene	3.794	105	2611863	120.51	ppb	99
9) Phenol	4.179	94	1323596	112.94	ppb	87
10) Aniline	4.163	93	1087086	103.58	ppb	98
11) bis(2-Chloroethyl)ether	4.211	93	803762	109.90	ppb	100
12) 2-Chlorophenol	4.254	128	1011644	112.54	ppb	99
13) Decane	4.286	43	777644	108.39	ppb	97
14) 1,3-Dichlorobenzene	4.355	146	1200227	107.88	ppb	99
15) 1,4-Dichlorobenzene	4.409	146	1204379	108.77	ppb	99
16) Benzyl alcohol	4.521	108	633249	118.68	ppb	91
17) 1,2-Dichlorobenzene	4.521	146	1159074	113.28	ppb	100
18) Acetophenone	4.703	105	1295674	111.66	ppb	99
19) 2-Methylphenol	4.612	108	748700	103.93	ppb	98
20) 2,2'-oxybis(1-Chloropr...	4.601	45	859876	105.85	ppb	97
21) 3&4-Methylphenol	4.724	108	823732	108.01	ppb	98
22) n-Nitroso-di-n-propyla...	4.708	70	604125	111.87	ppb	95
23) Hexachloroethane	4.762	201	513392	107.30	ppb	93
26) Nitrobenzene	4.826	77	928768	105.45	ppb	99
27) Quinoline	5.586	129	1693009	112.95	ppb	99
28) Isophorone	4.997	82	1542446	106.69	ppb	99
29) 2-Nitrophenol	5.056	139	587970	122.93	ppb	94
30) 2,4-Dimethylphenol	5.099	107	879022	118.27	ppb	98
32) bis(2-Chloroethoxy)met...	5.147	93	880653	110.77	ppb	99
33) 2,4-Dichlorophenol	5.238	162	868068	111.15	ppb	99
34) 2,6-Dichlorophenol	5.393	162	858800	113.20	ppb	99
35) 1,3,5-Trichlorobenzene	5.061	180	1214118	117.55	ppb	99
36) 1,2,4-Trichlorobenzene	5.281	180	1061153	110.33	ppb	97
37) 1,2,3-Trichlorobenzene	5.441	180	1026847	111.35	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33391.D
Acq On : 2 Jul 2014 6:38 pm
Operator : ashleyd
Sample : ic1427-100
Misc : op75725,e3p1427
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 07 13:56:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:14:14 2014
Response via : Initial Calibration

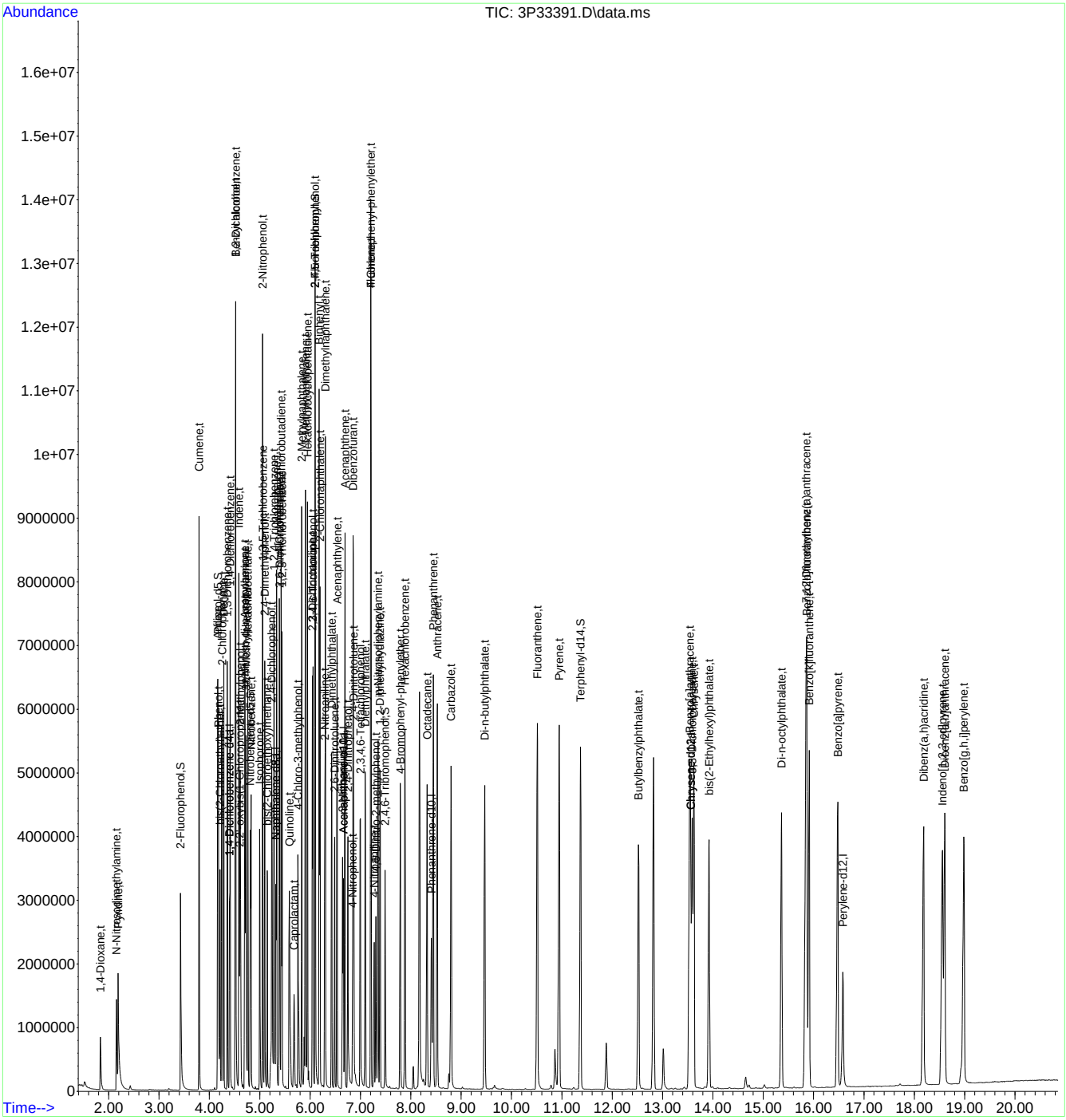
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38) Naphthalene	5.334	128	2515157	110.73	ppb		99
39) 4-Chloroaniline	5.388	127	1007050	111.07	ppb		99
40) 2,3-Dichloroaniline	6.046	161	1079788	116.45	ppb		99
41) Caprolactam	5.682	113	242181	109.40	ppb		94
42) Hexachlorobutadiene	5.425	225	697724	112.32	ppb		97
43) 4-Chloro-3-methylphenol	5.757	107	781964	112.86	ppb		95
44) 2-Methylnaphthalene	5.832	141	1661540	119.51	ppb		98
45) 1-Methylnaphthalene	5.907	141	1643973	115.19	ppb		99
46) Dimethylnaphthalene	6.302	156	1738326	116.76	ppb		99
48) Hexachlorocyclopentadiene	5.949	237	1188769	326.21	ppb		99
49) 2,4,6-Trichlorophenol	6.056	196	710121	113.37	ppb		99
50) 2,4,5-Trichlorophenol	6.099	196	797064	112.91	ppb		98
52) 2-Chloronaphthalene	6.195	162	1838628	108.75	ppb		96
53) Biphenyl	6.179	154	2328030	113.89	ppb		98
54) 2-Nitroaniline	6.292	65	531596	108.57	ppb		92
55) Dimethylphthalate	6.425	163	2059012	109.62	ppb		99
56) Acenaphthylene	6.538	152	2837503	108.18	ppb		99
57) 2,6-Dinitrotoluene	6.490	165	485288	109.05	ppb		90
58) 3-Nitroaniline	6.645	138	498950	109.61	ppb		100
59) Acenaphthene	6.693	153	1790160	114.44	ppb		98
60) 2,4-Dinitrophenol	6.752	184	672167	262.24	ppb		97
61) 4-Nitrophenol	6.843	109	280753	120.68	ppb	#	8
62) Dibenzofuran	6.853	168	2715086	112.42	ppb		95
63) 2,4-Dinitrotoluene	6.864	165	678499	110.23	ppb		84
64) 2,3,4,6-Tetrachlorophenol	6.998	232	659592	120.75	ppb		100
65) Diethylphthalate	7.094	149	2073179	111.30	ppb		100
66) Fluorene	7.206	166	2280187	116.23	ppb		98
67) 4-Chlorophenyl-phenyle...	7.206	204	1247535	116.78	ppb		97
68) 4-Nitroaniline	7.276	138	465925	107.37	ppb		100
70) 4,6-Dinitro-2-methylph...	7.308	198	463488	123.57	ppb		85
71) n-Nitrosodiphenylamine	7.351	169	1383568	108.51	ppb		98
72) 1,2-Diphenylhydrazine	7.388	77	1888824	107.33	ppb		99
74) 4-Bromophenyl-phenylether	7.795	248	812942	115.65	ppb		95
75) Hexachlorobenzene	7.886	284	949568	115.08	ppb		95
77) Phenanthrene	8.447	178	3113453	110.52	ppb		100
78) Anthracene	8.527	178	3072170	108.67	ppb		99
79) Carbazole	8.800	167	2977615	110.48	ppb		100
80) Di-n-butylphthalate	9.469	149	3799157	114.26	ppb		100
81) Fluoranthene	10.512	202	4047098	112.91	ppb		98
82) Octadecane	8.324	57	1025476	111.95	ppb		100
84) Pyrene	10.950	202	4118878	111.33	ppb		99
86) Butylbenzylphthalate	12.523	149	1700358	112.39	ppb		98
87) Benzo[a]anthracene	13.539	228	4043096	112.18	ppb		99
88) 3,3'-Dichlorobenzidine	13.587	252	1542400	112.81	ppb		99
89) Chrysene	13.625	228	3426719	109.06	ppb		99
90) bis(2-Ethylhexyl)phtha...	13.924	149	2243017	113.63	ppb		99
92) Di-n-octylphthalate	15.363	149	4070078	118.04	ppb		99
93) Benzo[b]fluoranthene	15.866	252	4166490	116.84	ppb		99
94) Benzo[k]fluoranthene	15.914	252	3635578	109.76	ppb		99
95) Benzo[a]pyrene	16.481	252	3510819	114.43	ppb		99
96) Indeno[1,2,3-cd]pyrene	18.561	276	3473846	117.88	ppb		99
97) Dibenz(a,h)acridine	18.187	279	3266019	122.80	ppb		100
98) Dibenz[a,h]anthracene	18.604	278	3396245	116.32	ppb		98
99) 7,12-Dimethylbenz(a)an...	15.855	256	1980454	117.42	ppb		98
100) Benzo[g,h,i]perylene	18.984	276	3352006	119.92	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33391.D
Acq On : 2 Jul 2014 6:38 pm
Operator : ashleyd
Sample : ic1427-100
Misc : op75725,e3p1427
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 07 13:56:45 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:14:14 2014
Response via : Initial Calibration

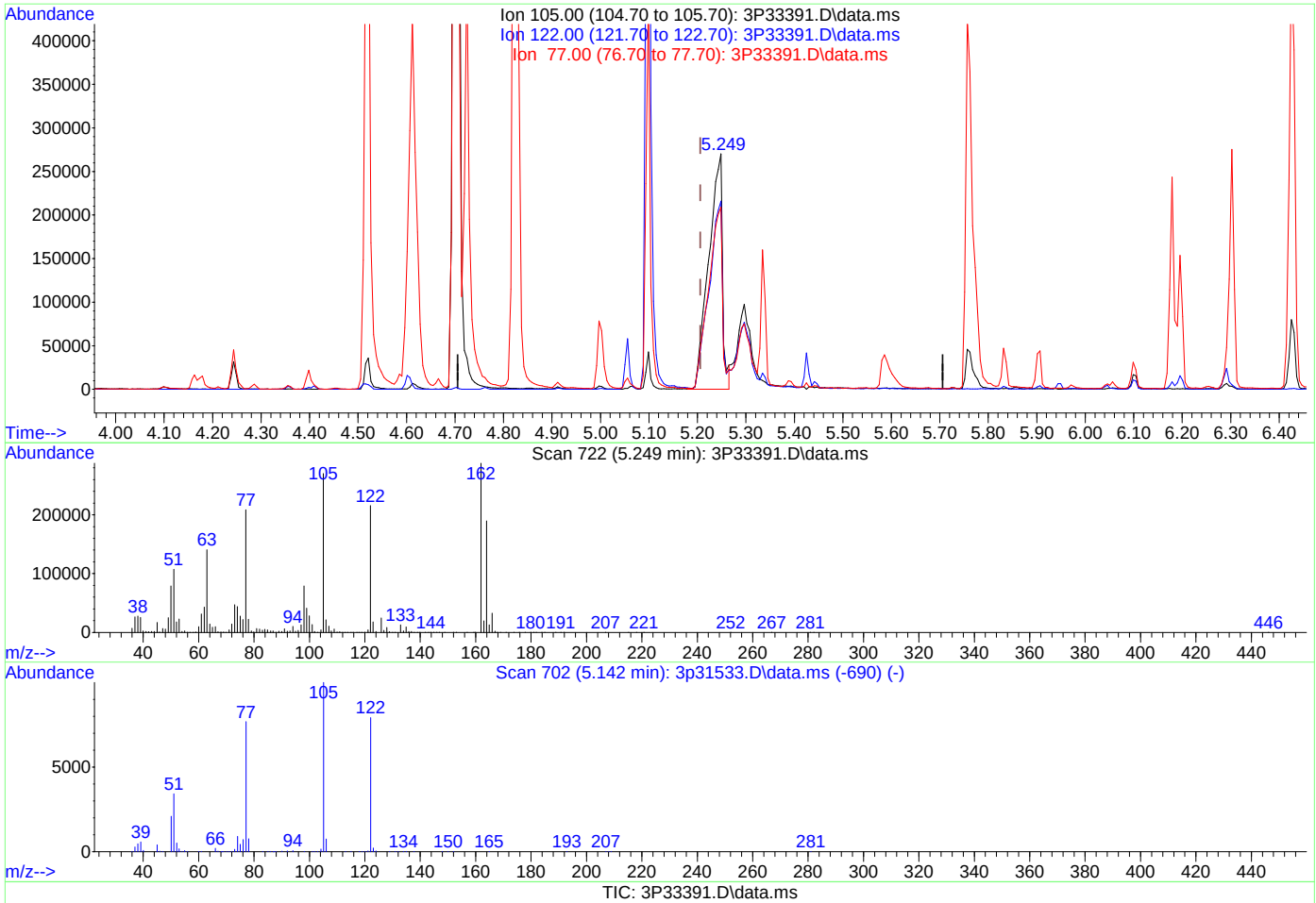


ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33391.D
Acq On : 2 Jul 2014 6:38 pm
Operator : ashleyd
Sample : ic1427-100
Misc : op75725,e3p1427
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 08:14:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:14:14 2014
Response via : Initial Calibration



TIC: 3P33391.D\data.ms

(31) Benzoic acid (t)

5.249min (+0.043) 0.00ppb

response 533077

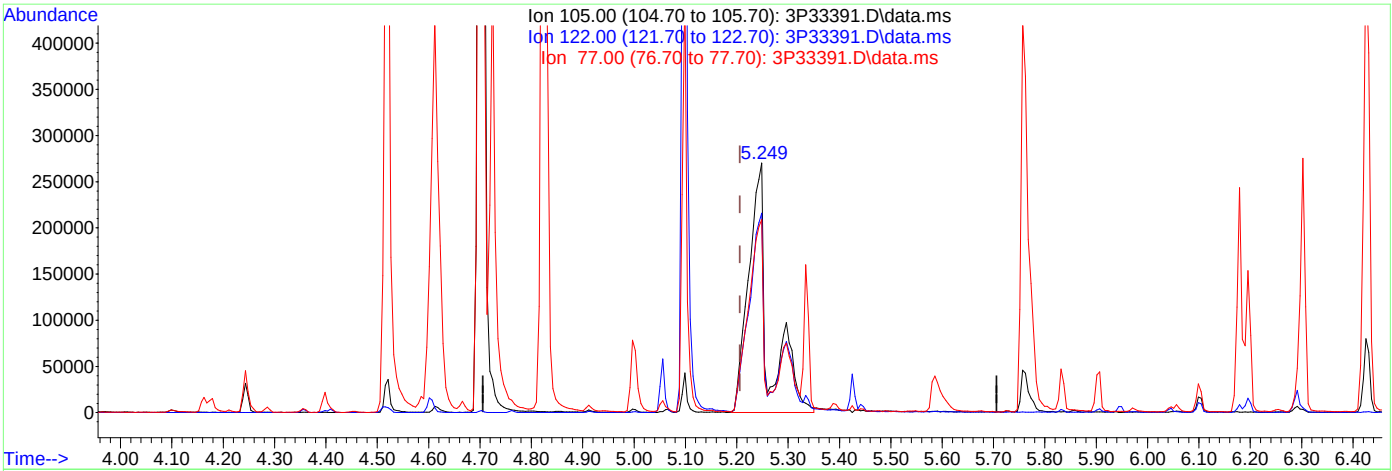
Ion	Exp%	Act%
105.00	100	100
122.00	79.80	79.54
77.00	77.90	76.73
0.00	0.00	0.00

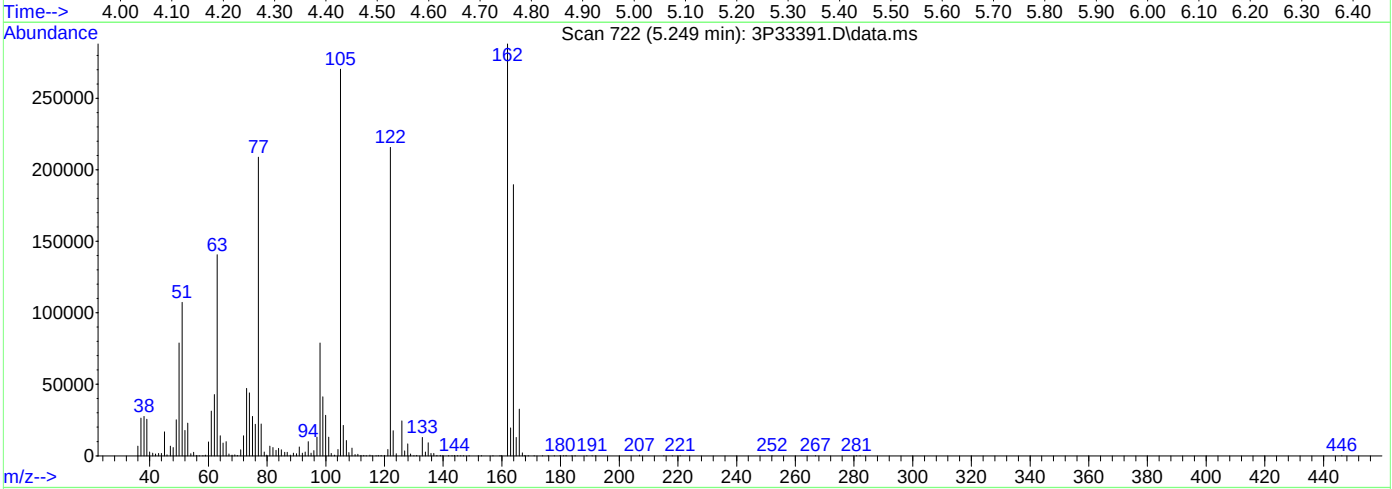
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33391.D
Acq On : 2 Jul 2014 6:38 pm
Operator : ashleyd
Sample : ic1427-100
Misc : op75725,e3p1427
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 08:18:34 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:14:14 2014
Response via : Initial Calibration





TIC: 3P33391.D\data.ms

(31) Benzoic acid (t)

5.249min (+0.043) 0.00ppb m

response 731239

Ion	Exp%	Act%
105.00	100	100
122.00	79.80	79.81
77.00	77.90	77.25
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/07/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33392.D
Acq On : 2 Jul 2014 7:07 pm
Operator : ashleyd
Sample : ic1427-80
Misc : op75725,e3p1427
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 08:21:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:18:51 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	349484	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	1093798	40.00	ppb	0.00
47) Acenaphthene-d10	6.661	164	747361	40.00	ppb	0.01
69) Phenanthrene-d10	8.410	188	1394799	40.00	ppb	0.00
83) Chrysene-d12	13.560	240	1640572	40.00	ppb	-0.01
91) Perylene-d12	16.582	264	1404859	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.398	152	349484	40.00	ppb	0.00
103) Acenaphthene-d10a	6.661	164	747361	40.00	ppb	0.01
106) Chrysene-d12a	13.560	240	1640572	40.00	ppb	-0.01
108) Naphthalene-d8a	5.318	136	1093798	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.425	112	862367	86.51	ppb	-0.01
Spiked Amount 50.000			Recovery =	173.02%		
8) Phenol-d5	4.163	99	1055184	85.83	ppb	0.00
Spiked Amount 50.000			Recovery =	171.66%		
25) Nitrobenzene-d5	4.810	82	812979	83.07	ppb	0.00
Spiked Amount 50.000			Recovery =	166.14%		
51) 2-Fluorobiphenyl	6.099	172	1948259	82.96	ppb	0.00
Spiked Amount 50.000			Recovery =	165.92%		
73) 2,4,6-Tribromophenol	7.490	330	370655	84.96	ppb	0.00
Spiked Amount 50.000			Recovery =	169.92%		
85) Terphenyl-d14	11.373	244	2737542	84.77	ppb	0.00
Spiked Amount 50.000			Recovery =	169.54%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.831	88	319679	82.13	ppb	94
3) Pyridine	2.179	79	844799	91.49	ppb	96
4) N-Nitrosodimethylamine	2.146	42	487092	85.46	ppb	97
6) Indene	4.585	116	1343405	82.29	ppb	97
7) Cumene	3.794	105	2201905	83.93	ppb	99
9) Phenol	4.174	94	1151351	83.13	ppb	94
10) Aniline	4.158	93	936782	77.86	ppb	98
11) bis(2-Chloroethyl)ether	4.211	93	691827	80.83	ppb	97
12) 2-Chlorophenol	4.254	128	875555	82.52	ppb	98
13) Decane	4.286	43	677552	81.09	ppb	99
14) 1,3-Dichlorobenzene	4.355	146	1057121	81.72	ppb	98
15) 1,4-Dichlorobenzene	4.409	146	1041186	80.64	ppb	99
16) Benzyl alcohol	4.516	108	550130	85.67	ppb	98
17) 1,2-Dichlorobenzene	4.521	146	1010880	83.51	ppb	100
18) Acetophenone	4.698	105	1145752	83.89	ppb	95
19) 2-Methylphenol	4.612	108	654568	79.16	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.601	45	764995	81.53	ppb	99
21) 3&4-Methylphenol	4.725	108	726504	81.90	ppb	97
22) n-Nitroso-di-n-propyla...	4.708	70	529011	83.18	ppb	99
23) Hexachloroethane	4.762	201	452623	81.51	ppb	96
26) Nitrobenzene	4.826	77	840410	83.99	ppb	97
27) Quinoline	5.586	129	1489987	85.41	ppb	99
28) Isophorone	4.997	82	1345762	81.61	ppb	98
29) 2-Nitrophenol	5.056	139	507614	88.36	ppb	85
30) 2,4-Dimethylphenol	5.099	107	741005	84.23	ppb	98
31) Benzoic acid	5.243	105	640172m	84.09	ppb	
32) bis(2-Chloroethoxy)met...	5.147	93	779345	84.81	ppb	99
33) 2,4-Dichlorophenol	5.238	162	778858	86.18	ppb	99
34) 2,6-Dichlorophenol	5.393	162	764331	86.49	ppb	98
35) 1,3,5-Trichlorobenzene	5.056	180	1031212	84.54	ppb	97
36) 1,2,4-Trichlorobenzene	5.281	180	923972	83.23	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33392.D
Acq On : 2 Jul 2014 7:07 pm
Operator : ashleyd
Sample : ic1427-80
Misc : op75725,e3p1427
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 08:21:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:18:51 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	1,2,3-Trichlorobenzene	5.441	180	901393	84.41	ppb		97
38)	Naphthalene	5.334	128	2202715	83.91	ppb		99
39)	4-Chloroaniline	5.388	127	882954	84.17	ppb		97
40)	2,3-Dichloroaniline	6.046	161	959701	87.94	ppb		99
41)	Caprolactam	5.682	113	219087	86.00	ppb		90
42)	Hexachlorobutadiene	5.425	225	625837	86.73	ppb		97
43)	4-Chloro-3-methylphenol	5.757	107	692772	85.93	ppb		99
44)	2-Methylnaphthalene	5.832	141	1432319	86.70	ppb		98
45)	1-Methylnaphthalene	5.907	141	1445373	86.39	ppb		99
46)	Dimethylnaphthalene	6.302	156	1508459	86.00	ppb		99
48)	Hexachlorocyclopentadiene	5.949	237	1013563	201.14	ppb		99
49)	2,4,6-Trichlorophenol	6.056	196	629679	84.24	ppb		99
50)	2,4,5-Trichlorophenol	6.099	196	706668	84.01	ppb		98
52)	2-Chloronaphthalene	6.195	162	1650075	83.01	ppb		97
53)	Biphenyl	6.179	154	2079844	85.12	ppb		98
54)	2-Nitroaniline	6.286	65	478024	83.08	ppb		96
55)	Dimethylphthalate	6.425	163	1808590	81.66	ppb		99
56)	Acenaphthylene	6.532	152	2548303	82.78	ppb		99
57)	2,6-Dinitrotoluene	6.484	165	444576	84.88	ppb		98
58)	3-Nitroaniline	6.639	138	452229	84.26	ppb		95
59)	Acenaphthene	6.687	153	1576829	84.18	ppb		96
60)	2,4-Dinitrophenol	6.752	184	604293	186.97	ppb		94
61)	4-Nitrophenol	6.843	109	249234	87.73	ppb	#	27
62)	Dibenzofuran	6.853	168	2410508	83.89	ppb		97
63)	2,4-Dinitrotoluene	6.864	165	609331	83.79	ppb		84
64)	2,3,4,6-Tetrachlorophenol	6.992	232	579880	86.91	ppb		100
65)	Diethylphthalate	7.094	149	1850606	83.81	ppb		100
66)	Fluorene	7.206	166	1989550	84.21	ppb		98
67)	4-Chlorophenyl-phenyle...	7.206	204	1091514	84.70	ppb		95
68)	4-Nitroaniline	7.270	138	414756	81.66	ppb		97
70)	4,6-Dinitro-2-methylph...	7.303	198	408022	87.94	ppb		93
71)	n-Nitrosodiphenylamine	7.351	169	1238721	82.38	ppb		98
72)	1,2-Diphenylhydrazine	7.388	77	1695668	82.01	ppb		98
74)	4-Bromophenyl-phenylether	7.789	248	712591	84.01	ppb		98
75)	Hexachlorobenzene	7.886	284	824396	82.95	ppb		93
76)	Pentachlorophenol	8.174	266	979241	184.35	ppb		99
77)	Phenanthrene	8.447	178	2732907	81.73	ppb		100
78)	Anthracene	8.522	178	2765985	82.92	ppb		99
79)	Carbazole	8.800	167	2669427	83.45	ppb		99
80)	Di-n-butylphthalate	9.469	149	3363189	84.20	ppb		99
81)	Fluoranthene	10.512	202	3639052	84.88	ppb		99
82)	Octadecane	8.324	57	901492	82.53	ppb		100
84)	Pyrene	10.945	202	3687020	83.82	ppb		99
86)	Butylbenzylphthalate	12.523	149	1554708	86.14	ppb		97
87)	Benzo[a]anthracene	13.539	228	3621000	84.27	ppb		99
88)	3,3'-Dichlorobenzidine	13.587	252	1363974	83.51	ppb		98
89)	Chrysene	13.619	228	2975780	80.24	ppb		100
90)	bis(2-Ethylhexyl)phtha...	13.924	149	1962527	83.01	ppb		99
92)	Di-n-octylphthalate	15.358	149	3642902	86.96	ppb		99
93)	Benzo[b]fluoranthene	15.860	252	3818783	88.47	ppb		99
94)	Benzo[k]fluoranthene	15.909	252	3176392	81.04	ppb		100
95)	Benzo[a]pyrene	16.475	252	3158158	85.69	ppb		100
96)	Indeno[1,2,3-cd]pyrene	18.556	276	3178932	88.83	ppb		99
97)	Dibenz(a,h)acridine	18.182	279	2918960	89.00	ppb		99
98)	Dibenz[a,h]anthracene	18.604	278	3073814	87.12	ppb		99
99)	7,12-Dimethylbenz(a)an...	15.850	256	1774065	80.70	ppb		99
100)	Benzo[g,h,i]perylene	18.984	276	2982717	87.31	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33392.D
Acq On : 2 Jul 2014 7:07 pm
Operator : ashleyd
Sample : ic1427-80
Misc : op75725,e3p1427
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 08:21:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:18:51 2014
Response via : Initial Calibration

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

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

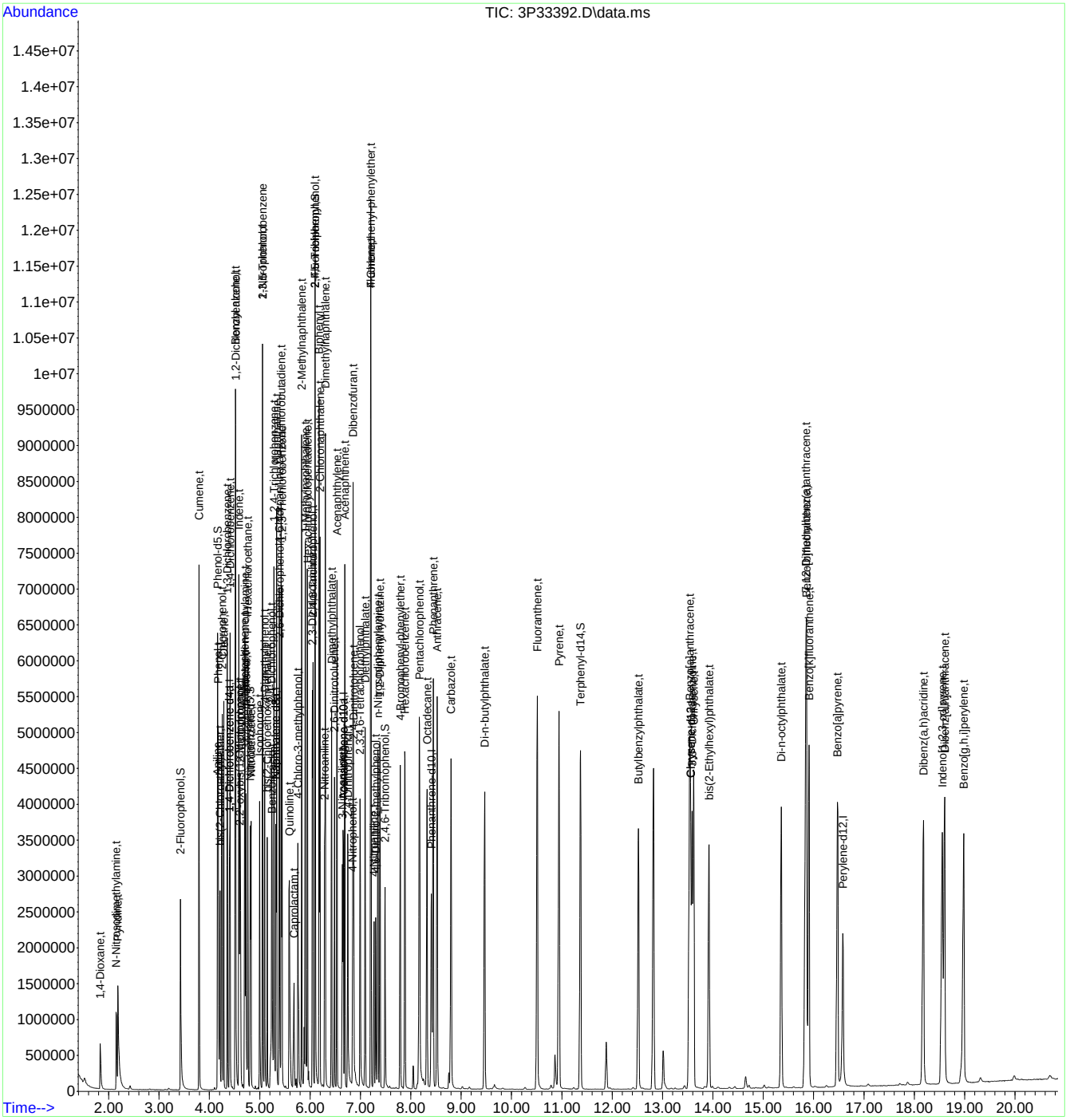
9.6.59

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33392.D
Acq On : 2 Jul 2014 7:07 pm
Operator : ashleyd
Sample : ic1427-80
Misc : op75725,e3p1427
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 08:21:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:18:51 2014
Response via : Initial Calibration



Manual Integration Approval Summary

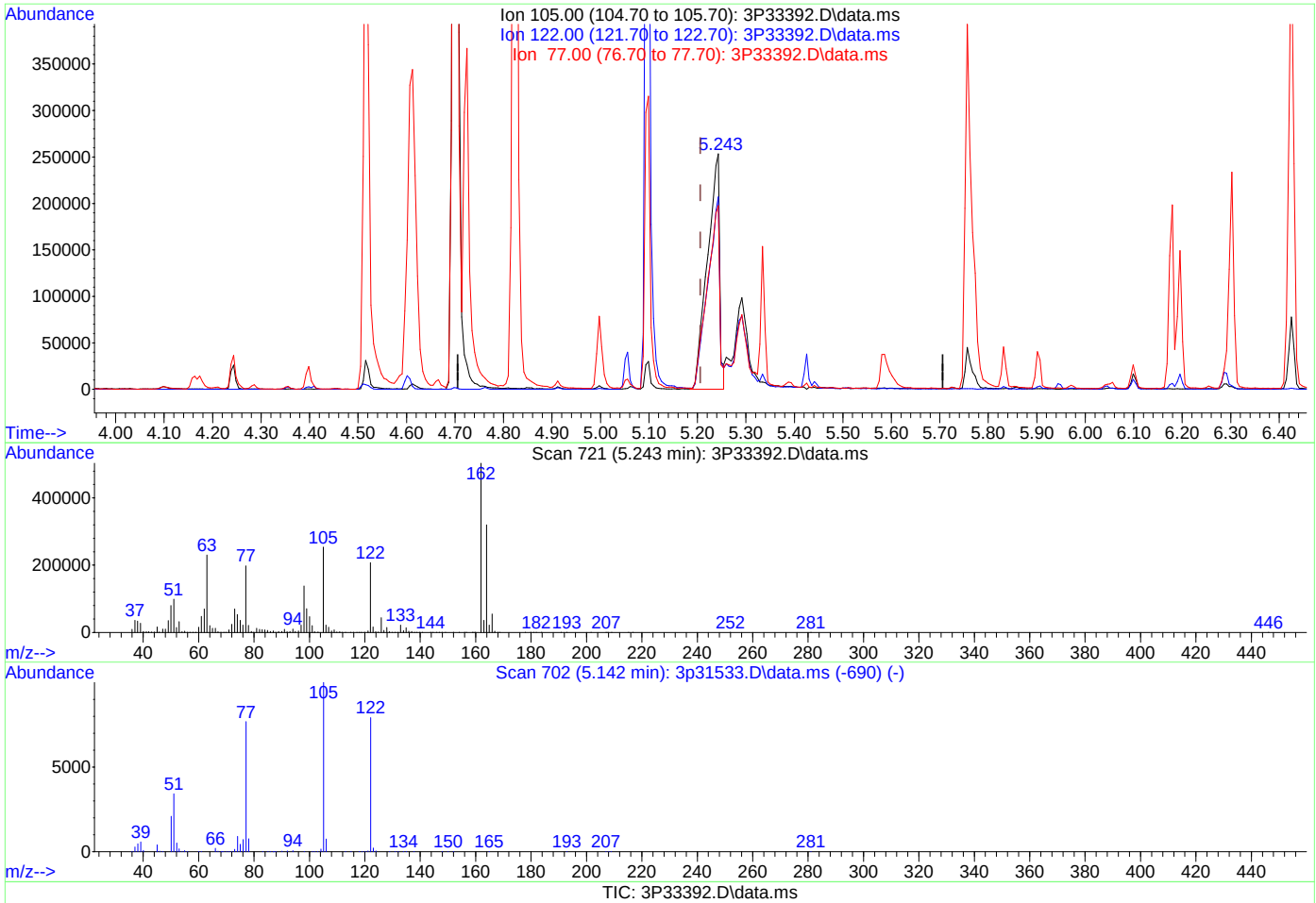
Sample Number:	E3P1427-IC1427	**Method:**	SW846 8270D
Lab FileID:	3P33392.D	**Analyst approved:**	07/03/14 13:04 Samta Patel
Injection Time:	07/02/14 19:07	**Supervisor approved:**	07/07/14 14:53 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.24	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33392.D
Acq On : 2 Jul 2014 7:07 pm
Operator : ashleyd
Sample : ic1427-80
Misc : op75725,e3p1427
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 08:19:04 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:18:51 2014
Response via : Initial Calibration



TIC: 3P33392.D\data.ms

(31) Benzoic acid (t)

5.243min (+0.037) 63.80ppb

response 445586

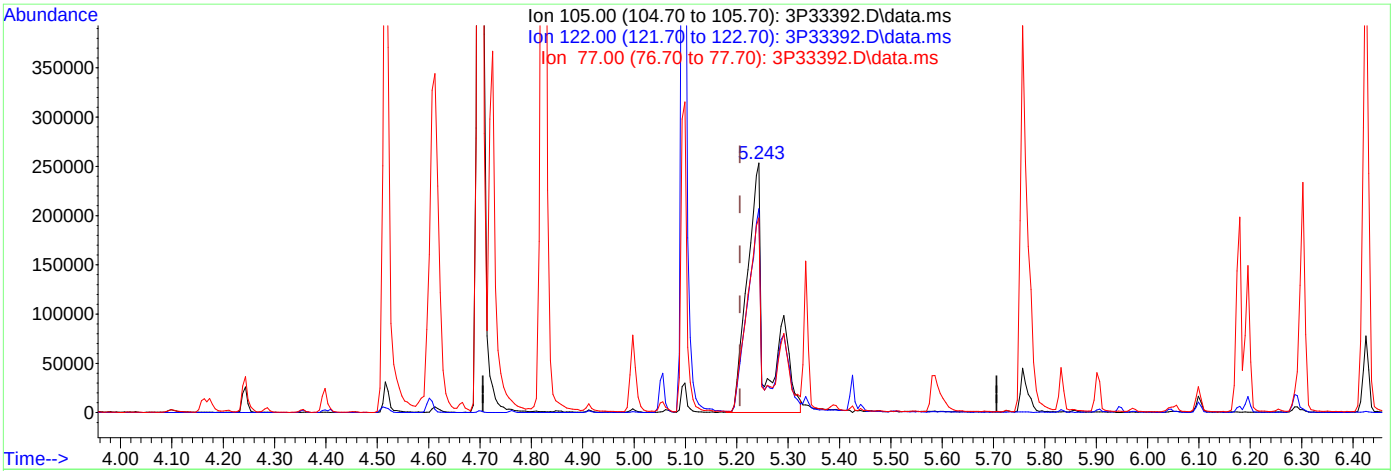
Ion	Exp%	Act%
105.00	100	100
122.00	79.80	81.20
77.00	77.90	77.33
0.00	0.00	0.00

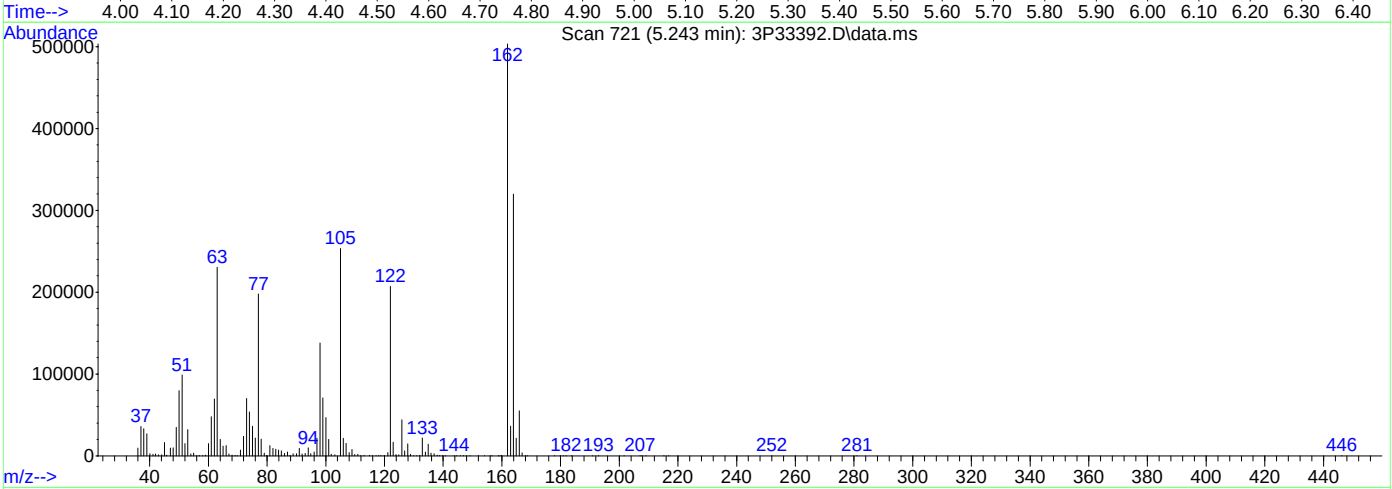
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33392.D
Acq On : 2 Jul 2014 7:07 pm
Operator : ashleyd
Sample : ic1427-80
Misc : op75725,e3p1427
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 08:21:11 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:18:51 2014
Response via : Initial Calibration





TIC: 3P33392.D\data.ms

(31) Benzoic acid (t)

5.243min (+0.037) 84.09ppb m

response 640172

Ion	Exp%	Act%
105.00	100	100
122.00	79.80	81.70
77.00	77.90	77.99
0.00	0.00	0.00

3P33392.D edits: Benzoic acid

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33393.D
Acq On : 2 Jul 2014 7:35 pm
Operator : ashleyd
Sample : ic1427-10
Misc : op75725,e3p1427
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 08:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:21:36 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	551928	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	1805914	40.00	ppb	0.00
47) Acenaphthene-d10	6.655	164	1135819	40.00	ppb	0.00
69) Phenanthrene-d10	8.404	188	2072295	40.00	ppb	0.00
83) Chrysene-d12	13.550	240	2348982	40.00	ppb	-0.02
91) Perylene-d12	16.582	264	2094464	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.398	152	551928	40.00	ppb	0.00
103) Acenaphthene-d10a	6.655	164	1135819	40.00	ppb	0.00
106) Chrysene-d12a	13.550	240	2348982	40.00	ppb	-0.02
108) Naphthalene-d8a	5.318	136	1805914	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.441	112	131156	8.16	ppb	0.00
Spiked Amount 50.000			Recovery =	16.32%		
8) Phenol-d5	4.168	99	172619	8.73	ppb	0.00
Spiked Amount 50.000			Recovery =	17.46%		
25) Nitrobenzene-d5	4.810	82	158198	9.70	ppb	0.00
Spiked Amount 50.000			Recovery =	19.40%		
51) 2-Fluorobiphenyl	6.099	172	351942	9.77	ppb	0.00
Spiked Amount 50.000			Recovery =	19.54%		
73) 2,4,6-Tribromophenol	7.484	330	60038	9.12	ppb	0.00
Spiked Amount 50.000			Recovery =	18.24%		
85) Terphenyl-d14	11.362	244	461143	9.83	ppb	-0.01
Spiked Amount 50.000			Recovery =	19.66%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.852	88	55508	8.97	ppb	97
3) Pyridine	2.216	79	134866	8.93	ppb	97
4) N-Nitrosodimethylamine	2.178	42	87181	9.52	ppb	95
6) Indene	4.585	116	248258	9.56	ppb	99
7) Cumene	3.799	105	387320	9.24	ppb	99
9) Phenol	4.179	94	202928	9.19	ppb	93
10) Aniline	4.163	93	181610	9.62	ppb	94
11) bis(2-Chloroethyl)ether	4.211	93	130666	9.64	ppb	97
12) 2-Chlorophenol	4.259	128	161817	9.58	ppb	99
13) Decane	4.286	43	130399	9.85	ppb	96
14) 1,3-Dichlorobenzene	4.355	146	202138	9.84	ppb	98
15) 1,4-Dichlorobenzene	4.409	146	195054	9.55	ppb	99
16) Benzyl alcohol	4.521	108	90002	8.72	ppb	98
17) 1,2-Dichlorobenzene	4.521	146	182315	9.43	ppb	99
18) Acetophenone	4.698	105	205810	9.43	ppb	92
19) 2-Methylphenol	4.612	108	127074	9.76	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.601	45	143489	9.64	ppb	98
21) 3&4-Methylphenol	4.730	108	136824	9.71	ppb	97
22) n-Nitroso-di-n-propyla...	4.698	70	98344	9.69	ppb	90
23) Hexachloroethane	4.762	201	87644	9.95	ppb	97
26) Nitrobenzene	4.821	77	167536	10.02	ppb	95
27) Quinoline	5.580	129	271135	9.26	ppb	95
28) Isophorone	4.992	82	260161	9.51	ppb	99
29) 2-Nitrophenol	5.056	139	84123	8.64	ppb #	63
30) 2,4-Dimethylphenol	5.099	107	118110	8.03	ppb	92
31) Benzoic acid	5.211	105	95667	9.72	ppb	94
32) bis(2-Chloroethoxy)met...	5.147	93	139815	9.08	ppb	98
33) 2,4-Dichlorophenol	5.248	162	143610	9.44	ppb	100
34) 2,6-Dichlorophenol	5.393	162	133994	9.00	ppb	99
35) 1,3,5-Trichlorobenzene	5.056	180	191589	9.38	ppb	99
36) 1,2,4-Trichlorobenzene	5.281	180	178153	9.62	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33393.D
Acq On : 2 Jul 2014 7:35 pm
Operator : ashleyd
Sample : ic1427-10
Misc : op75725,e3p1427
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 08:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:21:36 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	1,2,3-Trichlorobenzene	5.441	180	169922	9.51	ppb		99
38)	Naphthalene	5.334	128	407557	9.29	ppb		100
39)	4-Chloroaniline	5.382	127	171449	9.77	ppb		96
40)	2,3-Dichloroaniline	6.040	161	170837	9.25	ppb		94
41)	Caprolactam	5.644	113	39570	9.23	ppb		89
42)	Hexachlorobutadiene	5.425	225	116762	9.60	ppb		99
43)	4-Chloro-3-methylphenol	5.757	107	121377	8.95	ppb		90
44)	2-Methylnaphthalene	5.831	141	252421	9.06	ppb		96
45)	1-Methylnaphthalene	5.901	141	261973	9.30	ppb		96
46)	Dimethylnaphthalene	6.297	156	278966	9.46	ppb		98
48)	Hexachlorocyclopentadiene	5.944	237	98660	12.10	ppb		99
49)	2,4,6-Trichlorophenol	6.051	196	108171	9.40	ppb		96
50)	2,4,5-Trichlorophenol	6.099	196	122656	9.48	ppb		97
52)	2-Chloronaphthalene	6.190	162	300328	9.85	ppb		97
53)	Biphenyl	6.174	154	366264	9.71	ppb		99
54)	2-Nitroaniline	6.286	65	87926	9.96	ppb		97
55)	Dimethylphthalate	6.420	163	340840	10.07	ppb		100
56)	Acenaphthylene	6.527	152	456688	9.68	ppb		100
57)	2,6-Dinitrotoluene	6.479	165	76791	9.50	ppb		100
58)	3-Nitroaniline	6.639	138	78668	9.52	ppb		96
59)	Acenaphthene	6.682	153	274618	9.52	ppb		99
60)	2,4-Dinitrophenol	6.757	184	77032	15.05	ppb		99
61)	4-Nitrophenol	6.880	109	38221	8.64	ppb	#	1
62)	Dibenzofuran	6.848	168	423428	9.58	ppb		98
63)	2,4-Dinitrotoluene	6.858	165	105750	9.46	ppb		90
64)	2,3,4,6-Tetrachlorophenol	6.992	232	94712	9.14	ppb		100
65)	Diethylphthalate	7.083	149	325944	9.60	ppb		99
66)	Fluorene	7.201	166	342027	9.40	ppb		98
67)	4-Chlorophenyl-phenyle...	7.201	204	183831	9.25	ppb		97
68)	4-Nitroaniline	7.254	138	74078	9.55	ppb		93
70)	4,6-Dinitro-2-methylph...	7.297	198	59069	8.36	ppb		93
71)	n-Nitrosodiphenylamine	7.340	169	224895	9.99	ppb		99
72)	1,2-Diphenylhydrazine	7.377	77	314455	10.17	ppb		98
74)	4-Bromophenyl-phenylether	7.784	248	123104	9.65	ppb		98
75)	Hexachlorobenzene	7.875	284	143089	9.60	ppb		98
76)	Pentachlorophenol	8.174	266	125866	15.36	ppb		97
77)	Phenanthrene	8.436	178	484286	9.70	ppb		99
78)	Anthracene	8.511	178	497090	9.94	ppb		99
79)	Carbazole	8.795	167	470586	9.80	ppb		99
80)	Di-n-butylphthalate	9.458	149	553562	9.21	ppb		98
81)	Fluoranthene	10.501	202	613667	9.49	ppb		99
82)	Octadecane	8.313	57	159170	9.73	ppb		98
84)	Pyrene	10.934	202	652538	10.24	ppb		99
86)	Butylbenzylphthalate	12.512	149	261314	9.92	ppb		97
87)	Benzo[a]anthracene	13.523	228	639524	10.26	ppb		99
88)	3,3'-Dichlorobenzidine	13.576	252	244320	10.33	ppb		93
89)	Chrysene	13.598	228	551423	10.38	ppb		100
90)	bis(2-Ethylhexyl)phtha...	13.913	149	344347	10.08	ppb		99
92)	Di-n-octylphthalate	15.341	149	609769	9.56	ppb		99
93)	Benzo[b]fluoranthene	15.828	252	632810	9.58	ppb		100
94)	Benzo[k]fluoranthene	15.882	252	606449	10.34	ppb		98
95)	Benzo[a]pyrene	16.459	252	555409	9.93	ppb		97
96)	Indeno[1,2,3-cd]pyrene	18.534	276	519434	9.47	ppb		99
97)	Dibenz(a,h)acridine	18.165	279	489336	9.73	ppb		99
98)	Dibenz[a,h]anthracene	18.583	278	523791	9.74	ppb		98
99)	7,12-Dimethylbenz(a)an...	15.823	256	254567	15.06	ppb		98
100)	Benzo[g,h,i]perylene	18.962	276	499113	9.58	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33393.D
Acq On : 2 Jul 2014 7:35 pm
Operator : ashleyd
Sample : ic1427-10
Misc : op75725,e3p1427
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 08:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:21:36 2014
Response via : Initial Calibration

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

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

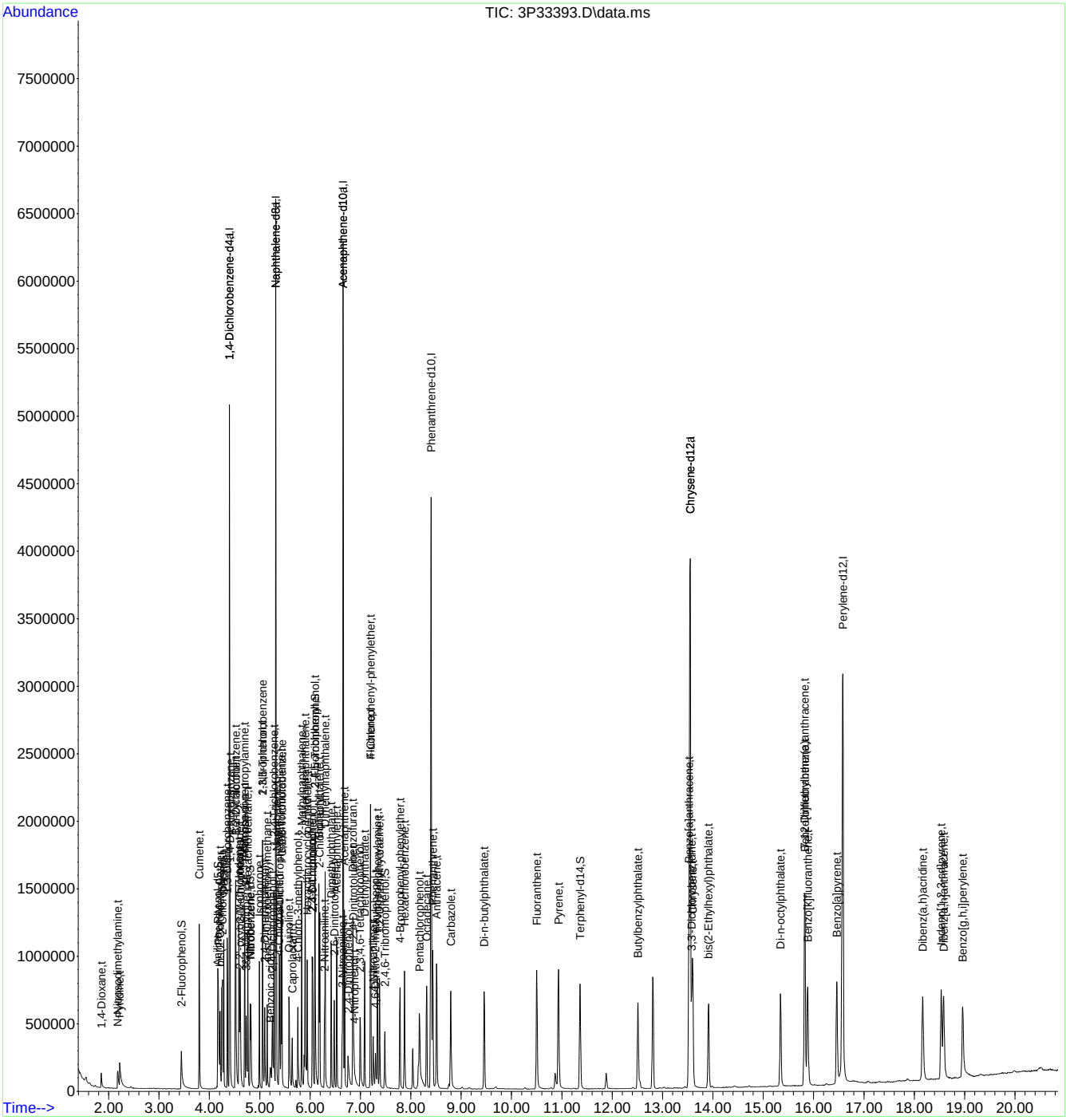
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33393.D
Acq On : 2 Jul 2014 7:35 pm
Operator : ashleyd
Sample : ic1427-10
Misc : op75725,e3p1427
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 08:23:36 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:21:36 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/07/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33394.D
Acq On : 2 Jul 2014 8:02 pm
Operator : ashleyd
Sample : ic1427-5
Misc : op75725,e3p1427
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 07 13:34:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:18:06 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	418379	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	1410333	40.00	ppb	0.00
47) Acenaphthene-d10	6.655	164	880816	40.00	ppb	0.00
69) Phenanthrene-d10	8.399	188	1587521	40.00	ppb	0.00
83) Chrysene-d12	13.544	240	1809191	40.00	ppb	-0.03
91) Perylene-d12	16.577	264	1647997	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	418379	40.00	ppb	0.00
103) Acenaphthene-d10a	6.655	164	880816	40.00	ppb	0.00
106) Chrysene-d12a	13.544	240	1809191	40.00	ppb	-0.03
108) Naphthalene-d8a	5.318	136	1410333	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.451	112	48396	4.25	ppb	0.02
Spiked Amount 50.000			Recovery	=	8.50%	
8) Phenol-d5	4.179	99	64975	4.89	ppb	0.02
Spiked Amount 50.000			Recovery	=	9.78%	
25) Nitrobenzene-d5	4.810	82	61338	4.96	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.92%	
51) 2-Fluorobiphenyl	6.099	172	140657	5.06	ppb	0.00
Spiked Amount 50.000			Recovery	=	10.12%	
73) 2,4,6-Tribromophenol	7.490	330	23042	4.89	ppb	0.00
Spiked Amount 50.000			Recovery	=	9.78%	
85) Terphenyl-d14	11.362	244	186366	5.18	ppb	-0.01
Spiked Amount 50.000			Recovery	=	10.36%	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.852	88	21144	4.66	ppb	98
3) Pyridine	2.243	79	46375	4.41	ppb	98
4) N-Nitrosodimethylamine	2.195	42	34161m	5.22	ppb	
6) Indene	4.585	116	97895	5.09	ppb	99
7) Cumene	3.799	105	143614	4.73	ppb	98
9) Phenol	4.190	94	78500	5.21	ppb	90
10) Aniline	4.168	93	69769	5.01	ppb	93
11) bis(2-Chloroethyl)ether	4.211	93	50045	4.70	ppb	94
12) 2-Chlorophenol	4.264	128	61741	4.96	ppb	96
13) Decane	4.286	43	52077	5.06	ppb	96
14) 1,3-Dichlorobenzene	4.355	146	76265	4.95	ppb	99
15) 1,4-Dichlorobenzene	4.409	146	79121	5.09	ppb	98
16) Benzyl alcohol	4.527	108	34653	4.95	ppb	83
17) 1,2-Dichlorobenzene	4.527	146	71625	4.95	ppb	96
18) Acetophenone	4.703	105	81613	5.05	ppb	98
19) 2-Methylphenol	4.617	108	52151	5.10	ppb	97
20) 2,2'-oxybis(1-Chloropr...	4.601	45	56914	5.07	ppb	93
21) 3&4-Methylphenol	4.735	108	53130	5.15	ppb	98
22) n-Nitroso-di-n-propyla...	4.703	70	37015	4.85	ppb	92
23) Hexachloroethane	4.762	201	34595	5.07	ppb	98
26) Nitrobenzene	4.826	77	69018	5.36	ppb	98
27) Quinoline	5.586	129	111801	5.14	ppb	98
28) Isophorone	4.992	82	101865	4.88	ppb	98
29) 2-Nitrophenol	5.061	139	31568	4.60	ppb	78
30) 2,4-Dimethylphenol	5.104	107	45203	4.39	ppb	97
31) Benzoic acid	5.222	105	32862	3.69	ppb	87
32) bis(2-Chloroethoxy)met...	5.147	93	56185	4.95	ppb	99
33) 2,4-Dichlorophenol	5.259	162	58248	5.12	ppb	98
34) 2,6-Dichlorophenol	5.393	162	50892	4.67	ppb	96
35) 1,3,5-Trichlorobenzene	5.056	180	74382	4.84	ppb	99
36) 1,2,4-Trichlorobenzene	5.281	180	71030	5.00	ppb	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33394.D
Acq On : 2 Jul 2014 8:02 pm
Operator : ashleyd
Sample : ic1427-5
Misc : op75725,e3p1427
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 07 13:34:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:18:06 2014
Response via : Initial Calibration

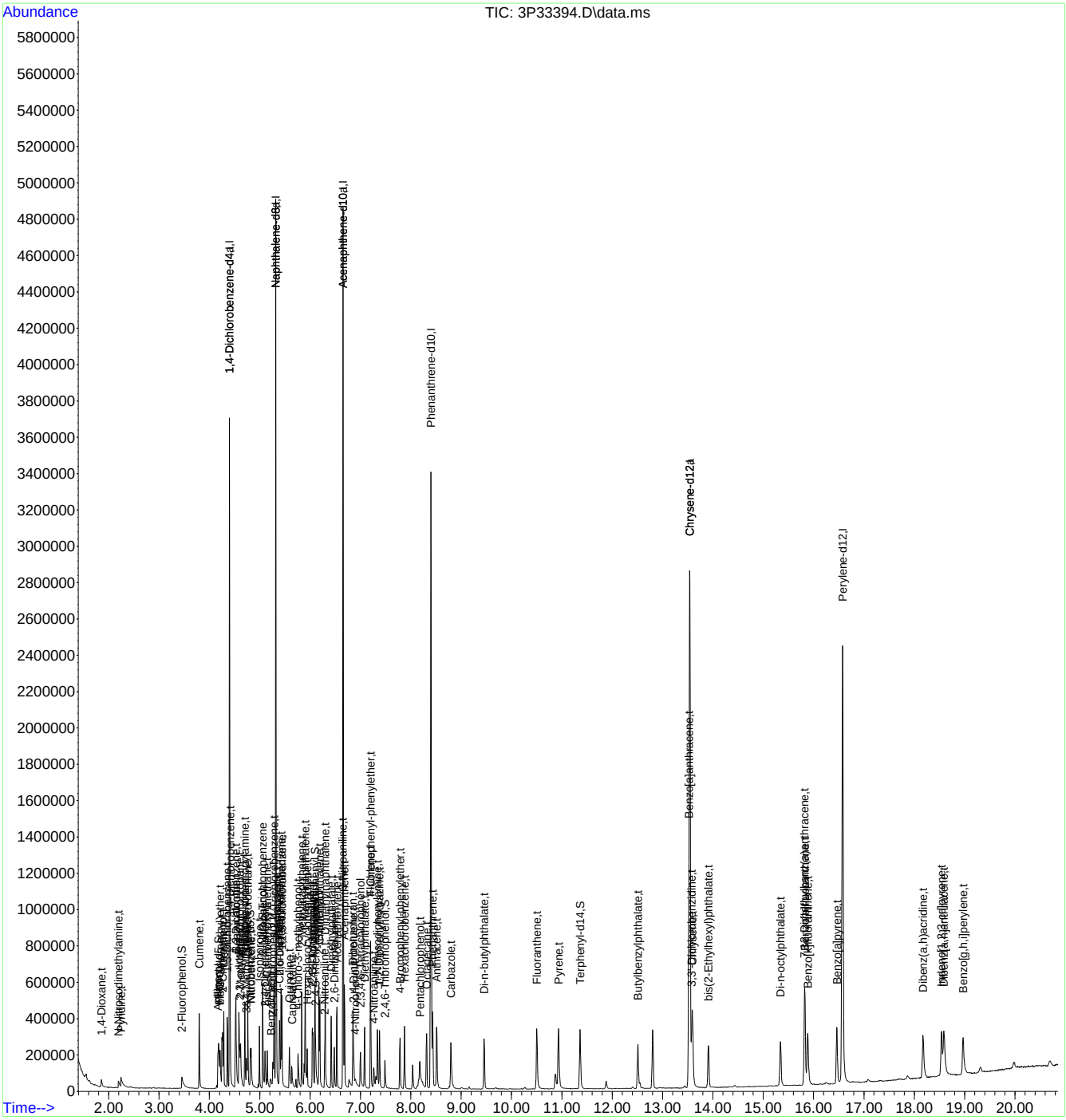
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	1,2,3-Trichlorobenzene	5.441	180	68857	4.95	ppb		100
38)	Naphthalene	5.334	128	164842	4.93	ppb		100
39)	4-Chloroaniline	5.388	127	67202	4.94	ppb		95
40)	2,3-Dichloroaniline	6.046	161	68499	4.89	ppb		95
41)	Caprolactam	5.639	113	14458	4.62	ppb		95
42)	Hexachlorobutadiene	5.425	225	47774	5.05	ppb		96
43)	4-Chloro-3-methylphenol	5.762	107	49230	4.78	ppb	#	74
44)	2-Methylnaphthalene	5.832	141	100874	4.87	ppb		97
45)	1-Methylnaphthalene	5.901	141	107362	4.95	ppb		98
46)	Dimethylnaphthalene	6.297	156	110138	4.91	ppb		99
48)	Hexachlorocyclopentadiene	5.944	237	20037	9.52	ppb		98
49)	2,4,6-Trichlorophenol	6.056	196	44262	5.12	ppb		96
50)	2,4,5-Trichlorophenol	6.110	196	48540	4.94	ppb		95
52)	2-Chloronaphthalene	6.190	162	125063	5.22	ppb		95
53)	Biphenyl	6.174	154	146332	5.01	ppb		99
54)	2-Nitroaniline	6.286	65	35221	5.22	ppb		88
55)	Dimethylphthalate	6.420	163	135471	5.10	ppb		99
56)	Acenaphthylene	6.532	152	186699	5.14	ppb		100
57)	2,6-Dinitrotoluene	6.479	165	30469	5.12	ppb		95
58)	3-Nitroaniline	6.645	138	31143	5.05	ppb		90
59)	Acenaphthene	6.682	153	112810	5.07	ppb		98
61)	4-Nitrophenol	6.896	109	13282m	4.16	ppb		
62)	Dibenzofuran	6.848	168	168980	5.02	ppb		99
63)	2,4-Dinitrotoluene	6.864	165	39934	4.96	ppb		84
64)	2,3,4,6-Tetrachlorophenol	6.998	232	36971	4.90	ppb		99
65)	Diethylphthalate	7.083	149	134251	5.14	ppb		98
66)	Fluorene	7.201	166	136214	4.97	ppb		96
67)	4-Chlorophenyl-phenyle...	7.201	204	73874	4.95	ppb		97
68)	4-Nitroaniline	7.265	138	28230	5.17	ppb		91
71)	n-Nitrosodiphenylamine	7.340	169	89544	5.16	ppb		99
72)	1,2-Diphenylhydrazine	7.377	77	124378	5.19	ppb		97
74)	4-Bromophenyl-phenylether	7.784	248	48767	5.08	ppb		96
75)	Hexachlorobenzene	7.875	284	59161	5.16	ppb		96
76)	Pentachlorophenol	8.180	266	44371	8.20	ppb		94
77)	Phenanthrene	8.431	178	200810	5.20	ppb		99
78)	Anthracene	8.511	178	194897	5.04	ppb		98
79)	Carbazole	8.795	167	188259	5.17	ppb		98
80)	Di-n-butylphthalate	9.458	149	218975	4.95	ppb		99
81)	Fluoranthene	10.501	202	239373	4.99	ppb		99
82)	Octadecane	8.313	57	64058	5.18	ppb		98
84)	Pyrene	10.934	202	252491	5.13	ppb		100
86)	Butylbenzylphthalate	12.512	149	99645	5.09	ppb		96
87)	Benzo[a]anthracene	13.523	228	253040	5.09	ppb		99
88)	3,3'-Dichlorobenzidine	13.576	252	90412	5.11	ppb		95
89)	Chrysene	13.592	228	226142	5.29	ppb		98
90)	bis(2-Ethylhexyl)phtha...	13.913	149	133431	5.15	ppb		100
92)	Di-n-octylphthalate	15.341	149	233042	4.92	ppb		99
93)	Benzo[b]fluoranthene	15.828	252	241506	4.89	ppb		99
94)	Benzo[k]fluoranthene	15.882	252	254709	5.32	ppb		99
95)	Benzo[a]pyrene	16.465	252	225147	5.13	ppb		99
96)	Indeno[1,2,3-cd]pyrene	18.540	276	205403	4.61	ppb		95
97)	Dibenz(a,h)acridine	18.176	279	192107	5.00	ppb		97
98)	Dibenz[a,h]anthracene	18.583	278	206872	4.92	ppb		99
99)	7,12-Dimethylbenz(a)an...	15.818	256	94899	6.45	ppb		99
100)	Benzo[g,h,i]perylene	18.968	276	202953	5.01	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33394.D
Acq On : 2 Jul 2014 8:02 pm
Operator : ashleyd
Sample : ic1427-5
Misc : op75725,e3p1427
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 07 13:34:42 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:18:06 2014
Response via : Initial Calibration



Manual Integration Approval Summary

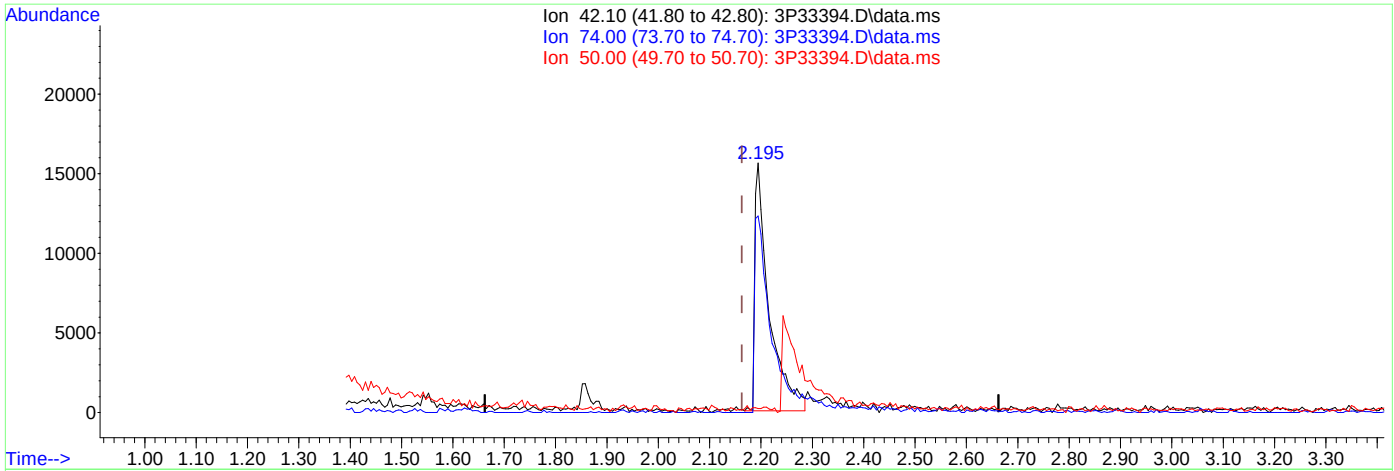
Sample Number: E3P1427-IC1427 **Method:** SW846 8270D
Lab FileID: 3P33394.D **Analyst approved:** 07/03/14 13:04 Samta Patel
Injection Time: 07/02/14 20:02 **Supervisor approved:** 07/07/14 14:53 Nina Pandya

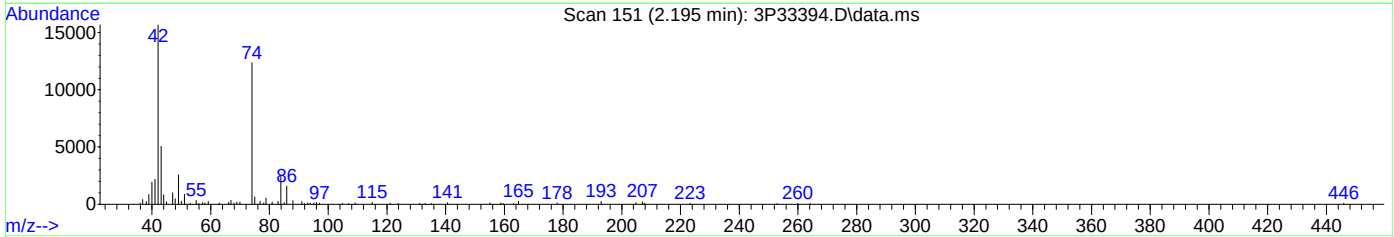
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Nitrosodimethylamine	62-75-9		2.19	Poor instrument integration
2,4-Dinitrophenol	51-28-5		6.77	Split peak
4-Nitrophenol	100-02-7		6.90	Split peak

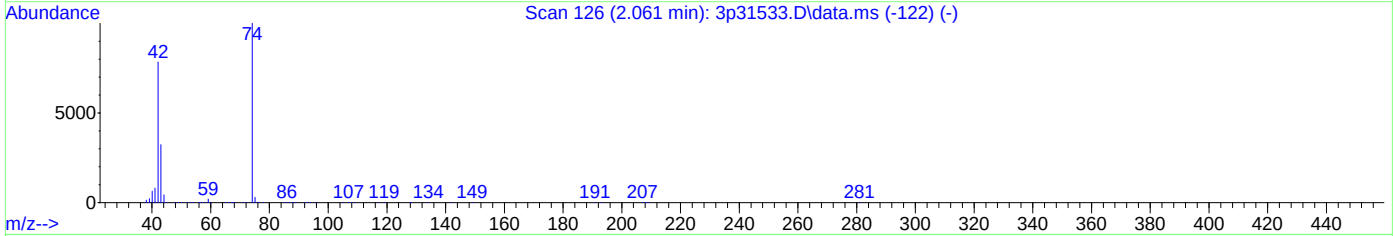
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33394.D
Acq On : 2 Jul 2014 8:02 pm
Operator : ashleyd
Sample : ic1427-5
Misc : op75725,e3p1427
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 08:32:06 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:24:01 2014
Response via : Initial Calibration







TIC: 3P33394.D\data.ms

(4) N-Nitrosodimethylamine (t)

2.195min (+0.032) 4.41ppb

response 30307

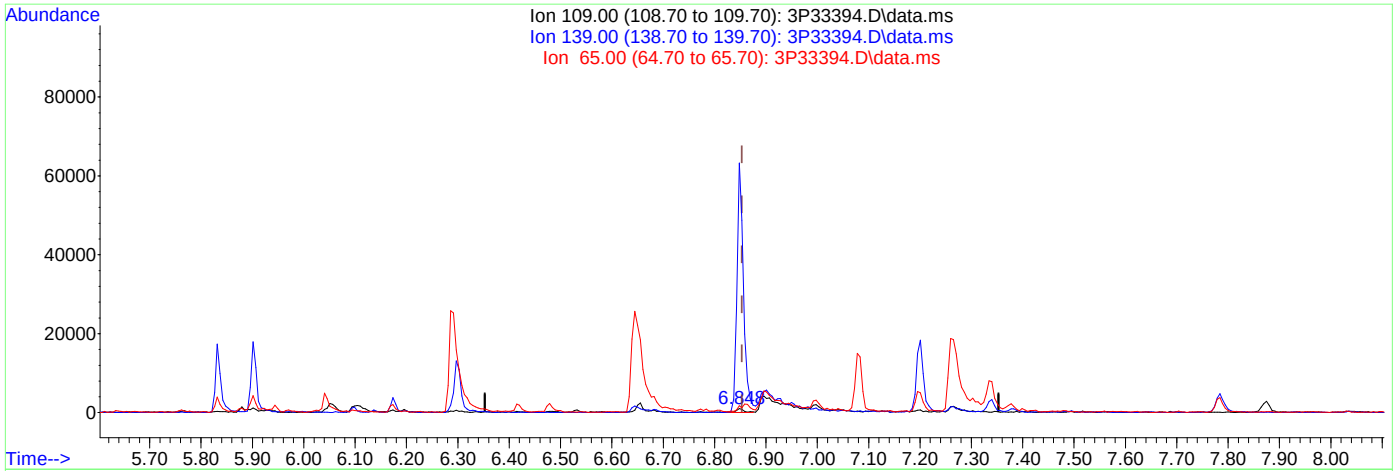
Ion	Exp%	Act%
42.10	100	100
74.00	101.30	78.08
50.00	0.00	0.00
0.00	0.00	0.00

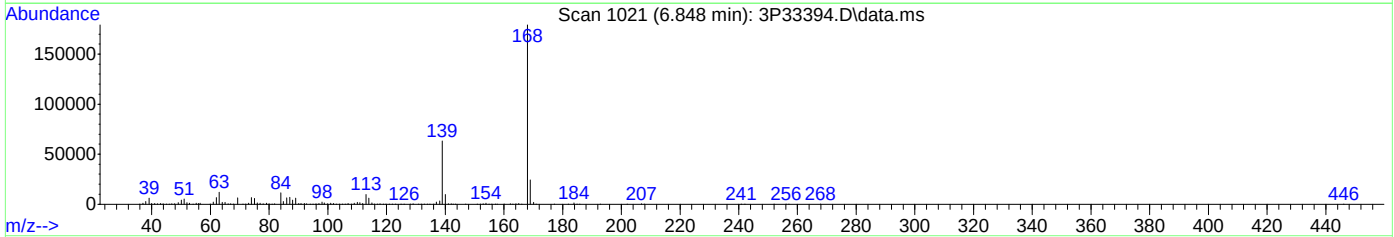
ACCUTEST LABORATORIES JB69926

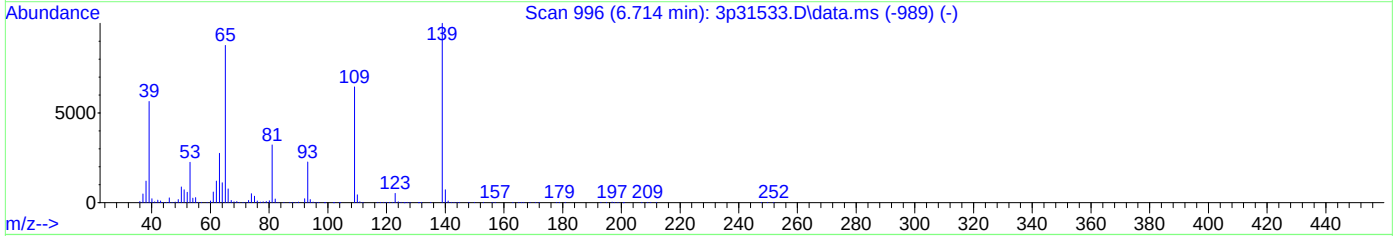
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33394.D
Acq On : 2 Jul 2014 8:02 pm
Operator : ashleyd
Sample : ic1427-5
Misc : op75725,e3p1427
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 09:19:37 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:18:06 2014
Response via : Initial Calibration







TIC: 3P33394.D\data.ms

(61) 4-Nitrophenol (t)

6.848min (-0.005) 0.39ppb

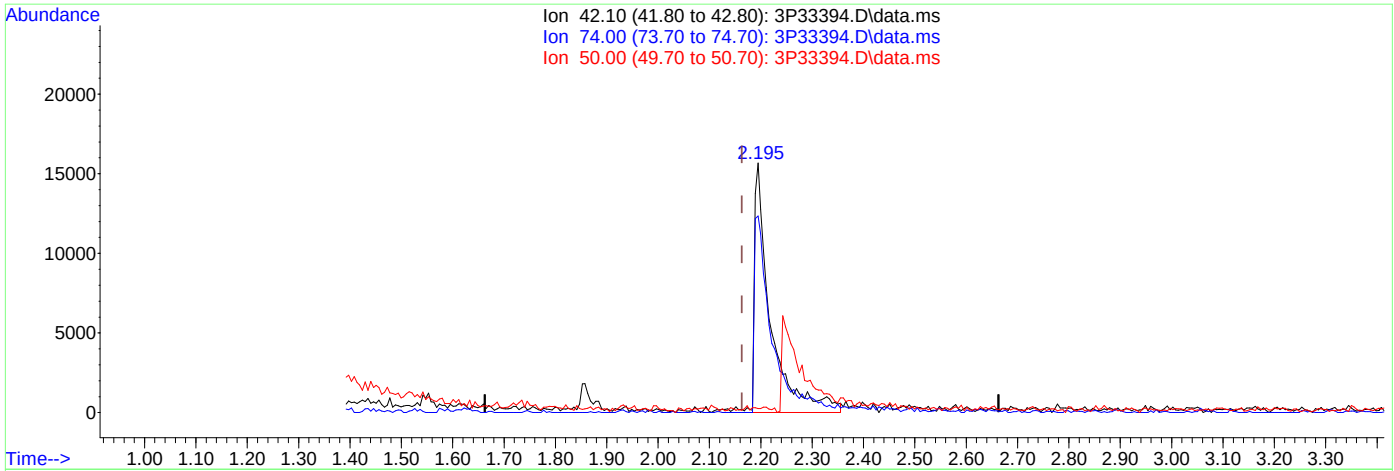
response 1231

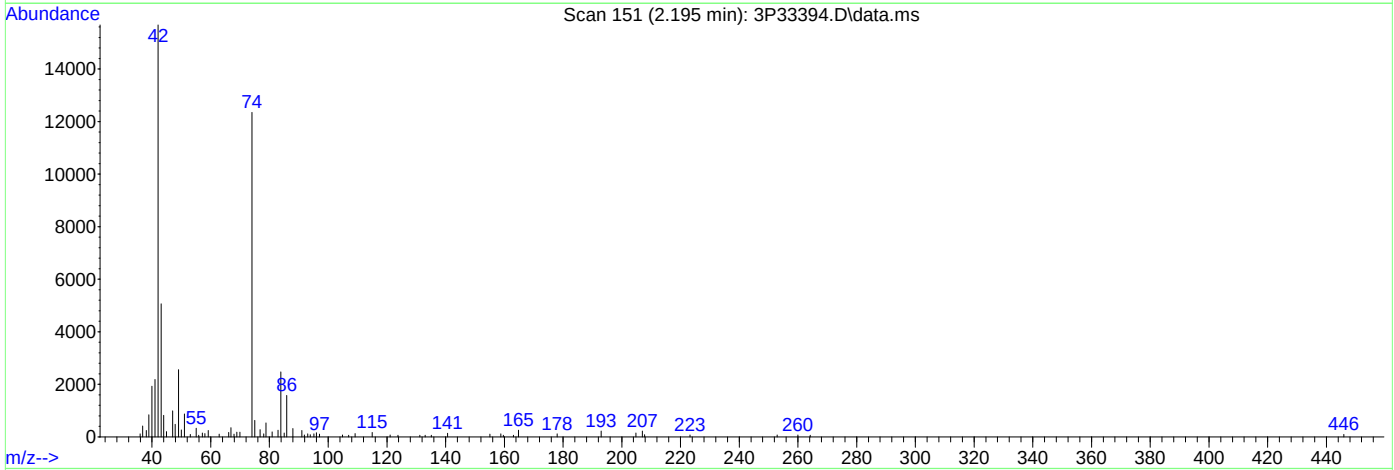
Ion	Exp%	Act%
109.00	100	100
139.00	543.80	6894.25#
65.00	155.70	130.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33394.D
Acq On : 2 Jul 2014 8:02 pm
Operator : ashleyd
Sample : ic1427-5
Misc : op75725,e3p1427
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 09:25:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:18:06 2014
Response via : Initial Calibration





TIC: 3P33394.D\data.ms

(4) N-Nitrosodimethylamine (t)

2.195min (+0.032) 5.22ppb m

response 34161

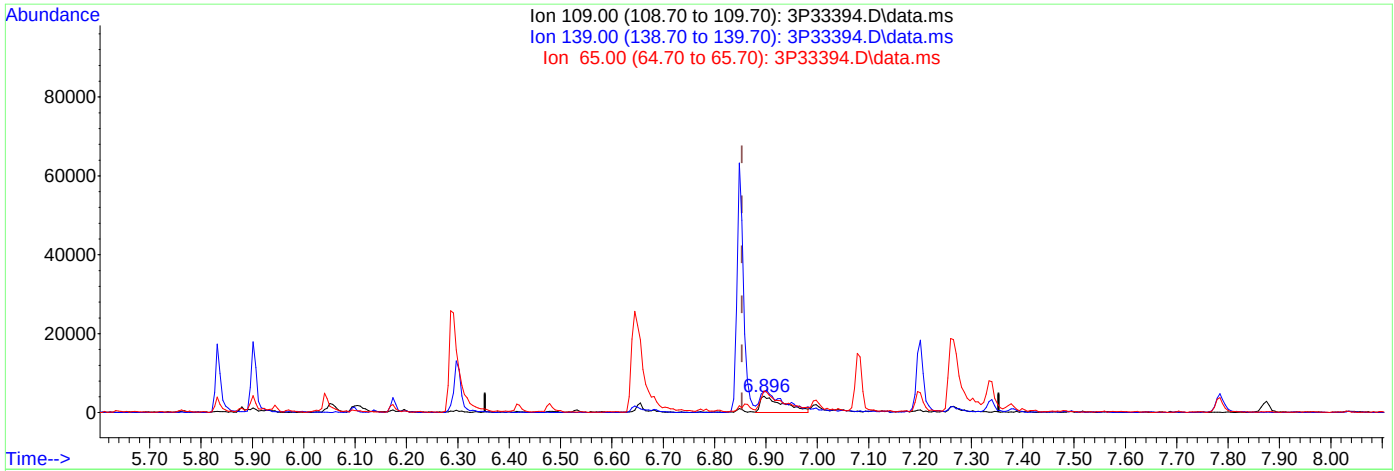
Ion	Exp%	Act%
42.10	100	100
74.00	101.30	78.76
50.00	0.00	1.68
0.00	0.00	0.00

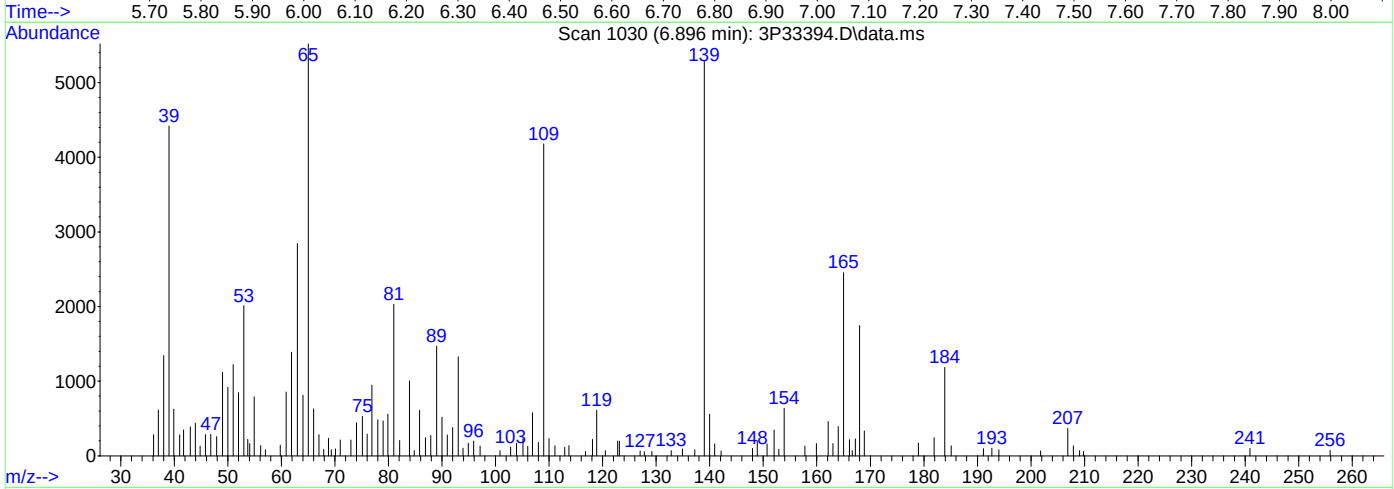
3P33394.D edits: N-Nitrosodimethylamine

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33394.D
Acq On : 2 Jul 2014 8:02 pm
Operator : ashleyd
Sample : ic1427-5
Misc : op75725,e3p1427
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 09:25:46 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:18:06 2014
Response via : Initial Calibration





TIC: 3P33394.D\data.ms

(61) 4-Nitrophenol (t)

6.896min (+0.043) 4.16ppb m

response 13282

Ion	Exp%	Act%
109.00	100	100
139.00	543.80	126.51#
65.00	155.70	132.09
0.00	0.00	0.00

3P33395.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya
07/07/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33395.D
Acq On : 2 Jul 2014 8:29 pm
Operator : ashleyd
Sample : ic1427-2
Misc : op75725,e3p1427
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 07 13:35:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:38:50 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.398	152	347860	40.00	ppb		0.00
24) Naphthalene-d8	5.318	136	1203465	40.00	ppb		0.00
47) Acenaphthene-d10	6.655	164	760225	40.00	ppb		0.00
69) Phenanthrene-d10	8.399	188	1354152	40.00	ppb		0.00
83) Chrysene-d12	13.539	240	1555621	40.00	ppb		-0.03
91) Perylene-d12	16.577	264	1412808	40.00	ppb		-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	347860	40.00	ppb		0.00
103) Acenaphthene-d10a	6.655	164	760225	40.00	ppb		0.00
106) Chrysene-d12a	13.539	240	1555621	40.00	ppb		-0.03
108) Naphthalene-d8a	5.318	136	1203465	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	4.195	99	19043	1.60	ppb		0.03
Spiked Amount 50.000			Recovery	=	3.20%		
25) Nitrobenzene-d5	4.821	82	21515	2.00	ppb		0.02
Spiked Amount 50.000			Recovery	=	4.00%		
51) 2-Fluorobiphenyl	6.099	172	50122	2.08	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.16%		
73) 2,4,6-Tribromophenol	7.495	330	7297	1.75	ppb		0.01
Spiked Amount 50.000			Recovery	=	3.50%		
85) Terphenyl-d14	11.367	244	63326	2.03	ppb		0.00
Spiked Amount 50.000			Recovery	=	4.06%		
Target Compounds							Qvalue
2) 1,4-Dioxane	1.858	88	8212	2.18	ppb		91
3) Pyridine	2.285	79	13916m	1.54	ppb		
4) N-Nitrosodimethylamine	2.221	42	7639m	1.34	ppb		
6) Indene	4.591	116	32291	1.99	ppb		92
7) Cumene	3.799	105	48619	1.89	ppb		98
9) Phenol	4.206	94	23497	1.73	ppb		85
10) Aniline	4.179	93	22946	1.95	ppb		77
11) bis(2-Chloroethyl)ether	4.222	93	17757	2.10	ppb		80
12) 2-Chlorophenol	4.270	128	19986	1.90	ppb		95
13) Decane	4.286	43	18926	2.26	ppb		95
14) 1,3-Dichlorobenzene	4.361	146	25969	2.02	ppb		91
15) 1,4-Dichlorobenzene	4.409	146	27428	2.14	ppb		93
16) Benzyl alcohol	4.548	108	10719	1.72	ppb	#	61
17) 1,2-Dichlorobenzene	4.527	146	25342	2.11	ppb		99
18) Acetophenone	4.714	105	27380	2.01	ppb		91
19) 2-Methylphenol	4.634	108	17898	2.17	ppb		93
20) 2,2'-oxybis(1-Chloropr...	4.601	45	19659	2.10	ppb		93
21) 3&4-Methylphenol	4.762	108	17216	1.95	ppb		89
22) n-Nitroso-di-n-propyla...	4.703	70	13951	2.21	ppb		96
23) Hexachloroethane	4.762	201	12398	2.22	ppb		96
26) Nitrobenzene	4.837	77	20801	1.85	ppb		83
27) Quinoline	5.596	129	35418	1.84	ppb		99
28) Isophorone	4.992	82	35171	1.96	ppb		92
29) 2-Nitrophenol	5.067	139	10750	1.75	ppb		68
30) 2,4-Dimethylphenol	5.115	107	15916	1.74	ppb		94
32) bis(2-Chloroethoxy)met...	5.152	93	17725	1.77	ppb		96
33) 2,4-Dichlorophenol	5.291	162	18760	1.87	ppb		91
34) 2,6-Dichlorophenol	5.404	162	17285	1.81	ppb		92
35) 1,3,5-Trichlorobenzene	5.061	180	25420	1.91	ppb		96
36) 1,2,4-Trichlorobenzene	5.281	180	23166	1.90	ppb		93
37) 1,2,3-Trichlorobenzene	5.447	180	24965	2.12	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33395.D
Acq On : 2 Jul 2014 8:29 pm
Operator : ashleyd
Sample : ic1427-2
Misc : op75725,e3p1427
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 07 13:35:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:38:50 2014
Response via : Initial Calibration

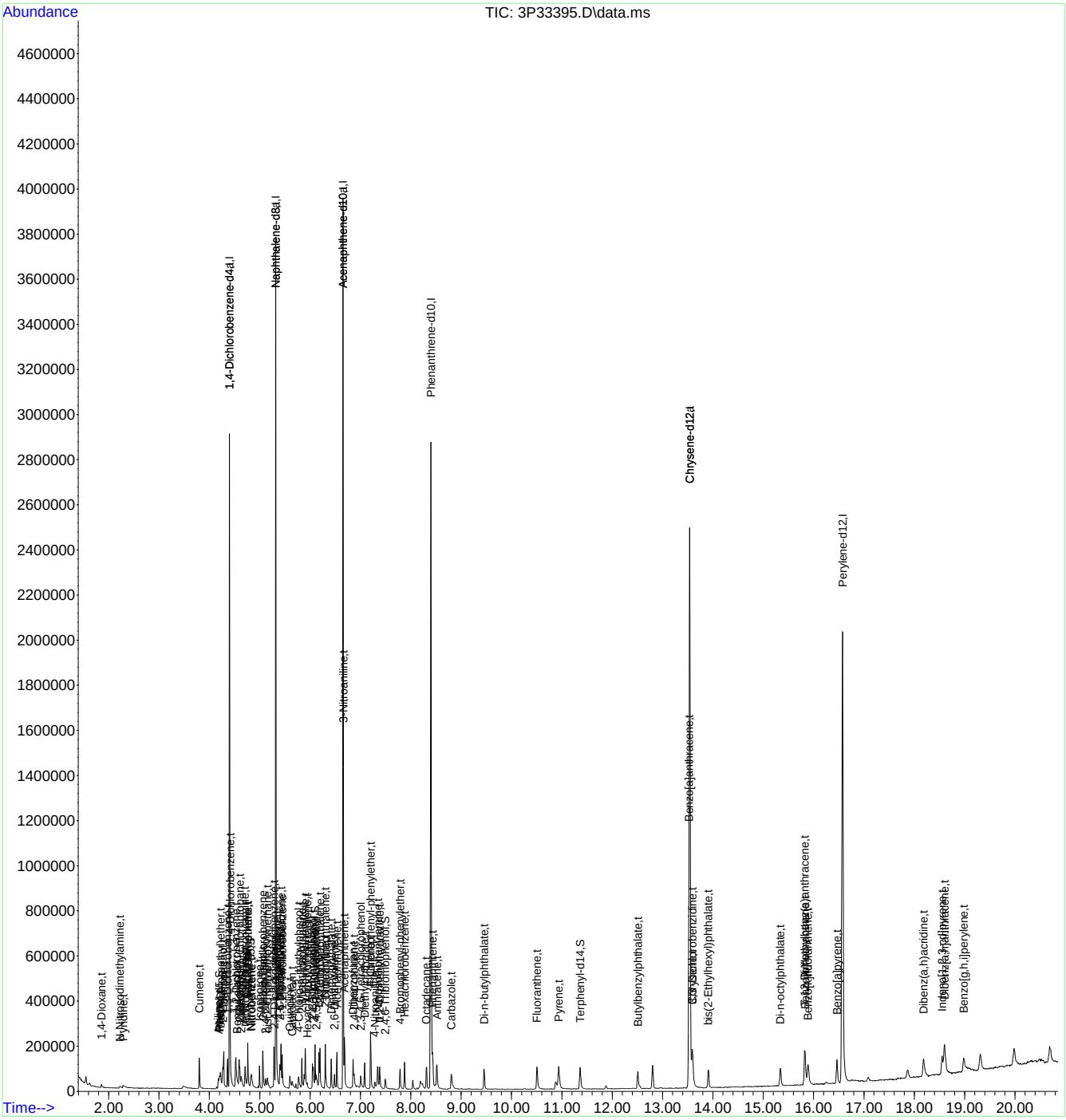
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
38)	Naphthalene	5.334	128	57247	1.99	ppb		99
39)	4-Chloroaniline	5.398	127	23153	1.99	ppb		94
40)	2,3-Dichloroaniline	6.046	161	24601	2.04	ppb		93
41)	Caprolactam	5.639	113	4350	1.58	ppb	#	82
42)	Hexachlorobutadiene	5.425	225	16517	2.05	ppb		97
43)	4-Chloro-3-methylphenol	5.773	107	16497	1.88	ppb	#	56
44)	2-Methylnaphthalene	5.837	141	34934	1.94	ppb		96
45)	1-Methylnaphthalene	5.901	141	37798	2.05	ppb		96
46)	Dimethylnaphthalene	6.302	156	38077	1.97	ppb		97
48)	Hexachlorocyclopentadiene	5.944	237	1794	0.40	ppb		87
49)	2,4,6-Trichlorophenol	6.062	196	15885	2.09	ppb		84
50)	2,4,5-Trichlorophenol	6.120	196	15451	1.81	ppb		96
52)	2-Chloronaphthalene	6.195	162	43498	2.12	ppb		95
53)	Biphenyl	6.174	154	52856	2.10	ppb		96
54)	2-Nitroaniline	6.297	65	12638	2.13	ppb		83
55)	Dimethylphthalate	6.420	163	48915	2.15	ppb		98
56)	Acenaphthylene	6.532	152	65210	2.07	ppb		99
57)	2,6-Dinitrotoluene	6.484	165	10153	1.90	ppb		98
58)	3-Nitroaniline	6.661	138	10469	1.92	ppb	#	37
59)	Acenaphthene	6.682	153	39734	2.07	ppb		99
62)	Dibenzofuran	6.853	168	59403	2.03	ppb		96
63)	2,4-Dinitrotoluene	6.875	165	13246	1.81	ppb		83
64)	2,3,4,6-Tetrachlorophenol	7.003	232	11626	1.72	ppb		97
65)	Diethylphthalate	7.083	149	45702	2.02	ppb		98
66)	Fluorene	7.201	166	46945	1.96	ppb		99
67)	4-Chlorophenyl-phenyle...	7.201	204	24942	1.91	ppb		93
68)	4-Nitroaniline	7.286	138	7449	1.46	ppb		91
71)	n-Nitrosodiphenylamine	7.345	169	30327	2.05	ppb		95
72)	1,2-Diphenylhydrazine	7.383	77	41329	2.02	ppb		98
74)	4-Bromophenyl-phenylether	7.784	248	16087	1.94	ppb		93
75)	Hexachlorobenzene	7.875	284	20208	2.08	ppb		96
77)	Phenanthrene	8.431	178	68407	2.09	ppb		95
78)	Anthracene	8.517	178	68098	2.08	ppb		98
79)	Carbazole	8.805	167	62393	1.99	ppb		99
80)	Di-n-butylphthalate	9.458	149	74012	1.93	ppb		96
81)	Fluoranthene	10.506	202	80264	1.93	ppb		99
82)	Octadecane	8.308	57	21359	2.00	ppb		98
84)	Pyrene	10.934	202	85523	2.01	ppb		98
86)	Butylbenzylphthalate	12.512	149	32134	1.85	ppb		97
87)	Benzo[a]anthracene	13.523	228	89975	2.15	ppb		97
88)	3,3'-Dichlorobenzidine	13.592	252	29374	1.87	ppb		94
89)	Chrysene	13.592	228	80829	2.24	ppb		96
90)	bis(2-Ethylhexyl)phtha...	13.908	149	43333	1.91	ppb		98
92)	Di-n-octylphthalate	15.336	149	75346	1.78	ppb		98
93)	Benzo[b]fluoranthene	15.834	252	76594	1.75	ppb		95
94)	Benzo[k]fluoranthene	15.887	252	89166	2.20	ppb		99
95)	Benzo[a]pyrene	16.465	252	75980	2.01	ppb		99
96)	Indeno[1,2,3-cd]pyrene	18.551	276	88843	2.44	ppb		93
97)	Dibenz(a,h)acridine	18.182	279	64619	1.92	ppb		95
98)	Dibenz[a,h]anthracene	18.599	278	75304	2.09	ppb		99
99)	7,12-Dimethylbenz(a)an...	15.823	256	30468	5.12	ppb		97
100)	Benzo[g,h,i]perylene	18.984	276	68371	1.96	ppb		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33395.D
Acq On : 2 Jul 2014 8:29 pm
Operator : ashleyd
Sample : ic1427-2
Misc : op75725,e3p1427
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 07 13:35:50 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:38:50 2014
Response via : Initial Calibration



Manual Integration Approval Summary

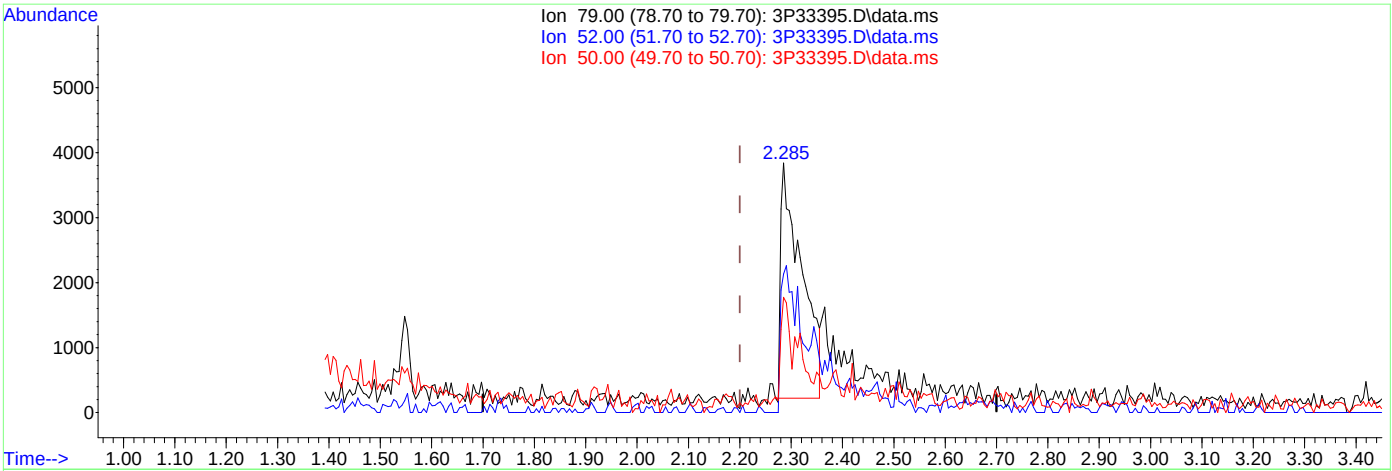
Sample Number: E3P1427-IC1427
Lab FileID: 3P33395.D
Injection Time: 07/02/14 20:29
Method: SW846 8270D
Analyst approved: 07/03/14 13:04 Samta Patel
Supervisor approved: 07/07/14 14:53 Nina Pandya

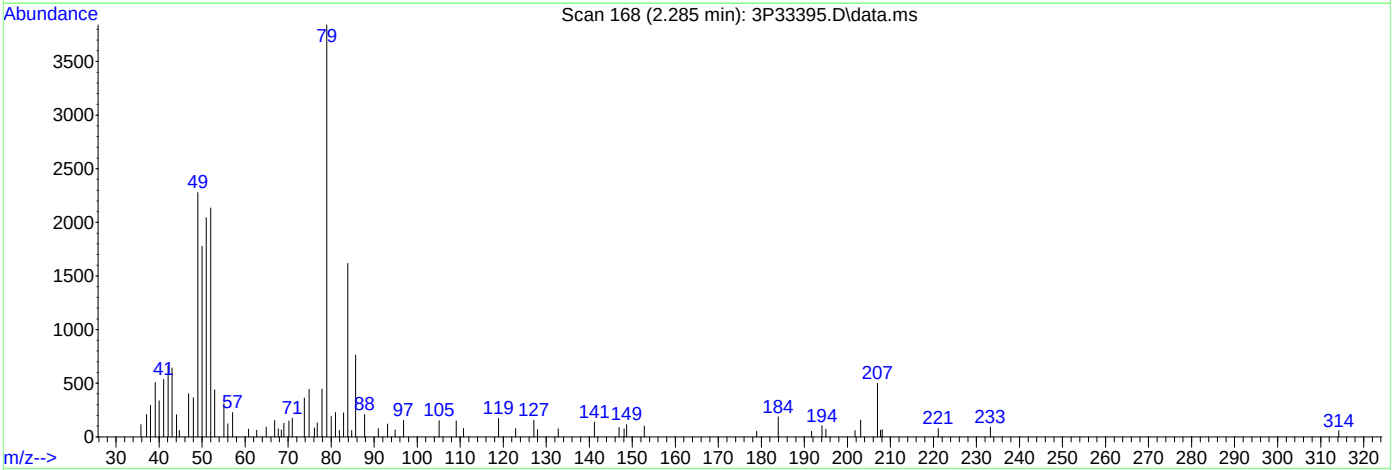
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Nitrosodimethylamine	62-75-9		2.22	Poor instrument integration
Pyridine	110-86-1		2.29	Poor instrument integration
2,4-Dinitrophenol	51-28-5		6.84	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33395.D
Acq On : 2 Jul 2014 8:29 pm
Operator : ashleyd
Sample : ic1427-2
Misc : op75725,e3p1427
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 08:45:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:38:50 2014
Response via : Initial Calibration





TIC: 3P33395.D\data.ms

(3) Pyridine (t)

2.285min (+0.085) 1.13ppb

response 10197

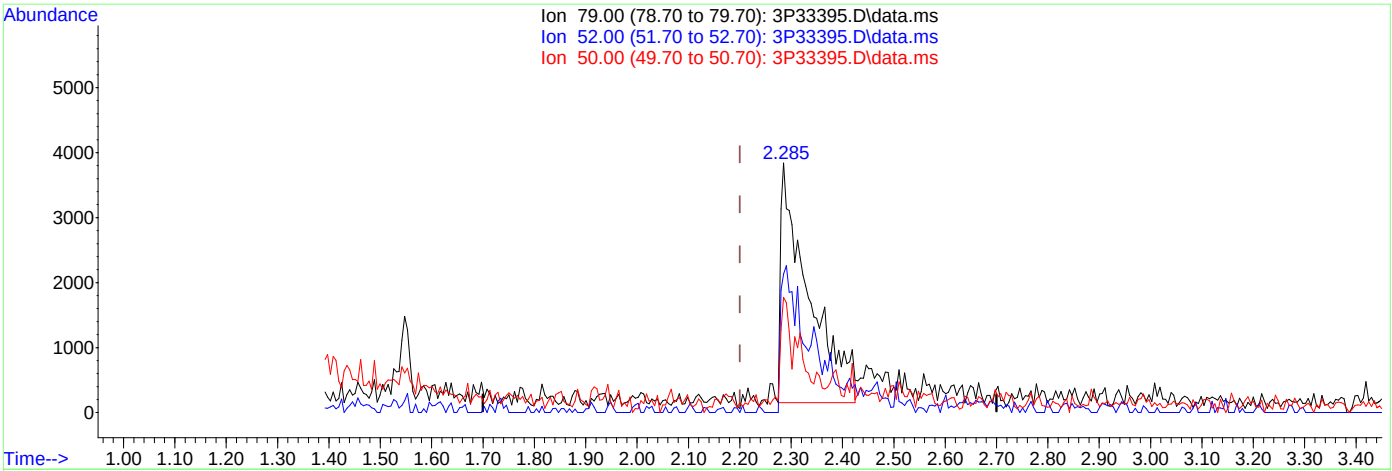
Ion	Exp%	Act%
79.00	100	100
52.00	59.30	57.15
50.00	32.10	45.63
0.00	0.00	0.00

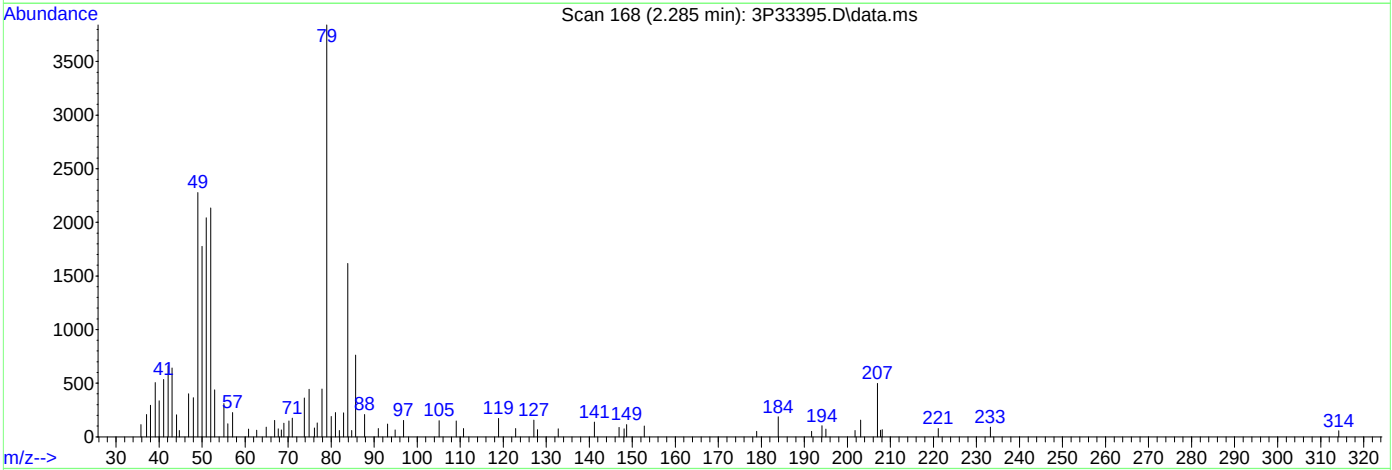
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33395.D
Acq On : 2 Jul 2014 8:29 pm
Operator : ashleyd
Sample : ic1427-2
Misc : op75725,e3p1427
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 08:45:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:38:50 2014
Response via : Initial Calibration





TIC: 3P33395.D\data.ms

(3) Pyridine (t)

2.285min (+0.085) 1.54ppb m

response 13916

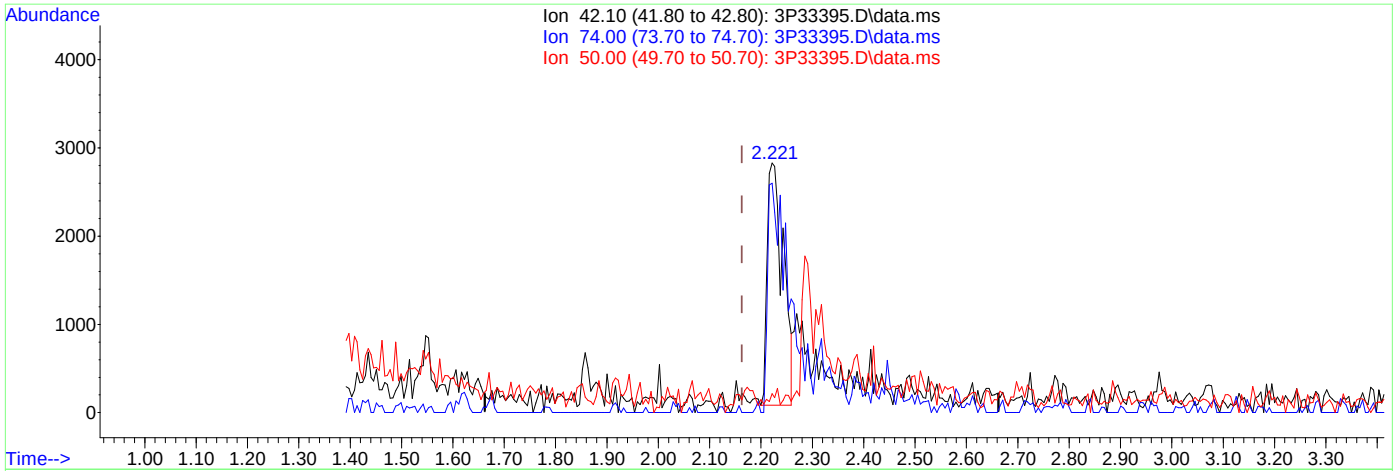
Ion	Exp%	Act%
79.00	100	100
52.00	59.30	55.52
50.00	32.10	46.20
0.00	0.00	0.00

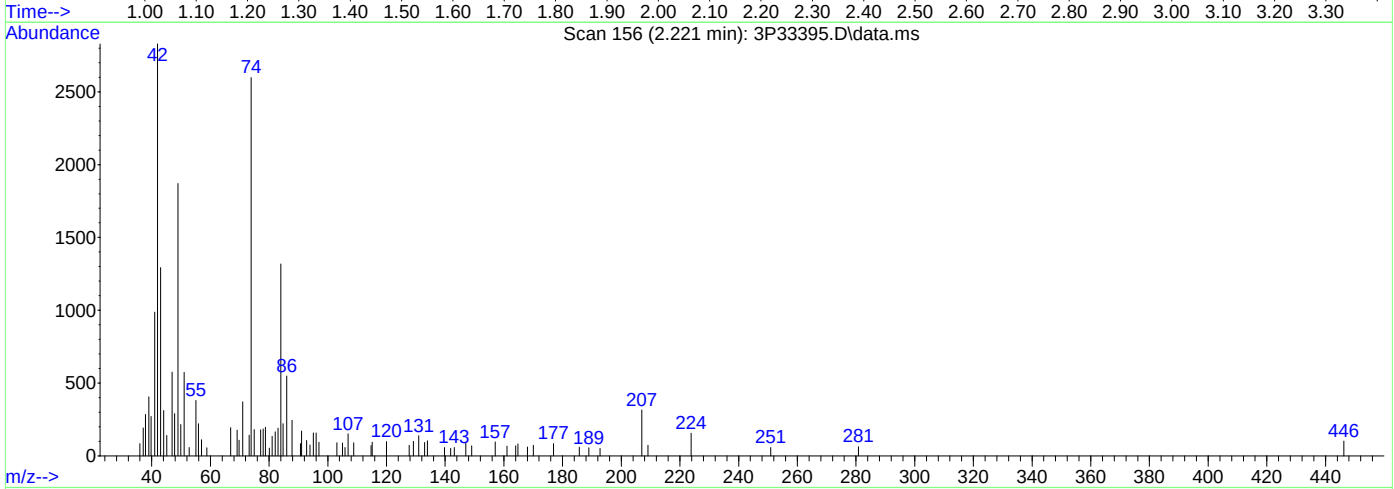
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33395.D
Acq On : 2 Jul 2014 8:29 pm
Operator : ashleyd
Sample : ic1427-2
Misc : op75725,e3p1427
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 08:45:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:38:50 2014
Response via : Initial Calibration





TIC: 3P33395.D\data.ms

(4) N-Nitrosodimethylamine (t)

2.221min (+0.059) 1.05ppb

response 5974

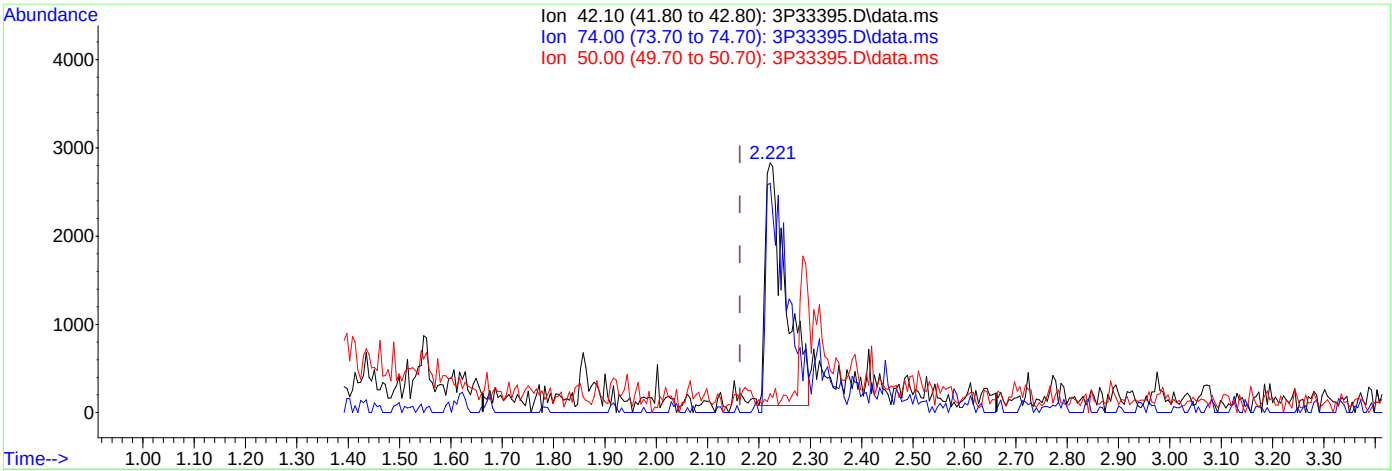
Ion	Exp%	Act%
42.10	100	100
74.00	101.30	83.45
50.00	0.00	3.25
0.00	0.00	0.00

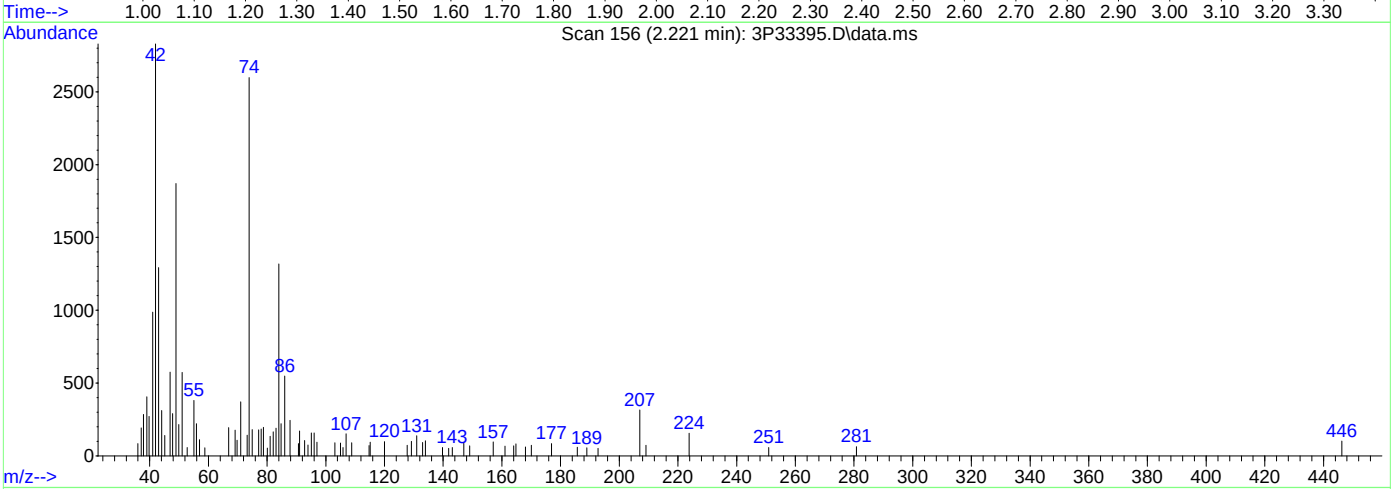
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33395.D
Acq On : 2 Jul 2014 8:29 pm
Operator : ashleyd
Sample : ic1427-2
Misc : op75725,e3p1427
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 08:45:16 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:38:50 2014
Response via : Initial Calibration





TIC: 3P33395.D\data.ms

(4) N-Nitrosodimethylamine (t)

2.221min (+0.059) 1.34ppb m

response 7639

Ion	Exp%	Act%
42.10	100	100
74.00	101.30	91.84
50.00	0.00	7.56
0.00	0.00	0.00

ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/07/14 14:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 13:39:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	405011	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	1394380	40.00	ppb	0.00
47) Acenaphthene-d10	6.655	164	877884	40.00	ppb	0.00
69) Phenanthrene-d10	8.399	188	1567912	40.00	ppb	0.00
83) Chrysene-d12	13.539	240	1780992	40.00	ppb	-0.03
91) Perylene-d12	16.577	264	1642425	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	405011	40.00	ppb	0.00
103) Acenaphthene-d10a	6.655	164	877884	40.00	ppb	0.00
106) Chrysene-d12a	13.539	240	1780992	40.00	ppb	-0.03
108) Naphthalene-d8a	5.318	136	1394380	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	4.211	99	8627	0.64	ppb	0.05
Spiked Amount 50.000			Recovery	=	1.28%	
25) Nitrobenzene-d5	4.826	82	10523	0.84	ppb	0.02
Spiked Amount 50.000			Recovery	=	1.68%	
51) 2-Fluorobiphenyl	6.099	172	26086	0.93	ppb	0.00
Spiked Amount 50.000			Recovery	=	1.86%	
73) 2,4,6-Tribromophenol	7.500	330	4004	0.84	ppb	0.02
Spiked Amount 50.000			Recovery	=	1.68%	
85) Terphenyl-d14	11.367	244	33224	0.93	ppb	0.00
Spiked Amount 50.000			Recovery	=	1.86%	
Target Compounds						Qvalue
2) 1,4-Dioxane	1.863	88	4017	0.90	ppb	94
6) Indene	4.591	116	16680	0.88	ppb	98
7) Cumene	3.799	105	27398	0.92	ppb	96
9) Phenol	4.222	94	8026	0.52	ppb #	40
10) Aniline	4.184	93	12327	0.90	ppb	90
11) bis(2-Chloroethyl)ether	4.222	93	12988m	1.31	ppb	
12) 2-Chlorophenol	4.275	128	11369	0.94	ppb	96
13) Decane	4.286	43	10161	1.02	ppb	95
14) 1,3-Dichlorobenzene	4.361	146	14300	0.95	ppb	90
15) 1,4-Dichlorobenzene	4.409	146	14837	0.98	ppb	97
16) Benzyl alcohol	4.559	108	4334	0.61	ppb	81
17) 1,2-Dichlorobenzene	4.527	146	13238	0.94	ppb	94
18) Acetophenone	4.719	105	14168	0.89	ppb	99
19) 2-Methylphenol	4.639	108	11195m	1.15	ppb	
20) 2,2'-oxybis(1-Chloropr...	4.607	45	10308	0.94	ppb	94
21) 3&4-Methylphenol	4.762	108	8128	0.79	ppb	84
22) n-Nitroso-di-n-propyla...	4.708	70	6874	0.92	ppb	98
23) Hexachloroethane	4.762	201	6652	1.01	ppb	94
26) Nitrobenzene	4.842	77	11558	0.90	ppb	88
27) Quinoline	5.602	129	17983	0.82	ppb	99
28) Isophorone	4.997	82	19983	0.96	ppb	96
29) 2-Nitrophenol	5.072	139	5244	0.75	ppb	93
30) 2,4-Dimethylphenol	5.126	107	8628	0.83	ppb	94
32) bis(2-Chloroethoxy)met...	5.158	93	9982	0.88	ppb	89
33) 2,4-Dichlorophenol	5.307	162	9592	0.83	ppb	73
34) 2,6-Dichlorophenol	5.409	162	9814	0.90	ppb	93
35) 1,3,5-Trichlorobenzene	5.061	180	14284	0.93	ppb	91
36) 1,2,4-Trichlorobenzene	5.281	180	13980	0.99	ppb	90
37) 1,2,3-Trichlorobenzene	5.447	180	13645	0.99	ppb	92
38) Naphthalene	5.334	128	31836	0.96	ppb	97
39) 4-Chloroaniline	5.409	127	13517	1.01	ppb	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 13:39:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40)	2,3-Dichloroaniline	6.051	161	12870	0.92	ppb		97
41)	Caprolactam	5.655	113	3097m	1.00	ppb		
42)	Hexachlorobutadiene	5.425	225	9209	0.98	ppb		96
43)	4-Chloro-3-methylphenol	5.783	107	10867m	1.08	ppb		
44)	2-Methylnaphthalene	5.837	141	18293	0.88	ppb		93
45)	1-Methylnaphthalene	5.907	141	21056	0.98	ppb		93
46)	Dimethylnaphthalene	6.302	156	20939	0.94	ppb		92
49)	2,4,6-Trichlorophenol	6.067	196	6961	0.79	ppb		88
50)	2,4,5-Trichlorophenol	6.131	196	10235m	1.05	ppb		
52)	2-Chloronaphthalene	6.195	162	23365	0.98	ppb		96
53)	Biphenyl	6.179	154	28079	0.96	ppb		99
54)	2-Nitroaniline	6.308	65	5389	0.78	ppb		79
55)	Dimethylphthalate	6.420	163	25699	0.97	ppb		99
56)	Acenaphthylene	6.532	152	33300	0.91	ppb		96
57)	2,6-Dinitrotoluene	6.489	165	4581	0.75	ppb		97
58)	3-Nitroaniline	6.671	138	5278	0.84	ppb	#	84
59)	Acenaphthene	6.682	153	21682	0.97	ppb		98
62)	Dibenzofuran	6.853	168	31025	0.91	ppb		98
63)	2,4-Dinitrotoluene	6.885	165	5851	0.70	ppb	#	55
64)	2,3,4,6-Tetrachlorophenol	7.008	232	6681	0.88	ppb		93
65)	Diethylphthalate	7.083	149	24755	0.95	ppb		94
66)	Fluorene	7.206	166	25550	0.93	ppb		95
67)	4-Chlorophenyl-phenyle...	7.201	204	14122	0.94	ppb		90
68)	4-Nitroaniline	7.297	138	3883	0.69	ppb		90
71)	n-Nitrosodiphenylamine	7.345	169	16861	0.98	ppb		96
72)	1,2-Diphenylhydrazine	7.383	77	23448	0.99	ppb		94
74)	4-Bromophenyl-phenylether	7.789	248	8993	0.94	ppb		91
75)	Hexachlorobenzene	7.880	284	11223	0.99	ppb		87
77)	Phenanthrene	8.431	178	38224	1.00	ppb		98
78)	Anthracene	8.517	178	38386	1.01	ppb		93
79)	Carbazole	8.811	167	33162	0.91	ppb		96
80)	Di-n-butylphthalate	9.458	149	39444	0.89	ppb		95
81)	Fluoranthene	10.506	202	43245	0.90	ppb		97
82)	Octadecane	8.313	57	11082	0.90	ppb		95
84)	Pyrene	10.940	202	46103	0.95	ppb		93
86)	Butylbenzylphthalate	12.512	149	16514	0.84	ppb		92
87)	Benzo[a]anthracene	13.523	228	52469	1.08	ppb		97
88)	3,3'-Dichlorobenzidine	13.598	252	14588	0.82	ppb		96
89)	Chrysene	13.592	228	42645	1.02	ppb		97
90)	bis(2-Ethylhexyl)phtha...	13.908	149	23295	0.90	ppb		99
92)	Di-n-octylphthalate	15.336	149	39718	0.82	ppb		99
93)	Benzo[b]fluoranthene	15.839	252	44171	0.88	ppb		96
94)	Benzo[k]fluoranthene	15.892	252	47405	0.99	ppb		97
95)	Benzo[a]pyrene	16.465	252	41950	0.95	ppb		95
96)	Indeno[1,2,3-cd]pyrene	18.561	276	50221	1.15	ppb		95
97)	Dibenz(a,h)acridine	18.187	279	34329	0.88	ppb		91
98)	Dibenz[a,h]anthracene	18.599	278	40794	0.97	ppb		95
99)	7,12-Dimethylbenz(a)an...	15.823	256	15716	3.50	ppb		90
100)	Benzo[g,h,i]perylene	18.995	276	40250	1.00	ppb		93

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

9.6.93

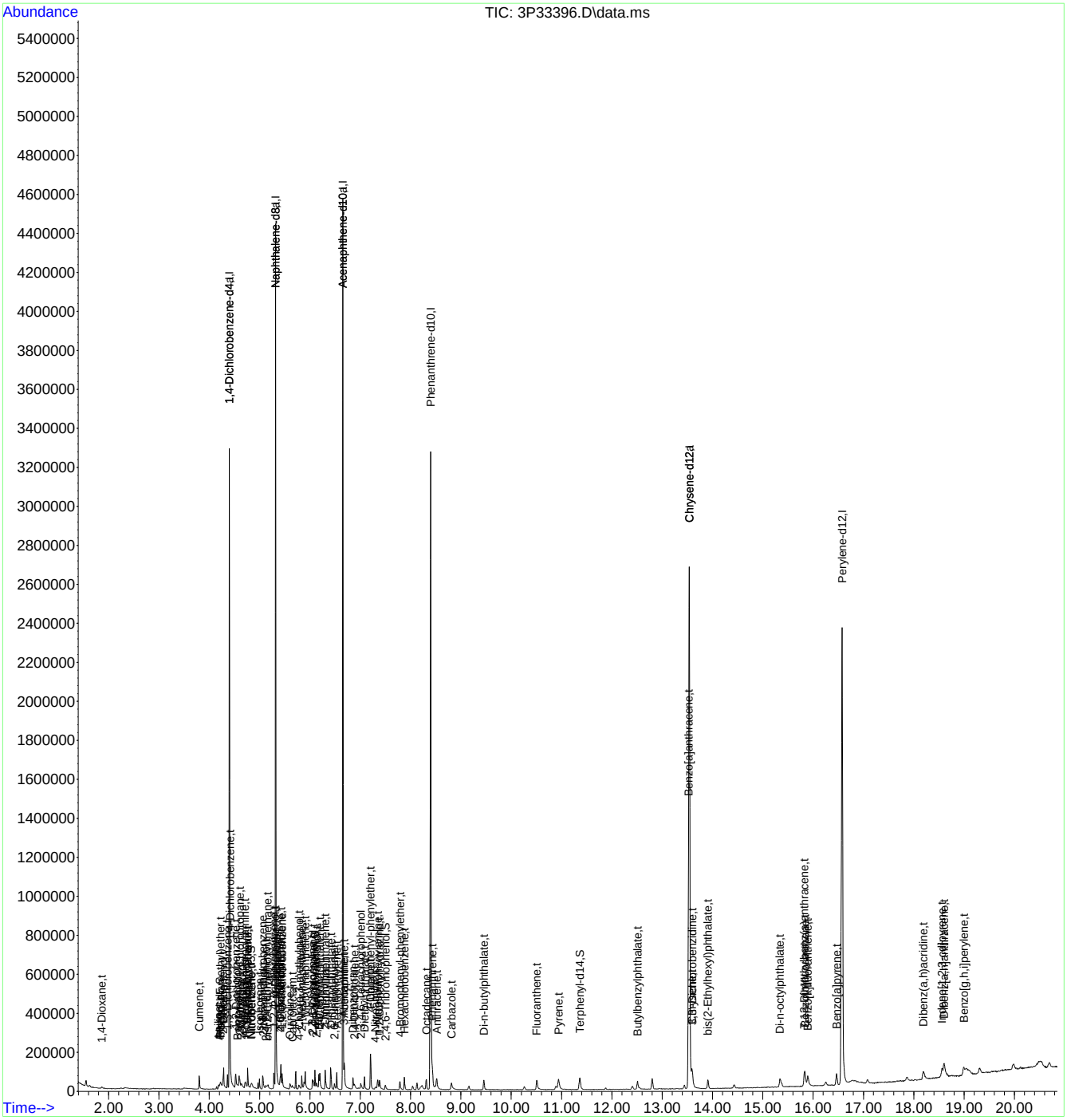
6

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 13:39:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

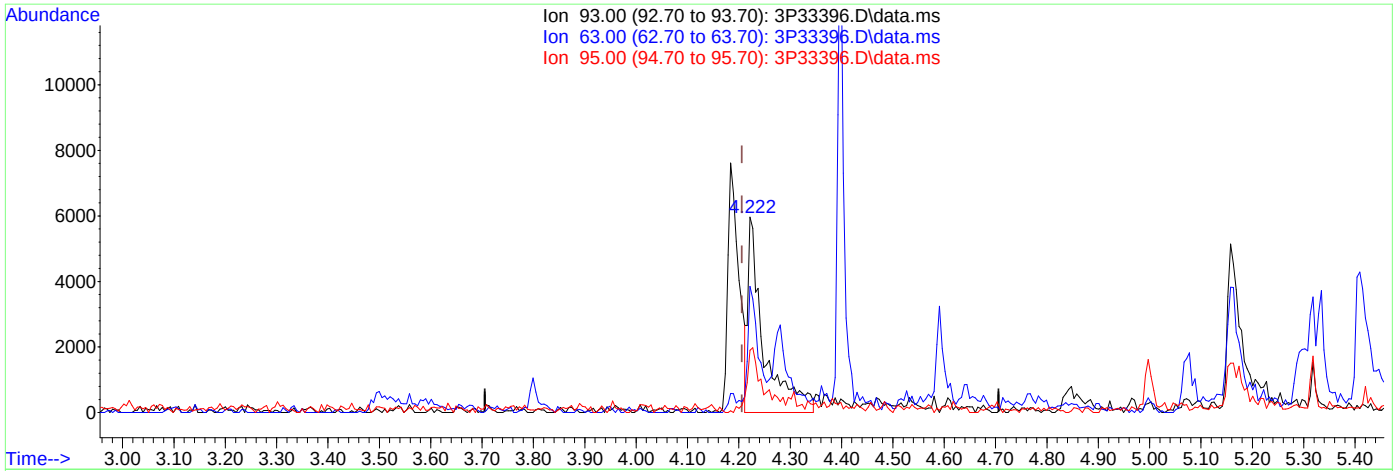
Sample Number: E3P1427-IC1427 **Method:** SW846 8270D
Lab FileID: 3P33396.D **Analyst approved:** 07/03/14 13:04 Samta Patel
Injection Time: 07/02/14 20:55 **Supervisor approved:** 07/07/14 14:53 Nina Pandya

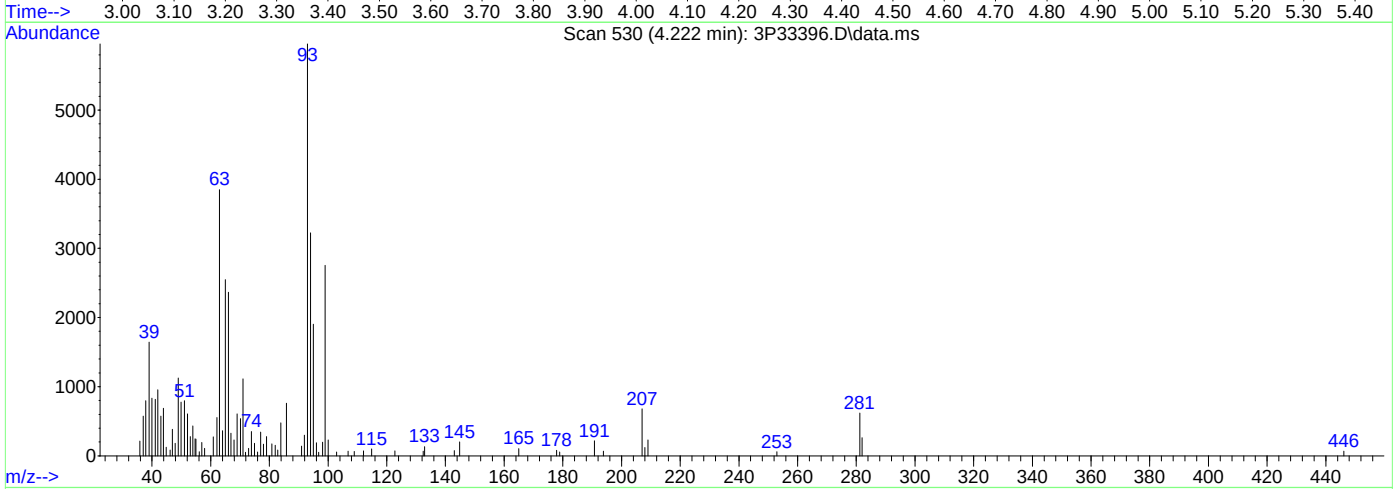
Parameter	CAS	Sig#	R.T. (min.)	Reason
bis(2-Chloroethyl)ether	111-44-4		4.22	Poor instrument integration
2-Methylphenol	95-48-7		4.64	Poor instrument integration
Benzoic acid	65-85-0		5.27	Split peak
Caprolactam	105-60-2		5.66	Poor instrument integration
4-Chloro-3-methyl phenol	59-50-7		5.78	Poor instrument integration
Hexachlorocyclopentadiene	77-47-4		5.95	Poor instrument integration
2,4,5-Trichlorophenol	95-95-4		6.13	Poor instrument integration
4-Nitrophenol	100-02-7		6.98	Poor instrument integration
Pentachlorophenol	87-86-5		8.21	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 08:56:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration





TIC: 3P33396.D\data.ms

(11) bis(2-Chloroethyl)ether (t)

4.222min (+0.016) 1.31ppb m

response 12988

Ion	Exp%	Act%
93.00	100	100
63.00	74.30	64.61
95.00	32.50	31.92
0.00	0.00	0.00

9.6.63.2

9

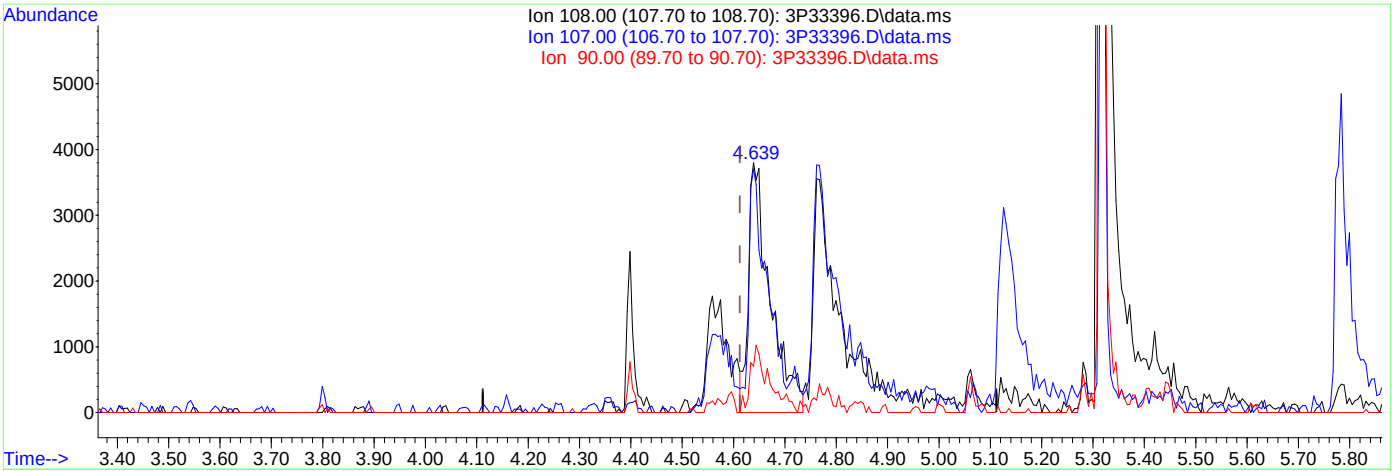
ACCUTEST LABORATORIES JB69926

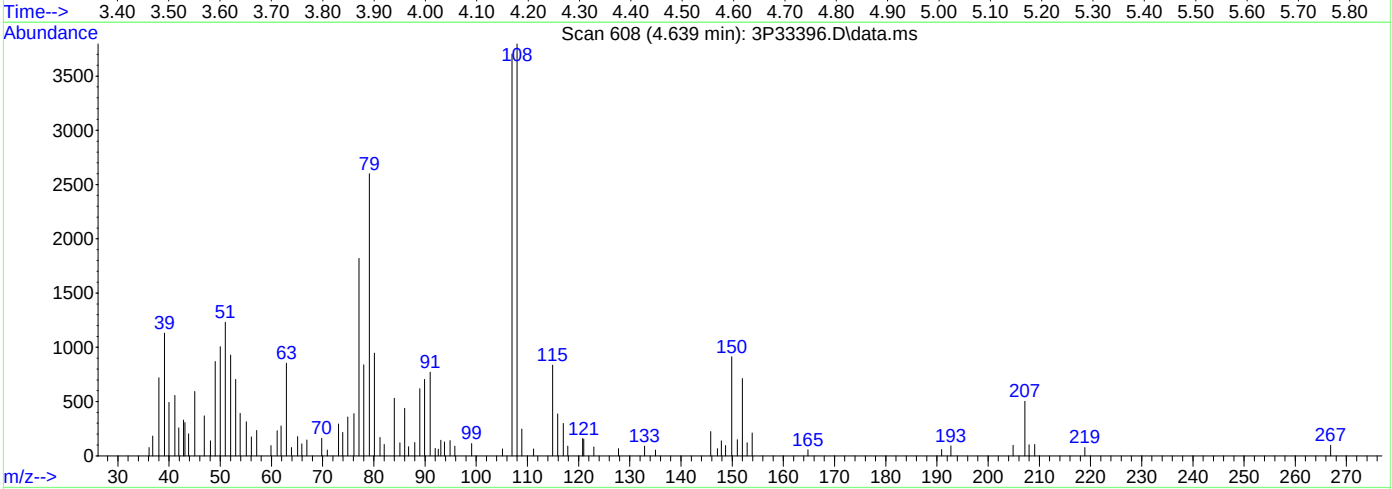
3P33396.D edits: bis(2-Chloroethyl)ether

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 08:56:12 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration





TIC: 3P33396.D\data.ms

(19) 2-Methylphenol (t)

4.639min (+0.027) 1.15ppb m

response 11195

Ion	Exp%	Act%
108.00	100	100
107.00	86.40	97.55
90.00	23.30	18.54
0.00	0.00	0.00

9.6.63.3

9

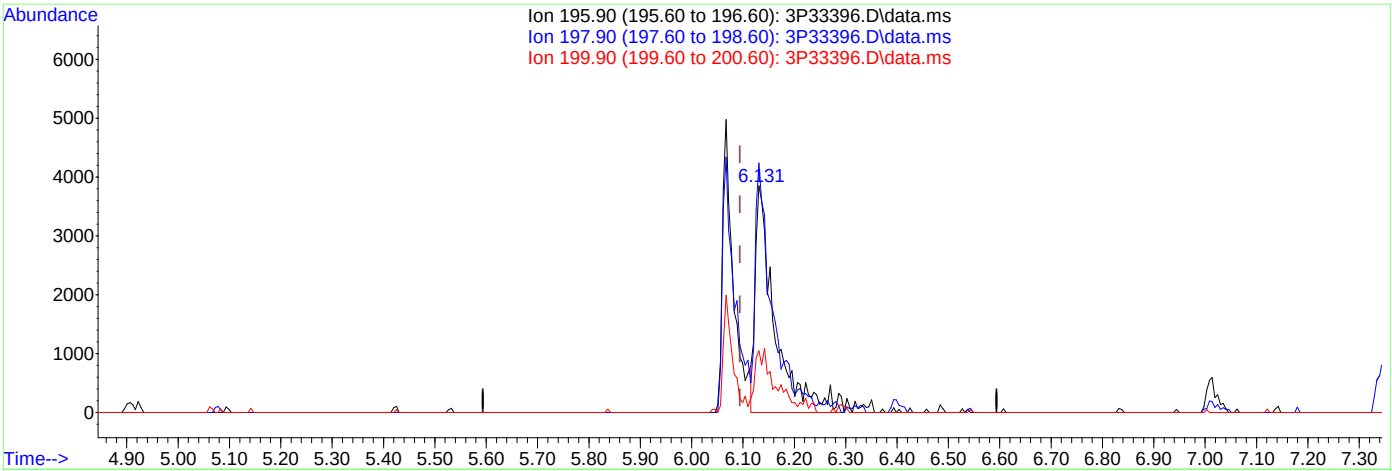
ACCUTEST LABORATORIES JB69926

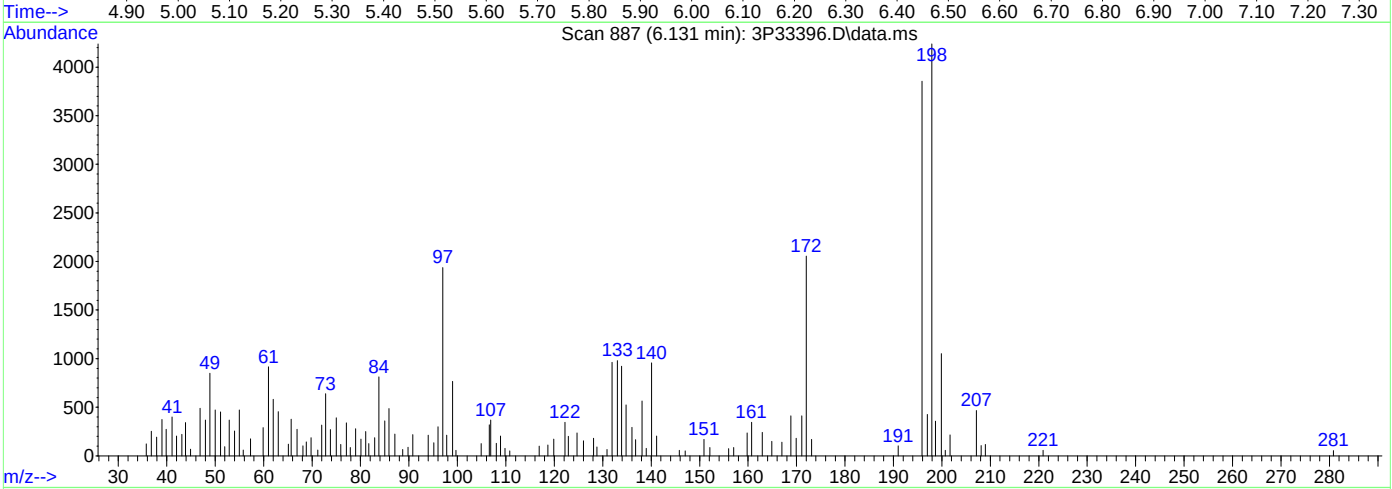
3P33396.D edits: 2-Methylphenol

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 13:39:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration





TIC: 3P33396.D\data.ms

(50) 2,4,5-Trichlorophenol (t)

6.131min (+0.037) 1.05ppb m

response 10235

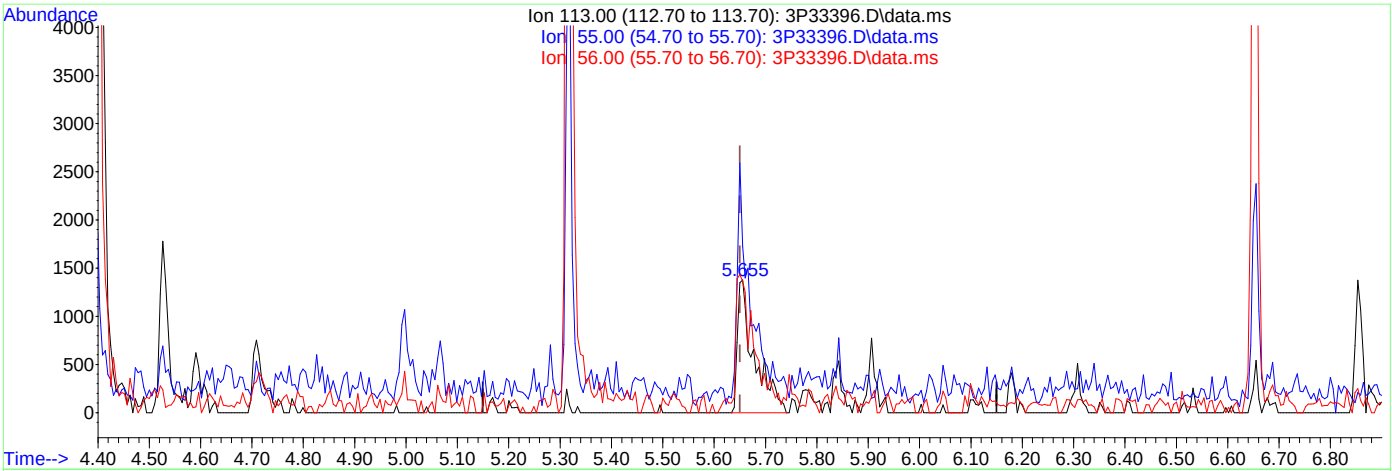
Ion	Exp%	Act%
195.90	100	100
197.90	98.30	110.02
199.90	31.20	27.24
0.00	0.00	0.00

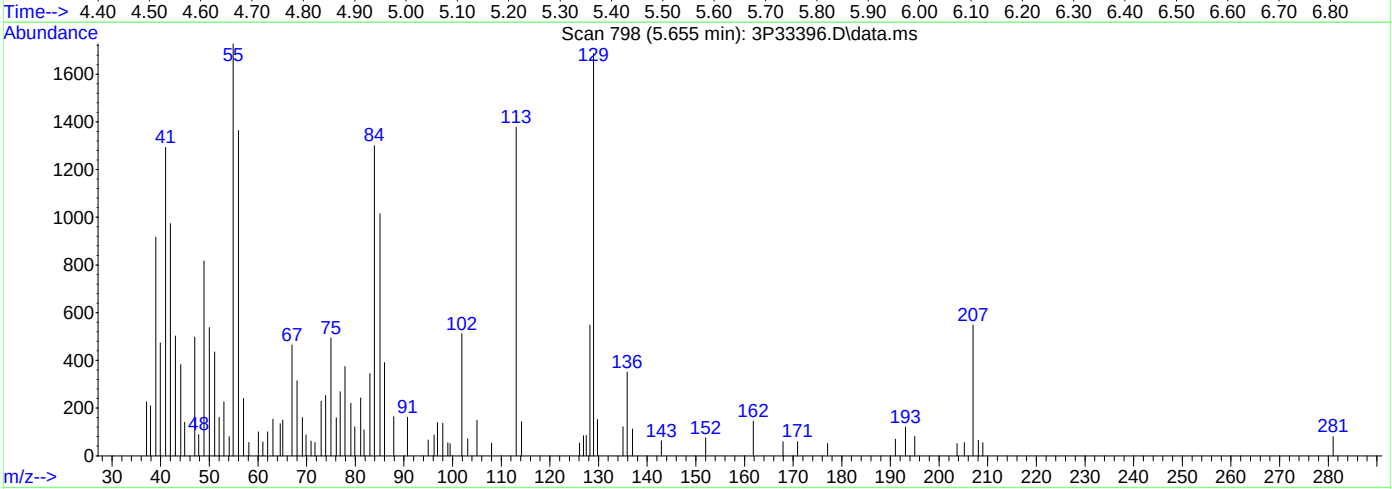
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 13:39:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration





TIC: 3P33396.D\data.ms

(41) Caprolactam (t)

5.655min (+0.005) 1.00ppb m

response 3097

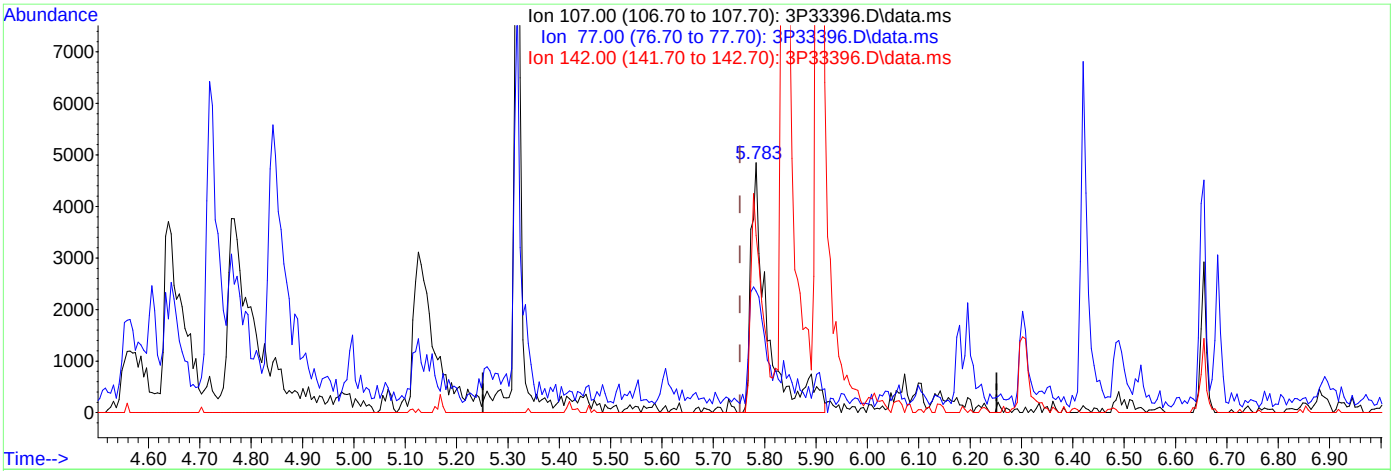
Ion	Exp%	Act%
113.00	100	100
55.00	140.00	125.33
56.00	113.60	98.98
0.00	0.00	0.00

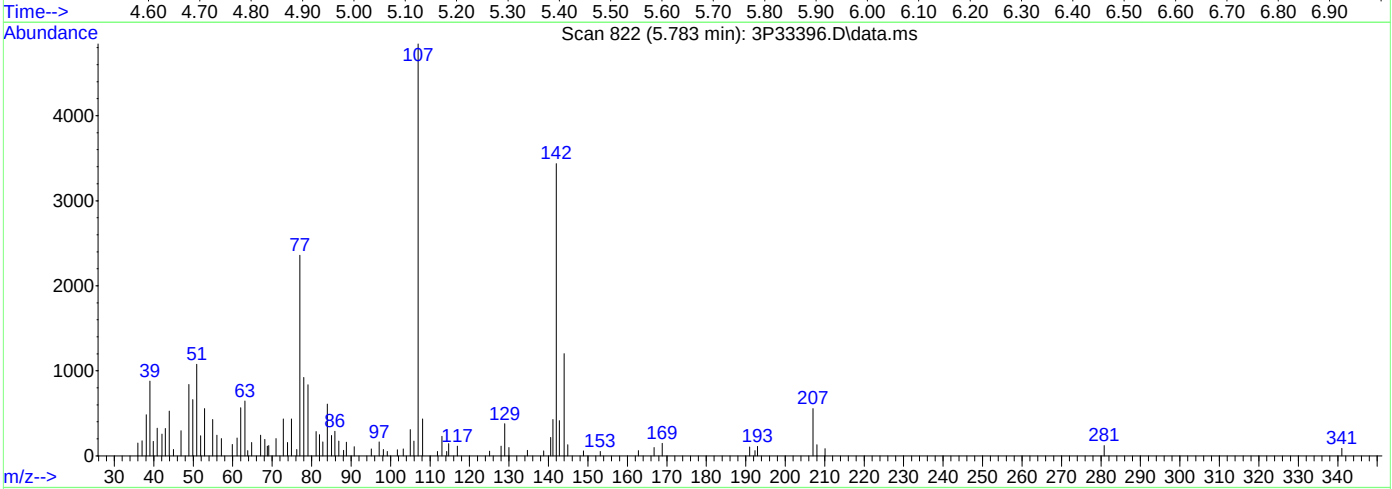
ACCUTEST LABORATORIES JB69926

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33396.D
Acq On : 2 Jul 2014 8:55 pm
Operator : ashleyd
Sample : ic1427-1
Misc : op75725,e3p1427
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 07 13:39:58 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 08:45:47 2014
Response via : Initial Calibration





TIC: 3P33396.D\data.ms

(43) 4-Chloro-3-methylphenol (t)

5.783min (+0.032) 1.08ppb m

response 10867

Ion	Exp%	Act%
107.00	100	100
77.00	57.20	48.66
142.00	89.10	70.95
0.00	0.00	0.00

9.6.63.6

6

ACCUTEST LABORATORIES JB69926

3P33396.D edits: 4-Chloro-3-methylphenol

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33398.D
Acq On : 2 Jul 2014 9:48 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 10:28:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	277804	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	917243	40.00	ppb	0.00
47) Acenaphthene-d10	6.655	164	569245	40.00	ppb	0.00
69) Phenanthrene-d10	8.394	188	951036	40.00	ppb	-0.01
83) Chrysene-d12	13.534	240	998104	40.00	ppb	-0.04
91) Perylene-d12	16.572	264	867996	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	277804	40.00	ppb	0.00
103) Acenaphthene-d10a	6.655	164	569245	40.00	ppb	0.00
106) Chrysene-d12a	13.534	240	998104	40.00	ppb	-0.04
108) Naphthalene-d8a	5.318	136	917243	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	0d	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
3) Pyridine	2.312	79	397943	56.94	ppb	98
10) Aniline	4.163	93	554015	59.87	ppb	96
16) Benzyl alcohol	4.516	108	242580	52.22	ppb	88
39) 4-Chloroaniline	5.388	127	397542	44.91	ppb	99
44) 2-Methylnaphthalene	5.832	141	734155	54.45	ppb	98
54) 2-Nitroaniline	6.281	65	220721	50.62	ppb	96
58) 3-Nitroaniline	6.634	138	193606	48.58	ppb	99
62) Dibenzofuran	6.848	168	1153988	53.05	ppb	99
68) 4-Nitroaniline	7.249	138	180416	51.14	ppb	90
79) Carbazole	8.789	167	1132108	51.94	ppb	99

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

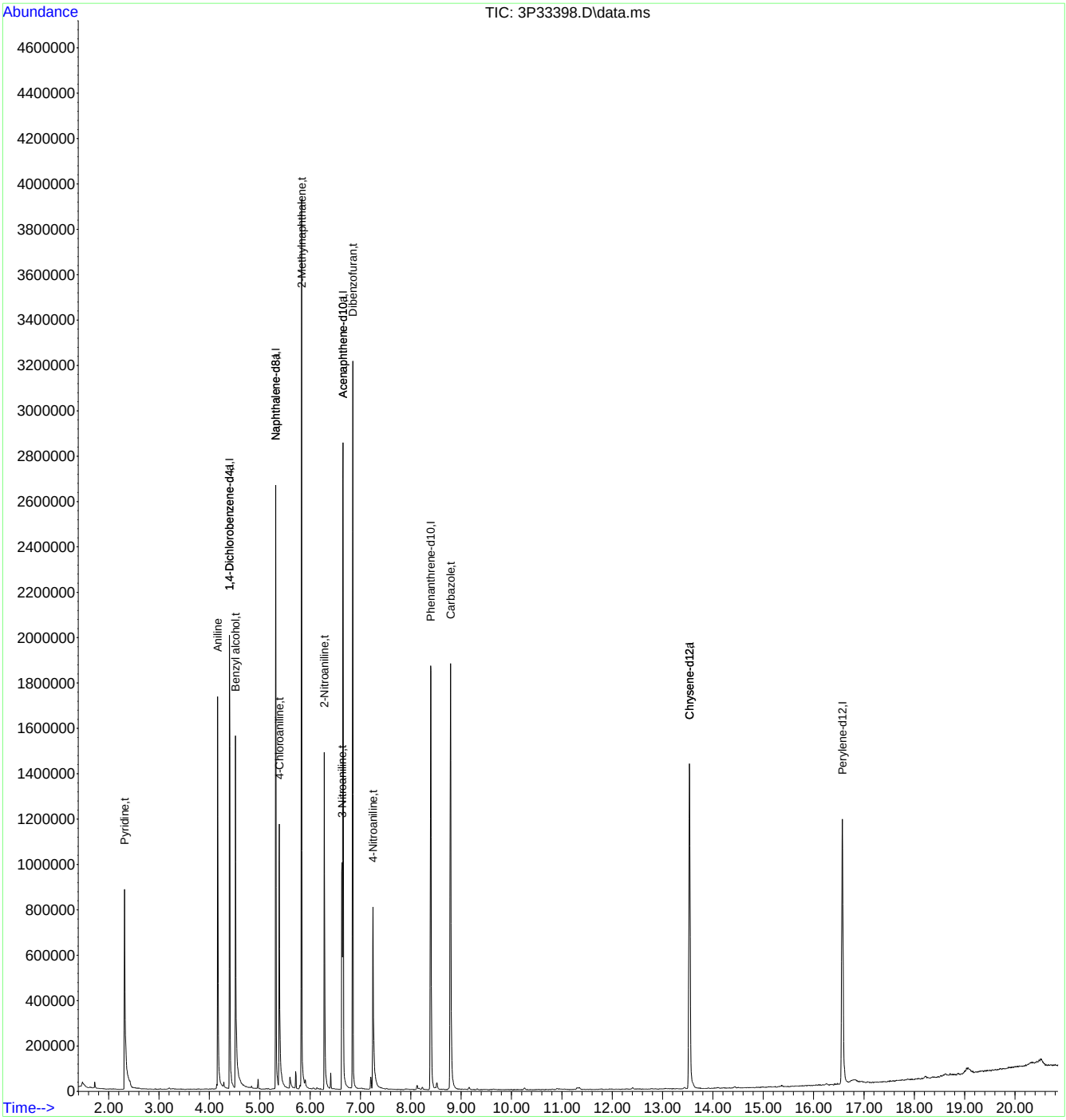
9.6.64

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33398.D
Acq On : 2 Jul 2014 9:48 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 10:28:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33399.D
Acq On : 2 Jul 2014 10:14 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 10:58:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	247754	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	812733	40.00	ppb	0.00
47) Acenaphthene-d10	6.655	164	506981	40.00	ppb	0.00
69) Phenanthrene-d10	8.399	188	927132	40.00	ppb	0.00
83) Chrysene-d12	13.539	240	1052327	40.00	ppb	-0.03
91) Perylene-d12	16.572	264	886097	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	247754	40.00	ppb	0.00
103) Acenaphthene-d10a	6.655	164	506981	40.00	ppb	0.00
106) Chrysene-d12a	13.539	240	1052327	40.00	ppb	-0.03
108) Naphthalene-d8a	5.318	136	812733	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	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.168	42	151737	39.17	ppb	94
11) bis(2-Chloroethyl)ether	4.205	93	274479	43.57	ppb	96
14) 1,3-Dichlorobenzene	4.355	146	409326	44.87	ppb	99
15) 1,4-Dichlorobenzene	4.409	146	415325	45.11	ppb	98
17) 1,2-Dichlorobenzene	4.521	146	387092	45.21	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.601	45	301594	45.33	ppb	95
22) n-Nitroso-di-n-propyla...	4.698	70	214727	47.47	ppb	95
23) Hexachloroethane	4.762	201	186111	46.04	ppb	98
26) Nitrobenzene	4.821	77	321453	43.32	ppb	99
28) Isophorone	4.986	82	544016	45.23	ppb	94
32) bis(2-Chloroethoxy)met...	5.147	93	338007	51.71	ppb	99
36) 1,2,4-Trichlorobenzene	5.281	180	373841	45.66	ppb	97
38) Naphthalene	5.334	128	896155	46.49	ppb	100
42) Hexachlorobutadiene	5.425	225	254407	46.68	ppb	98
48) Hexachlorocyclopentadiene	5.944	237	96110	40.36	ppb	98
52) 2-Chloronaphthalene	6.190	162	658529	47.79	ppb	96
55) Dimethylphthalate	6.420	163	762682	49.86	ppb	100
56) Acenaphthylene	6.527	152	835184	39.98	ppb	100
57) 2,6-Dinitrotoluene	6.479	165	164687	48.09	ppb	95
59) Acenaphthene	6.682	153	646483	50.46	ppb	99
63) 2,4-Dinitrotoluene	6.858	165	216065	46.62	ppb	82
65) Diethylphthalate	7.083	149	731165	48.68	ppb	99
66) Fluorene	7.201	166	767059	48.58	ppb	99
67) 4-Chlorophenyl-phenyle...	7.201	204	424001	49.40	ppb	97
71) n-Nitrosodiphenylamine	7.334	169	500762	49.37	ppb	99
72) 1,2-Diphenylhydrazine	7.377	77	666774	47.66	ppb	99
74) 4-Bromophenyl-phenylether	7.784	248	269826	48.12	ppb	97
75) Hexachlorobenzene	7.875	284	303972	45.42	ppb	96
77) Phenanthrene	8.431	178	1067726	47.31	ppb	99
78) Anthracene	8.511	178	1079491	47.84	ppb	98
80) Di-n-butylphthalate	9.452	149	1270369	49.19	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33399.D
Acq On : 2 Jul 2014 10:14 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 10:58:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Fluoranthene	10.501	202	1335047	47.64	ppb	99
84) Pyrene	10.929	202	1368487	47.81	ppb	99
86) Butylbenzylphthalate	12.512	149	561717	49.32	ppb	98
87) Benzo[a]anthracene	13.517	228	1335591	46.21	ppb	99
89) Chrysene	13.598	228	1247934	50.23	ppb	99
90) bis(2-Ethylhexyl)phtha...	13.913	149	735541	48.79	ppb	98
92) Di-n-octylphthalate	15.341	149	1312779	51.51	ppb	99
93) Benzo[b]fluoranthene	15.828	252	1282507	48.31	ppb	96
94) Benzo[k]fluoranthene	15.882	252	1284852	49.95	ppb	99
95) Benzo[a]pyrene	16.459	252	1200775	50.88	ppb	99
96) Indeno[1,2,3-cd]pyrene	18.534	276	1148505	47.90	ppb	99
98) Dibenz[a,h]anthracene	18.583	278	1167936	51.61	ppb	100
100) Benzo[g,h,i]perylene	18.957	276	1153643	52.96	ppb	97

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

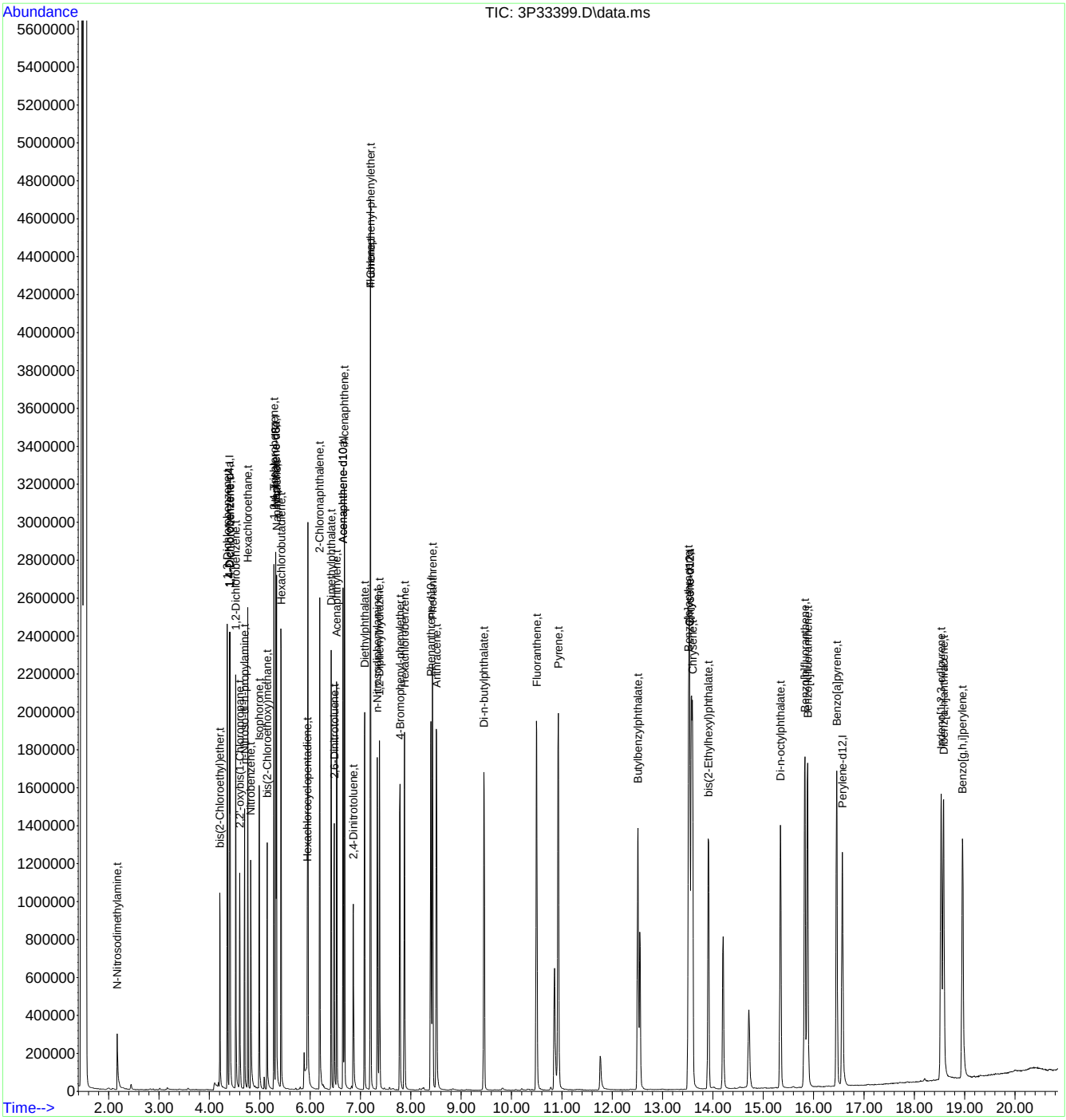
9.6.65

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33399.D
Acq On : 2 Jul 2014 10:14 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 10:58:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33400.D
Acq On : 2 Jul 2014 10:40 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 13:23:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration

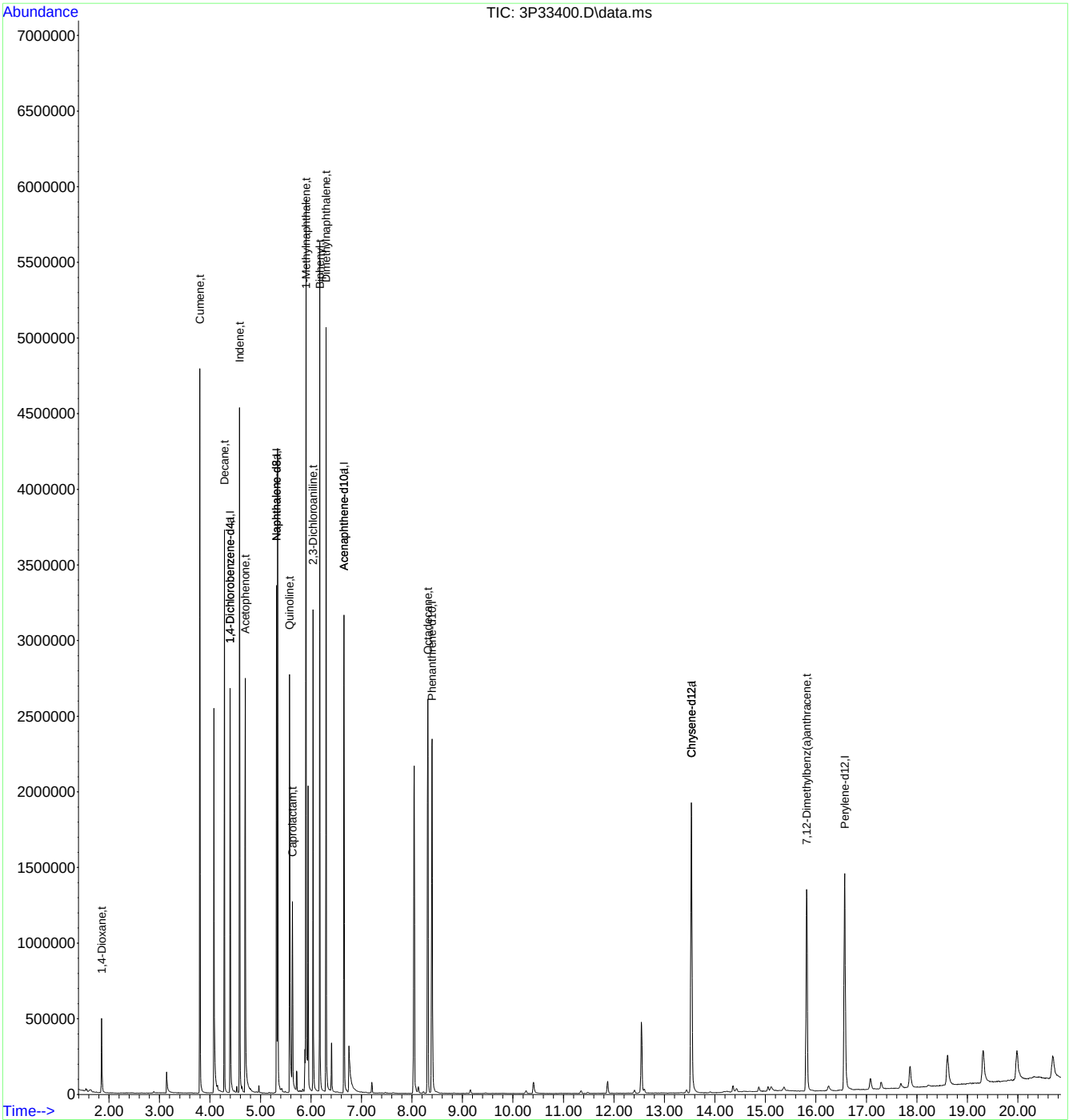
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	318524	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	1039815	40.00	ppb	0.00
47) Acenaphthene-d10	6.655	164	648551	40.00	ppb	0.00
69) Phenanthrene-d10	8.393	188	1167535	40.00	ppb	-0.01
83) Chrysene-d12	13.533	240	1340124	40.00	ppb	-0.04
91) Perylene-d12	16.571	264	1029327	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	318524	40.00	ppb	0.00
103) Acenaphthene-d10a	6.655	164	648551	40.00	ppb	0.00
106) Chrysene-d12a	13.533	240	1340124	40.00	ppb	-0.04
108) Naphthalene-d8a	5.318	136	1039815	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	0d	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
2) 1,4-Dioxane	1.852	88	175810	50.91	ppb	96
6) Indene	4.585	116	882618	60.31	ppb	97
7) Cumene	3.799	105	1309423	56.67	ppb	99
13) Decane	4.286	43	417520	53.29	ppb	99
18) Acetophenone	4.697	105	695434	56.55	ppb	99
27) Quinoline	5.575	129	866107	54.02	ppb	96
40) 2,3-Dichloroaniline	6.040	161	515875	49.91	ppb	96
41) Caprolactam	5.634	113	123430	53.47	ppb	98
45) 1-Methylnaphthalene	5.901	141	889398	55.66	ppb	99
46) Dimethylnaphthalene	6.297	156	940280	56.85	ppb	100
53) Biphenyl	6.174	154	1249893	58.16	ppb	99
82) Octadecane	8.313	57	549951	60.51	ppb	98
99) 7,12-Dimethylbenz(a)an...	15.817	256	520002	34.03	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33400.D
Acq On : 2 Jul 2014 10:40 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 13:23:00 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration



M3P1427.M Thu Jul 03 13:23:25 2014 RPT1 Page: 2

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ACCUTEST LABORATORIES
JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33401.D
Acq On : 2 Jul 2014 11:06 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 10:39:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	299963	40.00	ppb	-0.05
24) Naphthalene-d8	5.318	136	1009345	40.00	ppb	-0.06
47) Acenaphthene-d10	6.650	164	609919	40.00	ppb	-0.07
69) Phenanthrene-d10	8.394	188	1093141	40.00	ppb	-0.09
83) Chrysene-d12	13.534	240	1227420	40.00	ppb	-0.11
91) Perylene-d12	16.572	264	1057185	40.00	ppb	-0.11
101) 1,4-Dichlorobenzene-d4a	4.398	152	299963	40.00	ppb	-0.05
103) Acenaphthene-d10a	6.650	164	609919	40.00	ppb	-0.07
106) Chrysene-d12a	13.534	240	1227420	40.00	ppb	-0.11
108) Naphthalene-d8a	5.318	136	1009345	40.00	ppb	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	3.430	112	358631	42.72	ppb	-0.06
Spiked Amount 50.000			Recovery = 85.44%			
8) Phenol-d5	4.168	99	421674	40.91	ppb	-0.05
Spiked Amount 50.000			Recovery = 81.82%			
25) Nitrobenzene-d5	4.805	82	410001	43.96	ppb	-0.06
Spiked Amount 50.000			Recovery = 87.92%			
51) 2-Fluorobiphenyl	6.094	172	932131	45.39	ppb	-0.06
Spiked Amount 50.000			Recovery = 90.78%			
73) 2,4,6-Tribromophenol	7.484	330	155058	43.96	ppb	-0.07
Spiked Amount 50.000			Recovery = 87.92%			
85) Terphenyl-d14	11.357	244	1205212	47.55	ppb	-0.09
Spiked Amount 50.000			Recovery = 95.10%			
Target Compounds						Qvalue

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

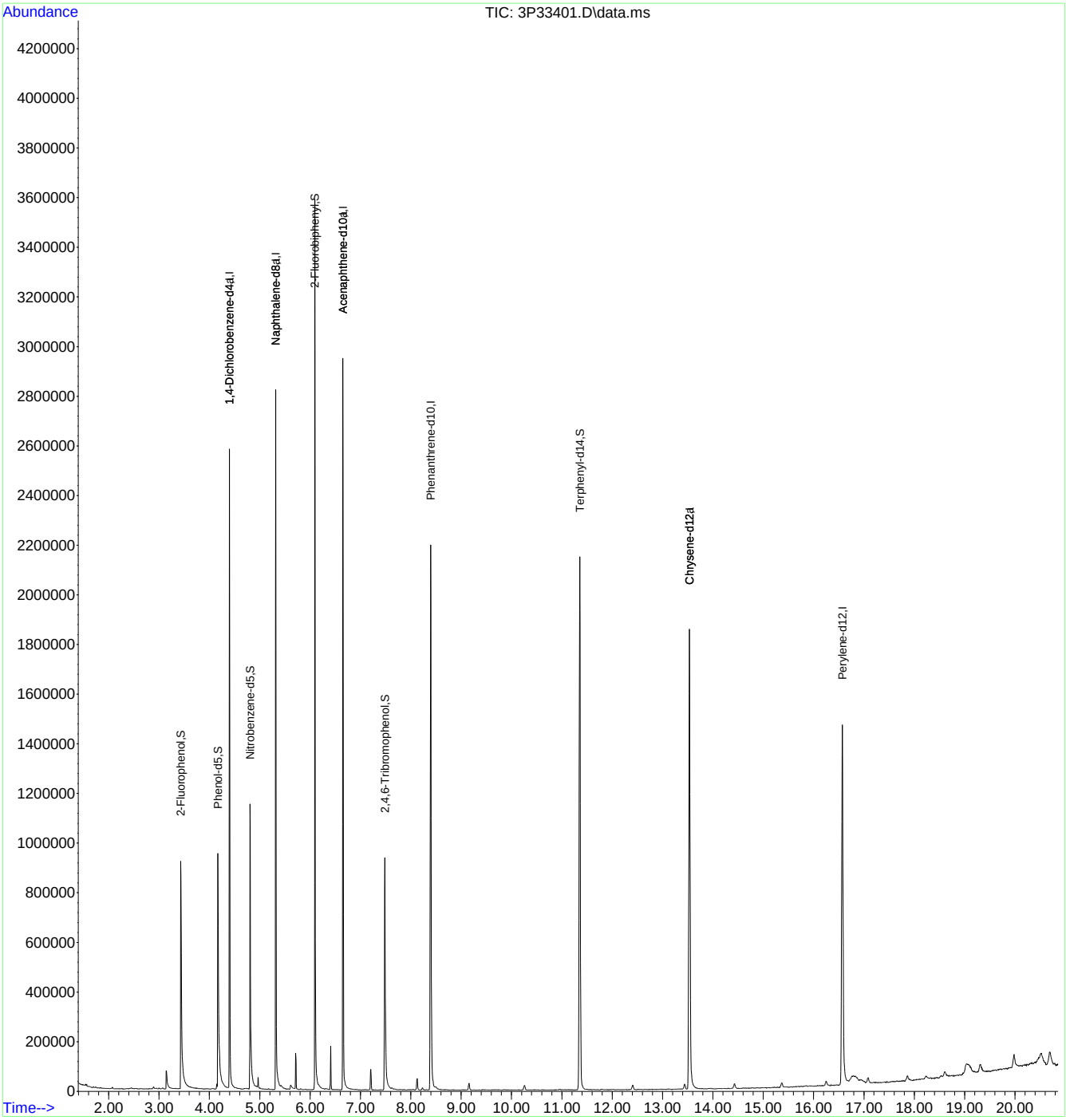
9.6.67

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33401.D
Acq On : 2 Jul 2014 11:06 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 10:39:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jun 26 14:35:54 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33402.D
Acq On : 2 Jul 2014 11:33 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 03 10:42:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration

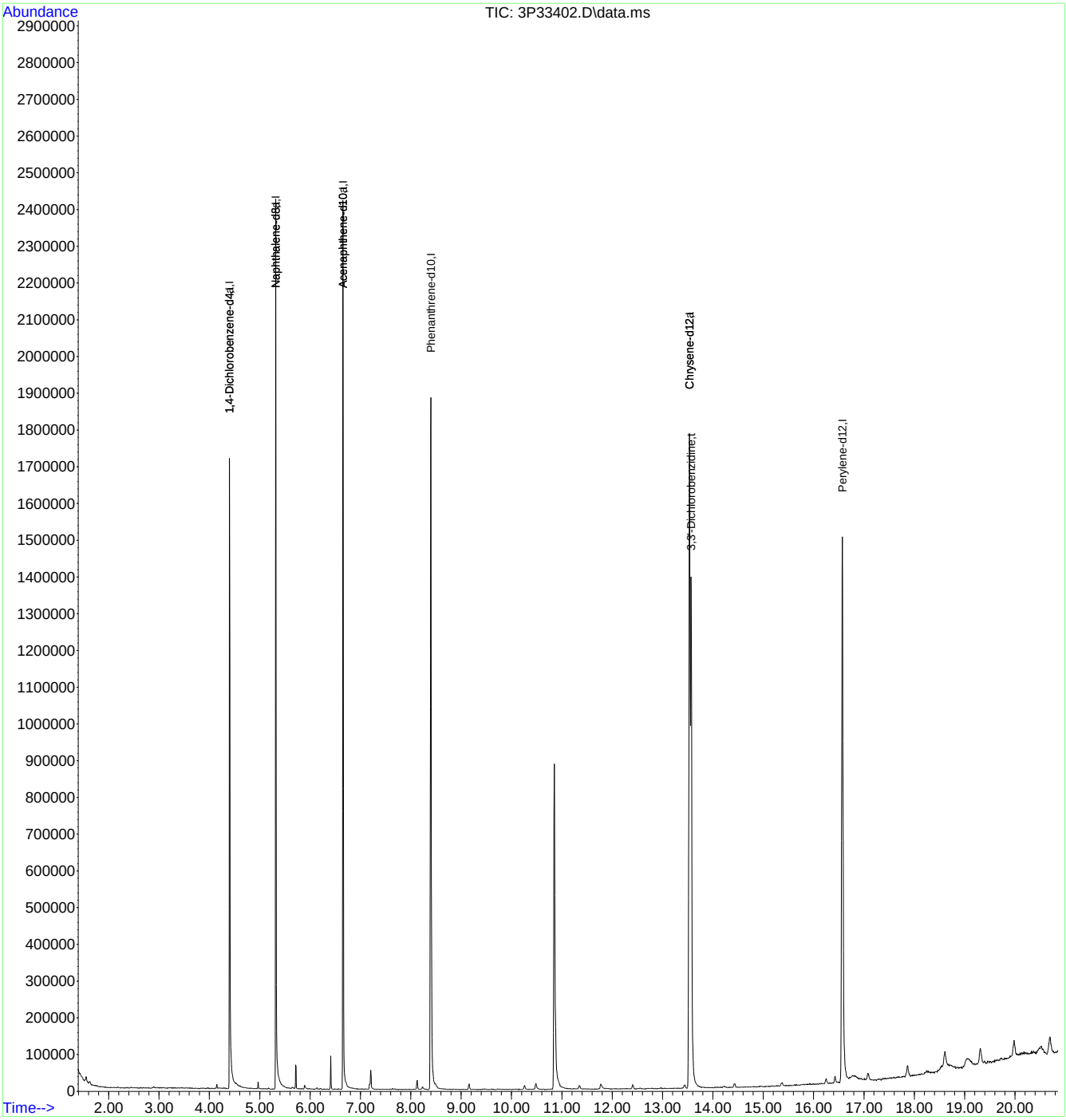
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	255029	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	870828	40.00	ppb	0.00
47) Acenaphthene-d10	6.655	164	548614	40.00	ppb	0.00
69) Phenanthrene-d10	8.399	188	1010240	40.00	ppb	0.00
83) Chrysene-d12	13.534	240	1201114	40.00	ppb	-0.04
91) Perylene-d12	16.572	264	1090063	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	255029	40.00	ppb	0.00
103) Acenaphthene-d10a	6.655	164	548614	40.00	ppb	0.00
106) Chrysene-d12a	13.534	240	1201114	40.00	ppb	-0.04
108) Naphthalene-d8a	5.318	136	870828	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	0d	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
88) 3,3'-Dichlorobenzidine	13.571	252	567533	48.28	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1427\
Data File : 3P33402.D
Acq On : 2 Jul 2014 11:33 pm
Operator : ashleyd
Sample : icv1427-50
Misc : op75725,e3p1427
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 03 10:42:29 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1428\
Data File : 3P33408.D
Acq On : 3 Jul 2014 11:22 am
Operator : samtap
Sample : icv1427-50
Misc : op75725,e3p1428
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 11:54:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration

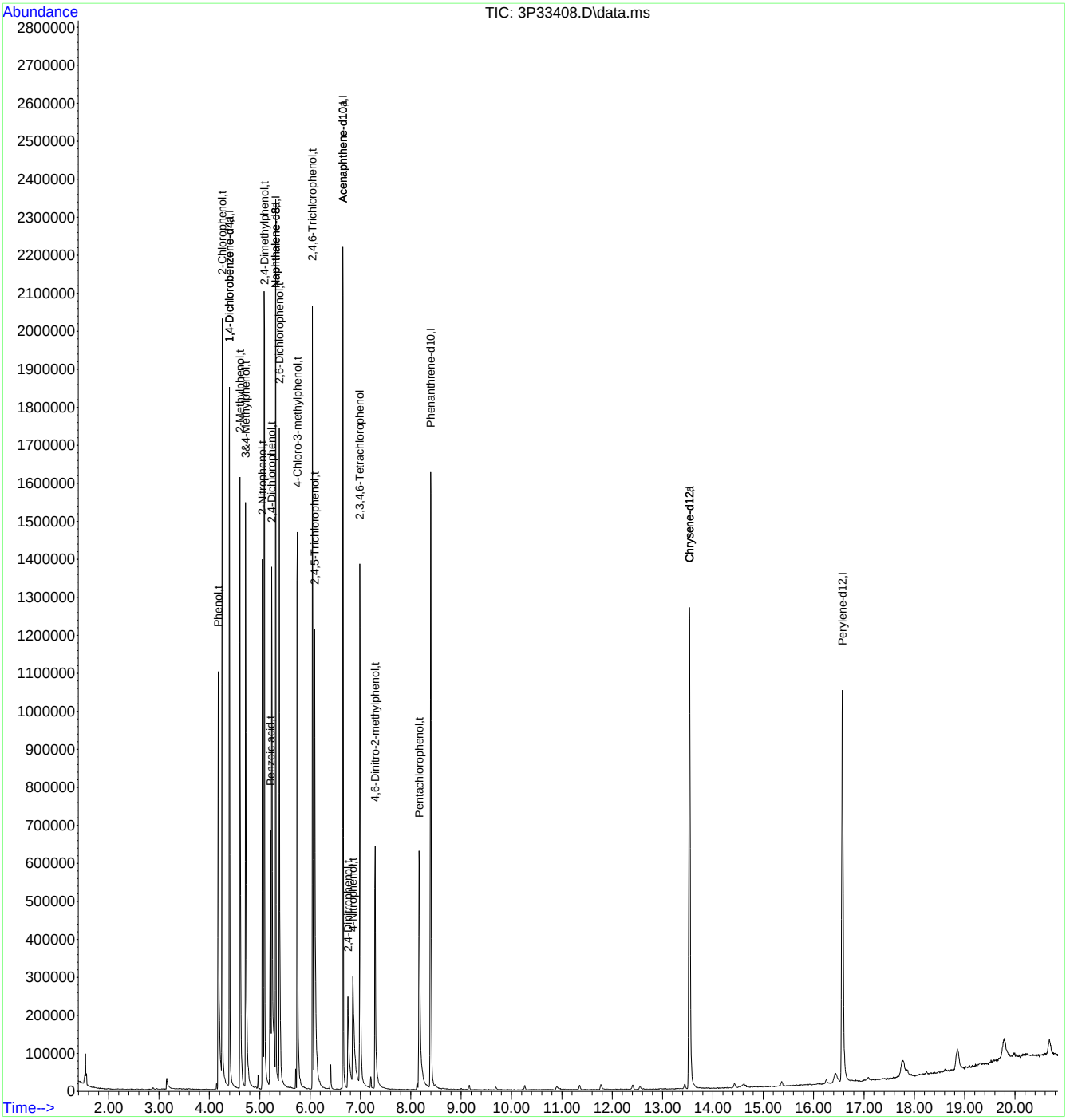
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.398	152	250790	40.00	ppb	0.00
24) Naphthalene-d8	5.318	136	776876	40.00	ppb	0.00
47) Acenaphthene-d10	6.650	164	472530	40.00	ppb	0.00
69) Phenanthrene-d10	8.394	188	802159	40.00	ppb	-0.01
83) Chrysene-d12	13.534	240	898014	40.00	ppb	-0.04
91) Perylene-d12	16.572	264	796315	40.00	ppb	-0.03
101) 1,4-Dichlorobenzene-d4a	4.398	152	250790	40.00	ppb	0.00
103) Acenaphthene-d10a	6.650	164	472530	40.00	ppb	0.00
106) Chrysene-d12a	13.534	240	898014	40.00	ppb	-0.04
108) Naphthalene-d8a	5.318	136	776876	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	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
9) Phenol	4.173	94	451203	49.98	ppb	92
12) 2-Chlorophenol	4.254	128	402992	54.01	ppb	98
19) 2-Methylphenol	4.607	108	322210	52.52	ppb	100
21) 3&4-Methylphenol	4.719	108	328231	53.11	ppb	99
29) 2-Nitrophenol	5.051	139	206114	54.54	ppb	78
30) 2,4-Dimethylphenol	5.093	107	368351	65.01	ppb	94
31) Benzoic acid	5.216	105	211383	44.28	ppb	95
33) 2,4-Dichlorophenol	5.238	162	332742	53.06	ppb	98
34) 2,6-Dichlorophenol	5.388	162	324903	54.11	ppb	100
43) 4-Chloro-3-methylphenol	5.746	107	287326	50.68	ppb	98
49) 2,4,6-Trichlorophenol	6.045	196	263347	56.81	ppb	97
50) 2,4,5-Trichlorophenol	6.088	196	286266	54.32	ppb	99
60) 2,4-Dinitrophenol	6.751	184	74669	36.89	ppb	93
61) 4-Nitrophenol	6.848	109	96585	55.86	ppb #	1
64) 2,3,4,6-Tetrachlorophenol	6.987	232	231619	57.27	ppb	98
70) 4,6-Dinitro-2-methylph...	7.292	198	130579	49.37	ppb	95
76) Pentachlorophenol	8.169	266	153596	56.17	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1428\
Data File : 3P33408.D
Acq On : 3 Jul 2014 11:22 am
Operator : samtap
Sample : icv1427-50
Misc : op75725,e3p1428
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 11:54:54 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 03 09:26:53 2014
Response via : Initial Calibration



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ACCUTEST LABORATORIES
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33585.D
Acq On : 9 Jul 2014 2:38 pm
Operator : samtap
Sample : cc1427-50
Misc : op76156,e3p1436
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 09 17:18:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 09 16:46:40 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.339	152	295531	40.00	ppb	0.00
24) Naphthalene-d8	5.264	136	899526	40.00	ppb	0.00
47) Acenaphthene-d10	6.580	164	561978	40.00	ppb	0.00
69) Phenanthrene-d10	8.292	188	1054226	40.00	ppb	0.00
83) Chrysene-d12	13.437	240	1215295	40.00	ppb	0.00
91) Perylene-d12	16.459	264	1028871	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.339	152	295531	40.00	ppb	0.00
103) Acenaphthene-d10a	6.580	164	561978	40.00	ppb	0.00
106) Chrysene-d12a	13.437	240	1215295	40.00	ppb	0.00
108) Naphthalene-d8a	5.264	136	899526	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.376	112	401152	49.87	ppb	0.00
Spiked Amount 50.000			Recovery = 99.74%			
8) Phenol-d5	4.115	99	480951	51.20	ppb	0.00
Spiked Amount 50.000			Recovery = 102.40%			
25) Nitrobenzene-d5	4.756	82	392117	49.76	ppb	0.00
Spiked Amount 50.000			Recovery = 99.52%			
51) 2-Fluorobiphenyl	6.035	172	858681	48.42	ppb	0.00
Spiked Amount 50.000			Recovery = 96.84%			
73) 2,4,6-Tribromophenol	7.393	330	151932	48.54	ppb	0.00
Spiked Amount 50.000			Recovery = 97.08%			
85) Terphenyl-d14	11.260	244	1126518	46.59	ppb	0.00
Spiked Amount 50.000			Recovery = 93.18%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.772	88	177631	55.44	ppb	98
3) Pyridine	2.119	79	401882	54.06	ppb	98
4) N-Nitrosodimethylamine	2.087	42	237372	51.37	ppb	99
6) Indene	4.532	116	639141	47.07	ppb	98
7) Cumene	3.735	105	1060349	49.46	ppb	98
9) Phenol	4.125	94	552101	51.90	ppb	92
10) Aniline	4.109	93	513235	52.14	ppb	93
11) bis(2-Chloroethyl)ether	4.152	93	344090	45.79	ppb	99
12) 2-Chlorophenol	4.200	128	431084	49.03	ppb	98
13) Decane	4.227	43	340787	46.88	ppb	95
14) 1,3-Dichlorobenzene	4.302	146	505434	46.45	ppb	98
15) 1,4-Dichlorobenzene	4.355	146	512334	46.65	ppb	99
16) Benzyl alcohol	4.462	108	246764	49.93	ppb	97
17) 1,2-Dichlorobenzene	4.468	146	472942	46.31	ppb	98
18) Acetophenone	4.644	105	523312	45.87	ppb	98
19) 2-Methylphenol	4.558	108	324847	44.93	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.548	45	368779	46.47	ppb	95
21) 3&4-Methylphenol	4.671	108	345152	47.39	ppb	98
22) n-Nitroso-di-n-propyla...	4.649	70	248165	46.00	ppb	95
23) Hexachloroethane	4.708	201	207919	43.12	ppb	93
26) Nitrobenzene	4.767	77	393134	47.87	ppb	98
27) Quinoline	5.527	129	674792	48.65	ppb	98
28) Isophorone	4.938	82	627781	47.15	ppb	98
29) 2-Nitrophenol	4.997	139	225859	51.61	ppb	93
30) 2,4-Dimethylphenol	5.045	107	336000	51.21	ppb	97
31) Benzoic acid	5.168	105	260331	47.10	ppb	97
32) bis(2-Chloroethoxy)met...	5.093	93	369630	51.09	ppb	99
33) 2,4-Dichlorophenol	5.184	162	340389	46.88	ppb	96
34) 2,6-Dichlorophenol	5.334	162	335922	48.32	ppb	99
35) 1,3,5-Trichlorobenzene	5.002	180	475418	48.49	ppb	99
36) 1,2,4-Trichlorobenzene	5.227	180	420789	46.43	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33585.D
Acq On : 9 Jul 2014 2:38 pm
Operator : samtap
Sample : cc1427-50
Misc : op76156,e3p1436
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 09 17:18:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 09 16:46:40 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	1,2,3-Trichlorobenzene	5.388	180	409301	46.12	ppb		97
38)	Naphthalene	5.281	128	1010862	47.38	ppb		99
39)	4-Chloroaniline	5.329	127	432388	49.81	ppb		98
40)	2,3-Dichloroaniline	5.981	161	428383	47.91	ppb		98
41)	Caprolactam	5.601	113	98752	49.45	ppb		91
42)	Hexachlorobutadiene	5.366	225	274153	45.45	ppb		97
43)	4-Chloro-3-methylphenol	5.698	107	306741	46.73	ppb		98
44)	2-Methylnaphthalene	5.773	141	653511	49.42	ppb		98
45)	1-Methylnaphthalene	5.842	141	655752	47.44	ppb		100
46)	Dimethylnaphthalene	6.233	156	691886	48.36	ppb		99
48)	Hexachlorocyclopentadiene	5.885	237	344068	95.67	ppb		98
49)	2,4,6-Trichlorophenol	5.992	196	271187	49.19	ppb		99
50)	2,4,5-Trichlorophenol	6.035	196	292204	46.62	ppb		98
52)	2-Chloronaphthalene	6.131	162	731179	47.87	ppb		99
53)	Biphenyl	6.110	154	916467	49.21	ppb		99
54)	2-Nitroaniline	6.222	65	208080	48.34	ppb		93
55)	Dimethylphthalate	6.356	163	808417	47.68	ppb		100
56)	Acenaphthylene	6.457	152	1134177	48.98	ppb		99
57)	2,6-Dinitrotoluene	6.409	165	191261	50.39	ppb		99
58)	3-Nitroaniline	6.564	138	193758	49.25	ppb		97
59)	Acenaphthene	6.612	153	699752	49.27	ppb		97
60)	2,4-Dinitrophenol	6.671	184	231953	96.35	ppb		96
61)	4-Nitrophenol	6.773	109	94043	45.74	ppb	#	1
62)	Dibenzofuran	6.773	168	1038806	48.37	ppb		97
63)	2,4-Dinitrotoluene	6.784	165	260975	50.80	ppb		83
64)	2,3,4,6-Tetrachlorophenol	6.912	232	233396	48.52	ppb		98
65)	Diethylphthalate	7.003	149	803767	48.27	ppb		99
66)	Fluorene	7.115	166	851069	48.63	ppb		99
67)	4-Chlorophenyl-phenyle...	7.115	204	460889	48.44	ppb		96
68)	4-Nitroaniline	7.169	138	176982	50.81	ppb		99
70)	4,6-Dinitro-2-methylph...	7.211	198	154322	44.40	ppb		93
71)	n-Nitrosodiphenylamine	7.249	169	547655	47.48	ppb		98
72)	1,2-Diphenylhydrazine	7.292	77	724788	45.56	ppb		97
74)	4-Bromophenyl-phenylether	7.687	248	296375	46.48	ppb		96
75)	Hexachlorobenzene	7.778	284	349075	45.88	ppb		94
76)	Pentachlorophenol	8.062	266	325625	90.60	ppb		98
77)	Phenanthrene	8.324	178	1216437	47.41	ppb		99
78)	Anthracene	8.399	178	1237723	48.24	ppb		98
79)	Carbazole	8.677	167	1139095	47.15	ppb		99
80)	Di-n-butylphthalate	9.329	149	1389469	47.32	ppb		99
81)	Fluoranthene	10.362	202	1483247	46.55	ppb		99
82)	Octadecane	8.206	57	401501	48.92	ppb		99
84)	Pyrene	10.811	202	1502519	45.46	ppb		99
86)	Butylbenzylphthalate	12.410	149	614768	46.74	ppb		98
87)	Benzo[a]anthracene	13.416	228	1457386	43.66	ppb		99
88)	3,3'-Dichlorobenzidine	13.469	252	553910	46.58	ppb		98
89)	Chrysene	13.496	228	1271237	44.30	ppb		99
90)	bis(2-Ethylhexyl)phtha...	13.801	149	815208	46.83	ppb		100
92)	Di-n-octylphthalate	15.240	149	1435693	48.51	ppb		99
93)	Benzo[b]fluoranthene	15.721	252	1478853	47.98	ppb		97
94)	Benzo[k]fluoranthene	15.769	252	1357396	45.44	ppb		99
95)	Benzo[a]pyrene	16.347	252	1250214	45.62	ppb		98
96)	Indeno[1,2,3-cd]pyrene	18.417	276	1239355	44.52	ppb		97
97)	Dibenz(a,h)acridine	18.048	279	1146571	47.81	ppb		99
98)	Dibenz[a,h]anthracene	18.460	278	1210608	46.08	ppb		99
99)	7,12-Dimethylbenz(a)an...	15.710	256	691943	44.34	ppb		98
100)	Benzo[g,h,i]perylene	18.839	276	1159207	45.83	ppb		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33585.D
Acq On : 9 Jul 2014 2:38 pm
Operator : samtap
Sample : cc1427-50
Misc : op76156,e3p1436
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 09 17:18:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 09 16:46:40 2014
Response via : Initial Calibration

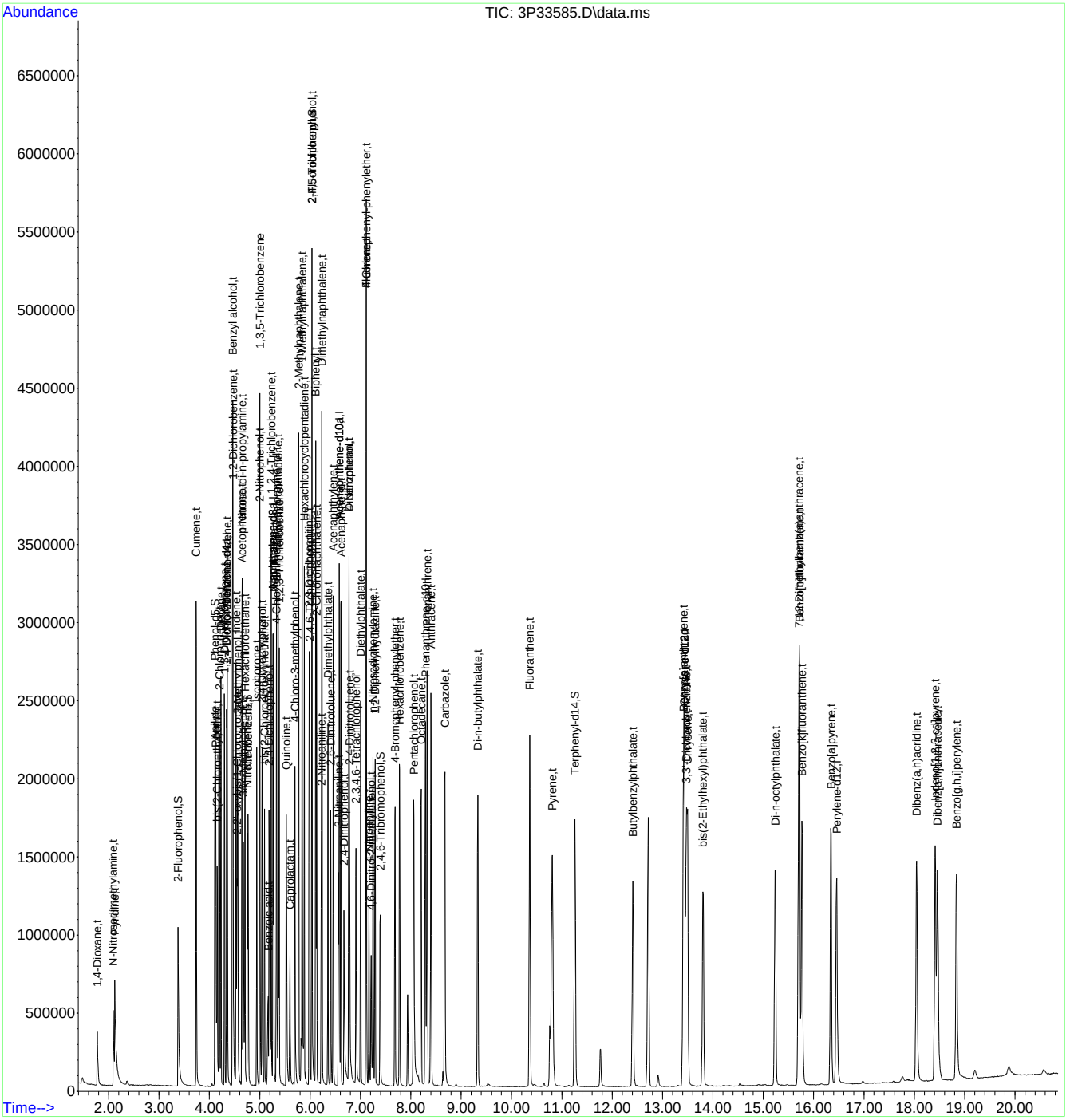
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33585.D
Acq On : 9 Jul 2014 2:38 pm
Operator : samtap
Sample : cc1427-50
Misc : op76156,e3p1436
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 09 17:18:14 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 09 16:46:40 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33586.D
Acq On : 9 Jul 2014 3:09 pm
Operator : samtap
Sample : cc1390-50
Misc : op76156,e3p1436
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 09 17:10:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 09 17:09:00 2014
Response via : Initial Calibration

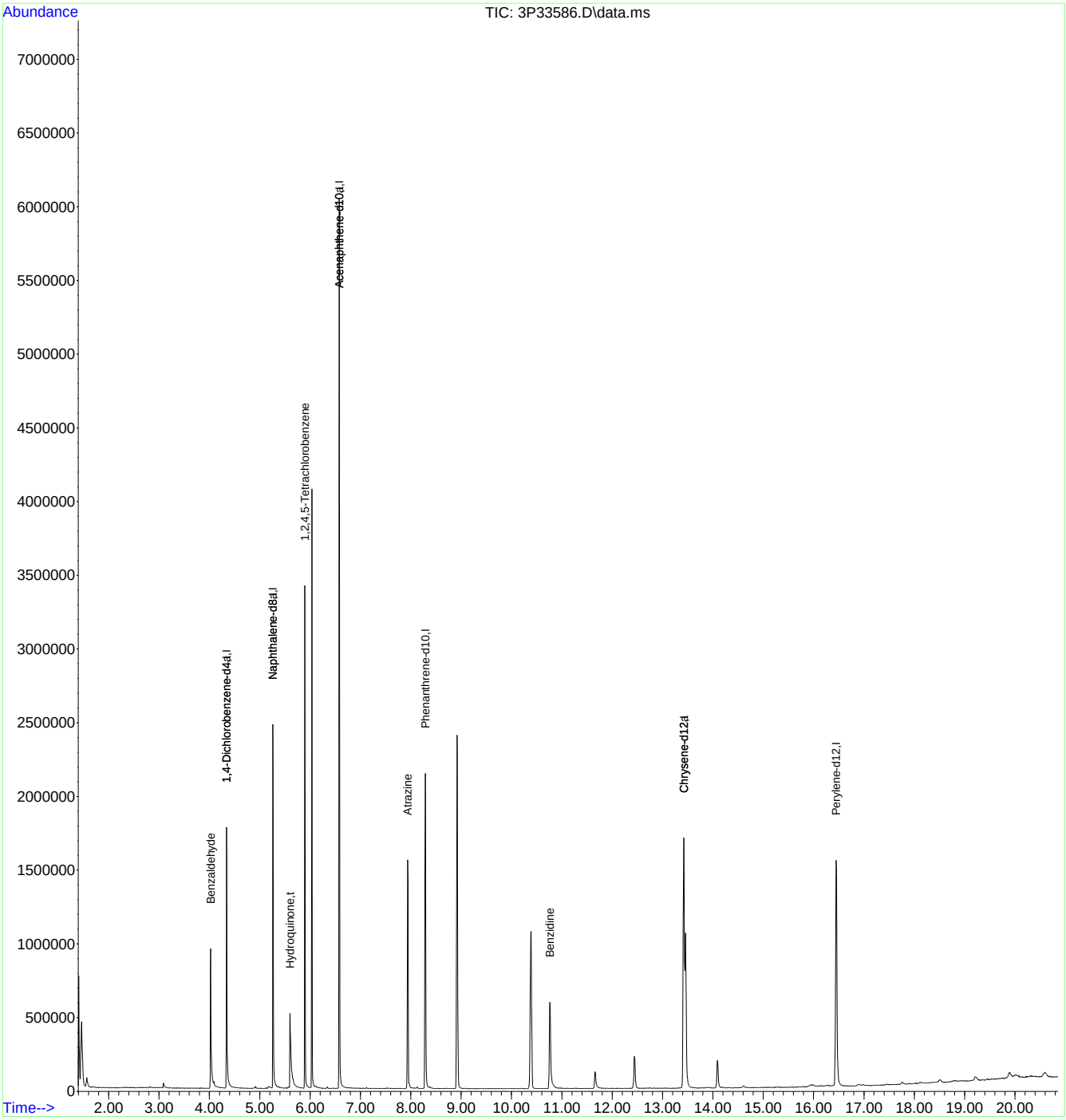
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.339	152	273927	40.00	ppb	0.00
24) Naphthalene-d8	5.259	136	942960	40.00	ppb	0.00
47) Acenaphthene-d10	6.580	164	581001	40.00	ppb	0.00
69) Phenanthrene-d10	8.287	188	1008409	40.00	ppb	0.00
83) Chrysene-d12	13.421	240	1159565	40.00	ppb	0.00
91) Perylene-d12	16.449	264	1075340	40.00	ppb	0.00
101) 1,4-Dichlorobenzene-d4a	4.339	152	273927	40.00	ppb	0.00
103) Acenaphthene-d10a	6.580	164	581001	40.00	ppb	0.00
106) Chrysene-d12a	13.421	240	1159565	40.00	ppb	0.00
108) Naphthalene-d8a	5.259	136	942960	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	0d	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	0d	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
102) Benzaldehyde	4.024	105	230867	39.83	ppb	94
104) Atrazine	7.939	215	125839	56.44	ppb	97
105) 1,2,4,5-Tetrachloroben...	5.896	216	465904	55.67	ppb	99
107) Benzidine	10.763	184	480127	32.44	ppb	99
109) Hydroquinone	5.602	110	334294	50.51	ppb	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1436\
Data File : 3P33586.D
Acq On : 9 Jul 2014 3:09 pm
Operator : samtap
Sample : cc1390-50
Misc : op76156,e3p1436
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 09 17:10:13 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Wed Jul 09 17:09:00 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33703a.D
Acq On : 11 Jul 2014 4:31 pm
Operator : francism
Sample : cc1427-50
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 16:56:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.328	152	238033	40.00	ppb	-0.01
24) Naphthalene-d8	5.248	136	773401	40.00	ppb	-0.01
47) Acenaphthene-d10	6.559	164	506543	40.00	ppb	-0.02
69) Phenanthrene-d10	8.260	188	979631	40.00	ppb	-0.03
83) Chrysene-d12	13.357	240	1346912	40.00	ppb	-0.03
91) Perylene-d12	16.395	264	1211419	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.328	152	238033	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.559	164	506543	40.00	ppb	-0.02
106) Chrysene-d12a	13.357	240	1346912	40.00	ppb	-0.03
108) Naphthalene-d8a	5.248	136	773401	40.00	ppb	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.371	112	280736	43.33	ppb	-0.01
Spiked Amount 50.000			Recovery = 86.66%			
8) Phenol-d5	4.109	99	360342	47.63	ppb	0.00
Spiked Amount 50.000			Recovery = 95.26%			
25) Nitrobenzene-d5	4.740	82	327535	48.35	ppb	-0.01
Spiked Amount 50.000			Recovery = 96.70%			
51) 2-Fluorobiphenyl	6.019	172	744070	46.55	ppb	-0.02
Spiked Amount 50.000			Recovery = 93.10%			
73) 2,4,6-Tribromophenol	7.372	330	142038	48.83	ppb	-0.02
Spiked Amount 50.000			Recovery = 97.66%			
85) Terphenyl-d14	11.175	244	1133909	42.32	ppb	-0.03
Spiked Amount 50.000			Recovery = 84.64%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.761	88	113728	44.07	ppb	97
3) Pyridine	2.114	79	261108	43.61	ppb	96
4) N-Nitrosodimethylamine	2.077	42	177373	47.66	ppb	83
6) Indene	4.516	116	520990	47.64	ppb	95
7) Cumene	3.724	105	833285	48.26	ppb	99
9) Phenol	4.120	94	422683	49.33	ppb	99
10) Aniline	4.093	93	384468	48.49	ppb	90
11) bis(2-Chloroethyl)ether	4.141	93	266924	44.10	ppb	98
12) 2-Chlorophenol	4.189	128	340400	48.06	ppb	98
13) Decane	4.216	43	272449	46.53	ppb	97
14) 1,3-Dichlorobenzene	4.286	146	402392	45.91	ppb	100
15) 1,4-Dichlorobenzene	4.339	146	408691	46.20	ppb	98
16) Benzyl alcohol	4.451	108	191476	48.10	ppb	95
17) 1,2-Dichlorobenzene	4.451	146	386908	47.04	ppb	99
18) Acetophenone	4.633	105	435129	47.35	ppb	97
19) 2-Methylphenol	4.548	108	264017	45.34	ppb	99
20) 2,2'-oxybis(1-Chloropr...	4.537	45	294804	46.12	ppb	96
21) 3&4-Methylphenol	4.665	108	282281	48.12	ppb	95
22) n-Nitroso-di-n-propyla...	4.633	70	213296	49.08	ppb	91
23) Hexachloroethane	4.692	201	178911	46.07	ppb	99
26) Nitrobenzene	4.756	77	343225	48.61	ppb	97
27) Quinoline	5.516	129	590231	49.49	ppb	98
28) Isophorone	4.922	82	533987	46.65	ppb	93
29) 2-Nitrophenol	4.986	139	176195	46.83	ppb #	73
30) 2,4-Dimethylphenol	5.034	107	283888	50.33	ppb	90
31) Benzoic acid	5.141	105	226207	47.60	ppb	96
32) bis(2-Chloroethoxy)met...	5.077	93	291119	46.80	ppb	98
33) 2,4-Dichlorophenol	5.179	162	297751	47.69	ppb	99
34) 2,6-Dichlorophenol	5.323	162	290676	48.63	ppb	98
35) 1,3,5-Trichlorobenzene	4.986	180	398006	47.21	ppb	96
36) 1,2,4-Trichlorobenzene	5.211	180	367985	47.23	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33703a.D
Acq On : 11 Jul 2014 4:31 pm
Operator : francism
Sample : cc1427-50
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 16:56:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37)	1,2,3-Trichlorobenzene	5.371	180	352476	46.20	ppb		96
38)	Naphthalene	5.264	128	859497	46.86	ppb		99
39)	4-Chloroaniline	5.318	127	361370	48.42	ppb		98
40)	2,3-Dichloroaniline	5.965	161	370868	48.24	ppb		97
41)	Caprolactam	5.575	113	87892	51.19	ppb		87
42)	Hexachlorobutadiene	5.350	225	239772	46.23	ppb		97
43)	4-Chloro-3-methylphenol	5.687	107	273252	48.42	ppb		96
44)	2-Methylnaphthalene	5.757	141	542185	47.69	ppb		98
45)	1-Methylnaphthalene	5.826	141	567757	47.77	ppb		98
46)	Dimethylnaphthalene	6.217	156	592490	48.16	ppb		98
48)	Hexachlorocyclopentadiene	5.869	237	265013	85.56	ppb		99
49)	2,4,6-Trichlorophenol	5.976	196	239766	48.25	ppb		99
50)	2,4,5-Trichlorophenol	6.024	196	269715	47.74	ppb		96
52)	2-Chloronaphthalene	6.110	162	635171	46.13	ppb		94
53)	Biphenyl	6.094	154	783084	46.65	ppb		98
54)	2-Nitroaniline	6.206	65	188544	48.59	ppb		99
55)	Dimethylphthalate	6.334	163	726974	47.57	ppb		100
56)	Acenaphthylene	6.441	152	982543	47.08	ppb		99
57)	2,6-Dinitrotoluene	6.393	165	171449	50.11	ppb		97
58)	3-Nitroaniline	6.548	138	175076	49.37	ppb		98
59)	Acenaphthene	6.591	153	616753	48.18	ppb		98
60)	2,4-Dinitrophenol	6.660	184	199886	92.12	ppb		95
61)	4-Nitrophenol	6.767	109	93626	50.52	ppb	#	1
62)	Dibenzofuran	6.751	168	912433	47.14	ppb		98
63)	2,4-Dinitrotoluene	6.767	165	238510	51.50	ppb		86
64)	2,3,4,6-Tetrachlorophenol	6.896	232	211834	48.86	ppb		99
65)	Diethylphthalate	6.981	149	718155	47.85	ppb		99
66)	Fluorene	7.094	166	747548	47.39	ppb		100
67)	4-Chlorophenyl-phenyle...	7.094	204	400730	46.73	ppb		97
68)	4-Nitroaniline	7.147	138	168462	53.66	ppb		96
70)	4,6-Dinitro-2-methylph...	7.195	198	141129	43.69	ppb		96
71)	n-Nitrosodiphenylamine	7.227	169	497840	46.45	ppb		98
72)	1,2-Diphenylhydrazine	7.265	77	679208	45.94	ppb		97
74)	4-Bromophenyl-phenylether	7.661	248	275776	46.54	ppb		98
75)	Hexachlorobenzene	7.752	284	318733	45.08	ppb		95
76)	Pentachlorophenol	8.035	266	310655	93.02	ppb		96
77)	Phenanthrene	8.297	178	1132308	47.49	ppb		99
78)	Anthracene	8.372	178	1127949	47.31	ppb		99
79)	Carbazole	8.650	167	1090638	48.58	ppb		98
80)	Di-n-butylphthalate	9.297	149	1302209	47.72	ppb		100
81)	Fluoranthene	10.330	202	1483705	50.11	ppb		100
82)	Octadecane	8.174	57	356630	46.76	ppb		97
84)	Pyrene	10.752	202	1534388	41.88	ppb		99
86)	Butylbenzylphthalate	12.325	149	638776	43.82	ppb		98
87)	Benzo[a]anthracene	13.341	228	1594234	43.09	ppb		99
88)	3,3'-Dichlorobenzidine	13.389	252	620345	47.06	ppb		96
89)	Chrysene	13.416	228	1411212	44.38	ppb		99
90)	bis(2-Ethylhexyl)phtha...	13.731	149	817702	42.38	ppb		99
92)	Di-n-octylphthalate	15.165	149	1509530	43.32	ppb		99
93)	Benzo[b]fluoranthene	15.657	252	1669007	45.99	ppb		97
94)	Benzo[k]fluoranthene	15.705	252	1554139	44.19	ppb		99
95)	Benzo[a]pyrene	16.283	252	1445156	44.79	ppb		99
96)	Indeno[1,2,3-cd]pyrene	18.363	276	1472117	44.91	ppb		99
97)	Dibenz(a,h)acridine	17.994	279	1326380	46.98	ppb		99
98)	Dibenz[a,h]anthracene	18.406	278	1399452	45.24	ppb		99
99)	7,12-Dimethylbenz(a)an...	15.641	256	769295	42.03	ppb		98
100)	Benzo[g,h,i]perylene	18.786	276	1327068	44.56	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33703a.D
Acq On : 11 Jul 2014 4:31 pm
Operator : francism
Sample : cc1427-50
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 16:56:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration

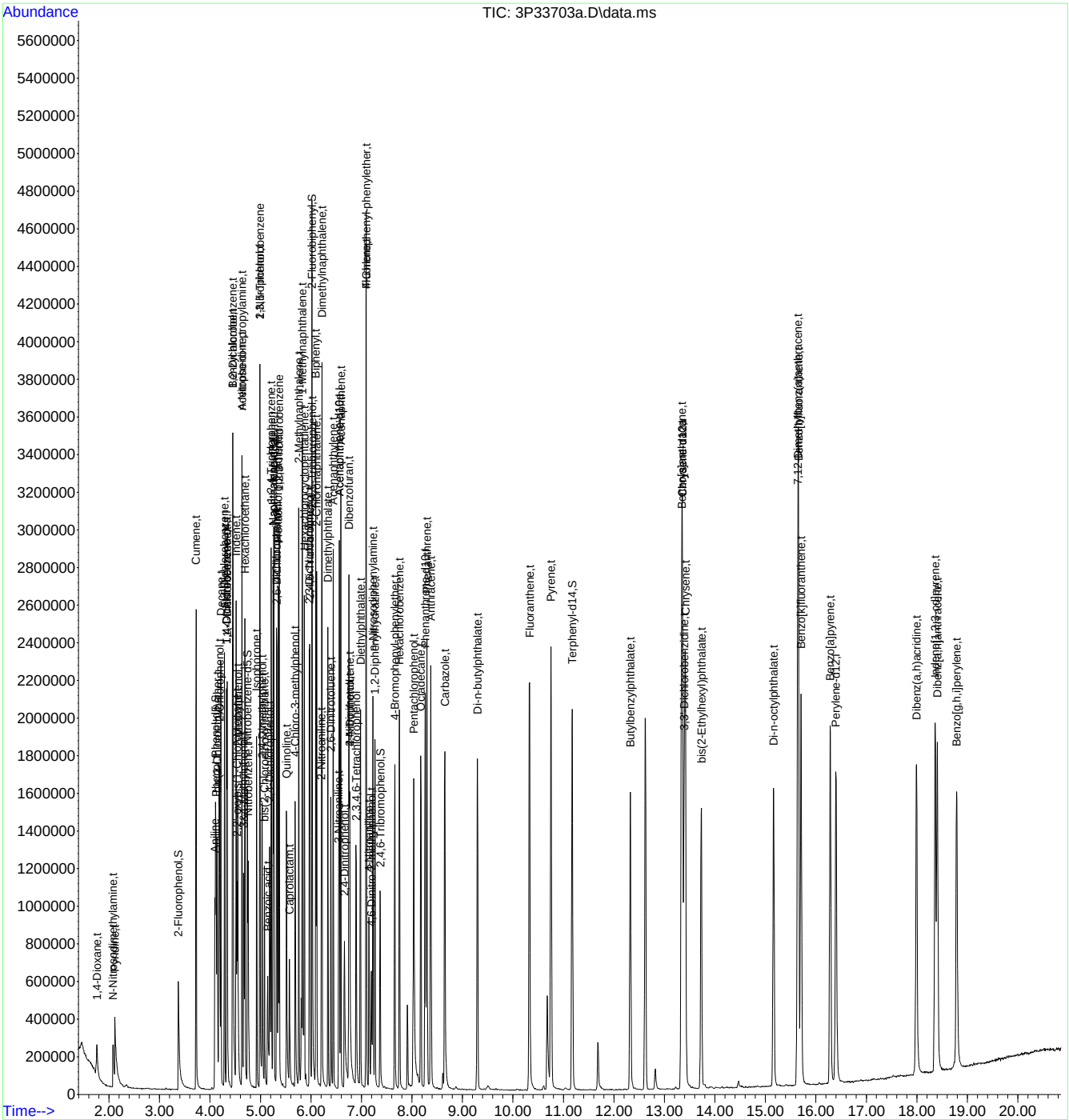
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1442\
Data File : 3P33703a.D
Acq On : 11 Jul 2014 4:31 pm
Operator : francism
Sample : cc1427-50
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 11 16:56:38 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 09:46:28 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1441\
Data File : 3P33704.D
Acq On : 11 Jul 2014 5:00 pm
Operator : francism
Sample : cc1390-50
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 11:40:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 10:00:32 2014
Response via : Initial Calibration

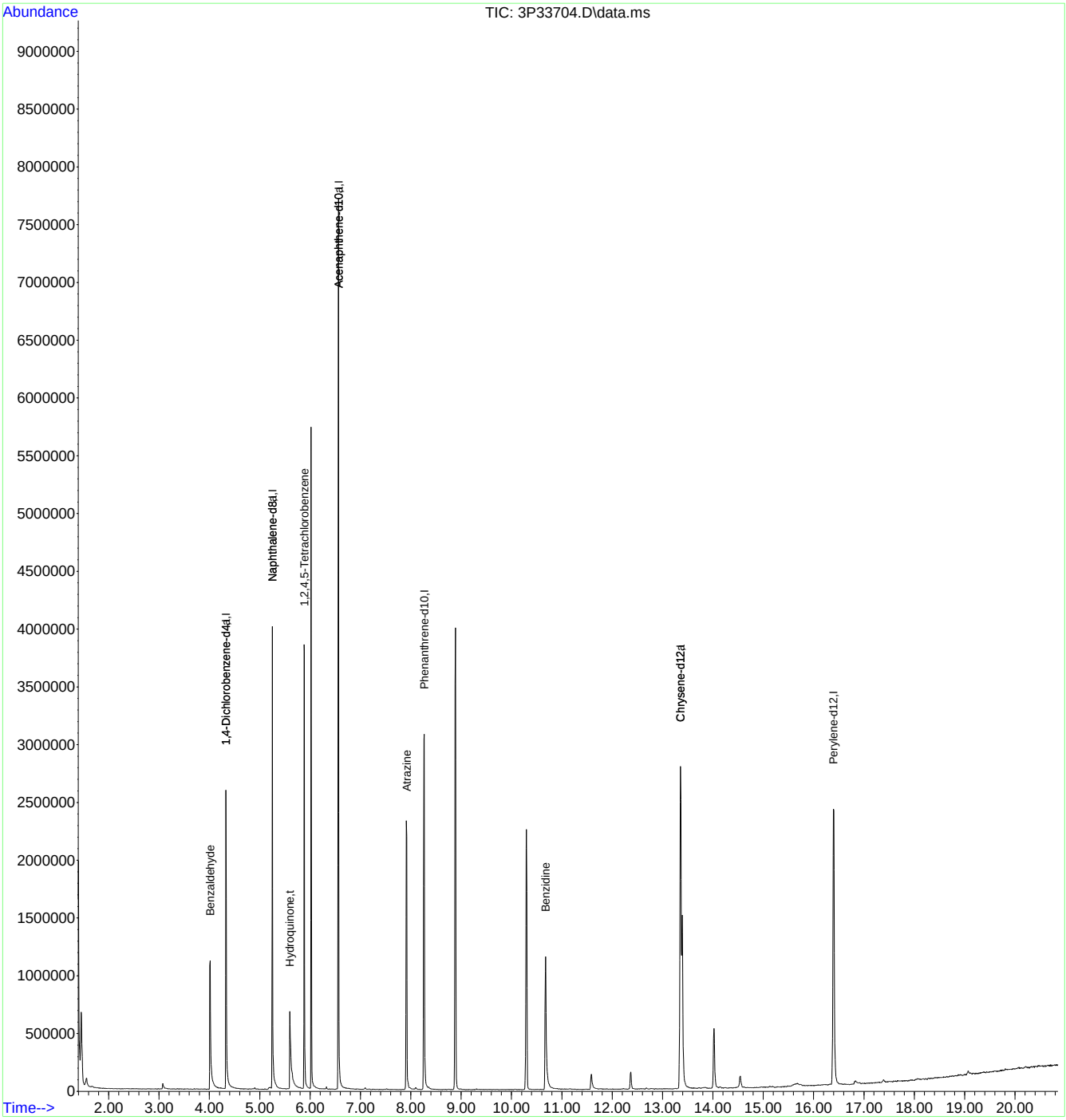
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.329	152	389317	40.00	ppb	-0.01
24) Naphthalene-d8	5.249	136	1375845	40.00	ppb	-0.01
47) Acenaphthene-d10	6.564	164	852564	40.00	ppb	-0.02
69) Phenanthrene-d10	8.265	188	1488227	40.00	ppb	-0.02
83) Chrysene-d12	13.357	240	1816846	40.00	ppb	-0.03
91) Perylene-d12	16.395	264	1719782	40.00	ppb	-0.02
101) 1,4-Dichlorobenzene-d4a	4.329	152	389317	40.00	ppb	-0.01
103) Acenaphthene-d10a	6.564	164	852564	40.00	ppb	-0.02
106) Chrysene-d12a	13.357	240	1816846	40.00	ppb	-0.03
108) Naphthalene-d8a	5.249	136	1375845	40.00	ppb	-0.01
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	0d	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
102) Benzaldehyde	4.013	105	309969	37.63	ppb	93
104) Atrazine	7.918	215	195413	59.73	ppb	95
105) 1,2,4,5-Tetrachloroben...	5.885	216	682113	55.54	ppb	97
107) Benzidine	10.677	184	845664	36.47	ppb	98
109) Hydroquinone	5.596	110	481416	49.85	ppb	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\E3P1441\
Data File : 3P33704.D
Acq On : 11 Jul 2014 5:00 pm
Operator : francism
Sample : cc1390-50
Misc : op76295,e3p1441,1000,,,1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 12 11:40:57 2014
Quant Method : C:\MSDCHEM\1\METHODS\M3P1427.M
Quant Title : Semi Volatile Extractables by GC/MS
QLast Update : Thu Jul 10 10:00:32 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.906	152	86877	40.00	ppb		0.00
24) Naphthalene-d8	6.092	136	325619	40.00	ppb		0.00
47) Acenaphthene-d10	8.496	164	198975	40.00	ppb		0.00
69) Phenanthrene-d10	11.146	188	340270	40.00	ppb		0.00
83) Chrysene-d12	16.339	240	346408	40.00	ppb		0.00
92) Perylene-d12	18.956	264	274515	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	86877	40.00	ppb		0.00
104) Acenaphthene-d10a	8.496	164	198975	40.00	ppb		0.00
107) Chrysene-d12a	16.339	240	346408	40.00	ppb		0.00
110) Phenanthrene-d10a	11.146	188	340270	40.00	ppb		0.00
112) Naphthalene-d8a	6.092	136	325619	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.902	112	311699	100.30	ppb		0.00
Spiked Amount 50.000			Recovery	=	200.60%		
8) Phenol-d5	4.618	99	398540	98.90	ppb		0.00
Spiked Amount 50.000			Recovery	=	197.80%		
25) Nitrobenzene-d5	5.377	82	326440	98.52	ppb		0.00
Spiked Amount 50.000			Recovery	=	197.04%		
51) 2-Fluorobiphenyl	7.460	172	649125	96.24	ppb		0.00
Spiked Amount 50.000			Recovery	=	192.48%		
73) 2,4,6-Tribromophenol	9.864	330	80552	108.04	ppb		0.00
Spiked Amount 50.000			Recovery	=	216.08%		
86) Terphenyl-d14	14.335	244	768437	98.83	ppb		0.00
Spiked Amount 50.000			Recovery	=	197.66%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	2.470	88	142411	88.43	ppb		98
3) Pyridine	2.780	79	384636	97.57	ppb		98
4) N-Nitrosodimethylamine	2.748	42	138928	97.52	ppb		92
6) Indene	5.120	116	536520	95.96	ppb		99
7) Cumene	4.297	105	784836	98.13	ppb		99
9) Phenol	4.629	94	466378	100.71	ppb		98
10) Aniline	4.645	93	502406	96.28	ppb		100
11) bis(2-Chloroethyl)ether	4.693	93	301711	97.18	ppb		99
12) 2-Chlorophenol	4.741	128	334743	100.23	ppb		99
13) Decane	4.778	43	228257	92.99	ppb		96
14) 1,3-Dichlorobenzene	4.864	146	344659	100.03	ppb		98
15) 1,4-Dichlorobenzene	4.922	146	351006	96.68	ppb		98
16) Benzyl alcohol	5.013	108	229485	98.85	ppb		98
17) 1,2-Dichlorobenzene	5.045	146	326807	97.53	ppb		96
18) Acetophenone	5.243	105	445810	95.79	ppb		96
19) 2-Methylphenol	5.109	108	299778	98.73	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.125	121	96320	99.20	ppb		98
21) 3&4-Methylphenol	5.238	108	310921	98.01	ppb	#	78

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.243	70	208296	91.96	ppb	99
23) Hexachloroethane	5.344	201	122727	99.64	ppb	98
26) Nitrobenzene	5.393	77	362022	97.66	ppb	99
27) Quinoline	6.504	129	669492	97.21	ppb	99
28) Isophorone	5.617	82	624815	96.72	ppb	99
29) 2-Nitrophenol	5.697	139	176656	102.65	ppb	93
30) 2,4-Dimethylphenol	5.729	107	334340	98.39	ppb	99
31) Benzoic acid	5.852	105	261575	112.44	ppb	91
32) bis(2-Chloroethoxy)met...	5.820	93	352015	95.11	ppb	99
33) 2,4-Dichlorophenol	5.937	162	258672	101.03	ppb	95
34) 2,6-Dichlorophenol	6.183	162	251353	98.49	ppb	98
35) 1,3,5-Trichlorobenzene	5.708	180	297649	96.63	ppb	98
36) 1,2,4-Trichlorobenzene	6.028	180	286640	96.89	ppb	99
37) 1,2,3-Trichlorobenzene	6.279	180	291395	95.96	ppb	99
38) Naphthalene	6.114	128	932549	96.28	ppb	99
39) 4-Chloroaniline	6.167	127	419435	97.70	ppb	98
40) 2,3-Dichloroaniline	7.332	161	321284	97.83	ppb	98
41) Caprolactam	6.600	55	132201	97.51	ppb	98
42) Hexachlorobutadiene	6.258	225	163745	97.33	ppb	99
43) 4-Chloro-3-methylphenol	6.749	107	299090	100.83	ppb	98
44) 2-Methylnaphthalene	6.947	141	526442	97.03	ppb	99
45) 1-Methylnaphthalene	7.081	142	600587	97.22	ppb	99
46) Dimethylnaphthalene	7.845	156	554667	98.24	ppb	99
48) Hexachlorocyclopentadiene	7.171	237	372395	214.68	ppb	99
49) 2,4,6-Trichlorophenol	7.337	196	189791	99.68	ppb	99
50) 2,4,5-Trichlorophenol	7.391	196	210483	102.08	ppb	96
52) 2-Chloronaphthalene	7.631	162	612810	97.31	ppb	99
53) Biphenyl	7.610	154	763319	95.41	ppb	99
54) 2-Nitroaniline	7.786	65	183671	103.07	ppb	96
55) Dimethylphthalate	8.096	163	660628	98.07	ppb	99
56) Acenaphthylene	8.267	152	962386	98.60	ppb	99
57) 2,6-Dinitrotoluene	8.176	165	163398	108.89	ppb	98
58) 3-Nitroaniline	8.443	138	184243	103.62	ppb	97
59) Acenaphthene	8.555	153	579435	96.20	ppb	99
60) 2,4-Dinitrophenol	8.619	184	202803	259.72	ppb	88
61) 4-Nitrophenol	8.753	109	104260	109.50	ppb	99
62) Dibenzofuran	8.844	168	830216	95.10	ppb	99
63) 2,4-Dinitrotoluene	8.844	165	219785	107.98	ppb	98
64) 2,3,4,6-Tetrachlorophenol	9.068	232	170014	105.55	ppb	96
65) Diethylphthalate	9.308	149	652300	98.82	ppb	99
66) Fluorene	9.437	166	683338	99.36	ppb	99
67) 4-Chlorophenyl-phenyle...	9.463	204	324515	97.81	ppb	99
68) 4-Nitroaniline	9.501	138	187792	103.28	ppb	99
70) 4,6-Dinitro-2-methylph...	9.554	198	140623	128.07	ppb	98
71) n-Nitrosodiphenylamine	9.682	169	457842	98.10	ppb	98
72) 1,2-Diphenylhydrazine	9.746	77	729400	98.52	ppb	99
74) 4-Bromophenyl-phenylether	10.350	248	173131	99.22	ppb	98
75) Hexachlorobenzene	10.446	284	184486	98.88	ppb	97
76) Pentachlorophenol	10.820	266	262312	215.28	ppb	97
77) Phenanthrene	11.194	178	990179	96.76	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration

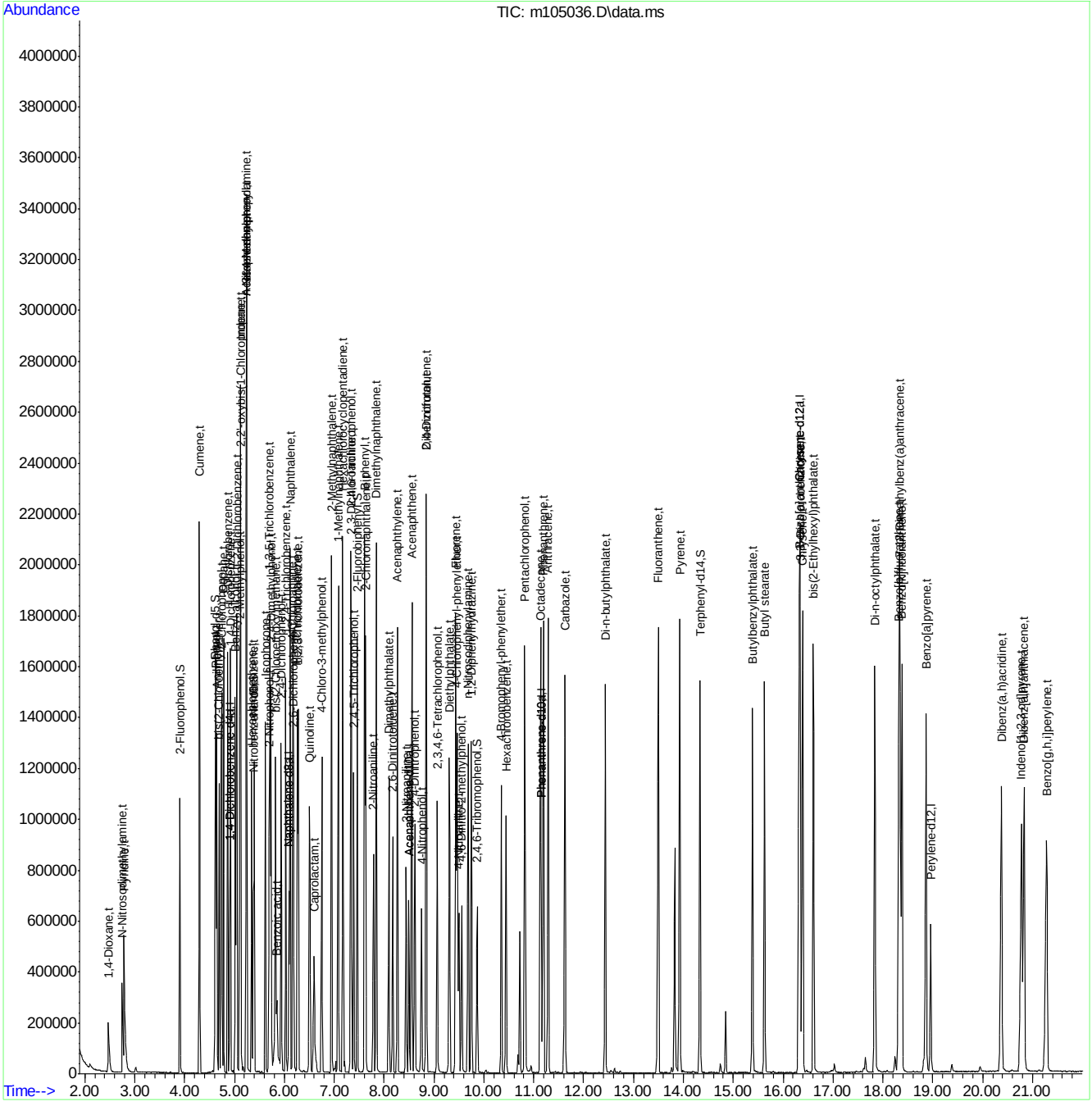
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.290	178	1017917	100.89	ppb	100
79) Carbazole	11.627	167	971620	99.20	ppb	100
80) Di-n-butylphthalate	12.434	149	1142823	102.86	ppb	100
81) Fluoranthene	13.497	202	1096740	99.27	ppb	99
82) Octadecane	11.130	57	342529	101.00	ppb	98
84) Pyrene	13.929	202	1155156	97.40	ppb	100
85) Butyl stearate	15.628	56	258806	103.69	ppb	95
87) Butylbenzylphthalate	15.388	149	526430	103.34	ppb	100
88) Benzo[a]anthracene	16.323	228	1036918	95.43	ppb	100
89) 3,3'-Dichlorobenzidine	16.344	252	377771	101.55	ppb	99
90) Chrysene	16.392	228	980429	97.31	ppb	100
91) bis(2-Ethylhexyl)phtha...	16.606	149	723442	105.36	ppb	98
93) Di-n-octylphthalate	17.840	149	1261806	109.50	ppb	100
94) Benzo[b]fluoranthene	18.321	252	990494	98.80	ppb	99
95) Benzo[k]fluoranthene	18.385	252	921334	95.98	ppb	99
96) Benzo[a]pyrene	18.871	252	863616	98.84	ppb	98
97) Indeno[1,2,3-cd]pyrene	20.778	276	797683	97.90	ppb	96
98) Dibenz(a,h)acridine	20.377	279	738181	103.64	ppb	98
99) Dibenz[a,h]anthracene	20.831	278	822976	98.34	ppb	99
100) 7,12-Dimethylbenz(a)an...	18.342	256	493604	106.70	ppb	99
101) Benzo[g,h,i]perylene	21.280	276	788048	100.26	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105036.D
Acq On : 12 Jun 2014 10:09 am
Operator : saumilp
Sample : IC4300-100
Misc : op73826,em4300
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 12 13:03:50 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:37:14 2014
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/16/14 13:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.902	152	93585	40.00	ppb		0.00
24) Naphthalene-d8	6.082	136	349559	40.00	ppb		-0.01
47) Acenaphthene-d10	8.492	164	210503	40.00	ppb		0.00
69) Phenanthrene-d10	11.136	188	364766	40.00	ppb		-0.01
83) Chrysene-d12	16.323	240	372717	40.00	ppb		-0.02
92) Perylene-d12	18.951	264	306563	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	93585	40.00	ppb		0.00
104) Acenaphthene-d10a	8.492	164	210503	40.00	ppb		0.00
107) Chrysene-d12a	16.323	240	372717	40.00	ppb		-0.02
110) Phenanthrene-d10a	11.136	188	364766	40.00	ppb		-0.01
112) Naphthalene-d8a	6.082	136	349559	40.00	ppb		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	3.897	112	3370	1.00	ppb		0.00
Spiked Amount 50.000			Recovery =	2.00%			
8) Phenol-d5	4.602	99	4744	1.11	ppb		-0.02
Spiked Amount 50.000			Recovery =	2.22%			
25) Nitrobenzene-d5	5.366	82	3670	1.05	ppb		-0.01
Spiked Amount 50.000			Recovery =	2.10%			
51) 2-Fluorobiphenyl	7.450	172	7746	1.13	ppb		-0.01
Spiked Amount 50.000			Recovery =	2.26%			
73) 2,4,6-Tribromophenol	9.848	330	599	0.69	ppb		-0.02
Spiked Amount 50.000			Recovery =	1.38%			
86) Terphenyl-d14	14.320	244	8309	1.00	ppb		-0.02
Spiked Amount 50.000			Recovery =	2.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
2) 1,4-Dioxane	2.482	88	2352	1.53	ppb		89
3) Pyridine	2.813	79	4779	1.15	ppb		96
4) N-Nitrosodimethylamine	2.759	42	1776	1.19	ppb		95
6) Indene	5.115	116	6826	1.18	ppb		93
7) Cumene	4.293	105	9433	1.12	ppb		94
9) Phenol	4.613	94	5134	1.02	ppb		86
10) Aniline	4.640	93	6649	1.23	ppb		99
11) bis(2-Chloroethyl)ether	4.688	93	3766	1.16	ppb		98
12) 2-Chlorophenol	4.736	128	3734	1.04	ppb		93
13) Decane	4.773	43	3107	1.26	ppb		96
14) 1,3-Dichlorobenzene	4.859	146	3842	1.03	ppb		92
15) 1,4-Dichlorobenzene	4.918	146	4448	1.18	ppb		95
16) Benzyl alcohol	5.008	108	2792	1.13	ppb		87
17) 1,2-Dichlorobenzene	5.046	146	3985	1.13	ppb		86
18) Acetophenone	5.233	105	5720	1.19	ppb		97
19) 2-Methylphenol	5.099	108	3510	1.09	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.121	121	1104	1.06	ppb		88
21) 3&4-Methylphenol	5.222	108	3797	1.13	ppb	#	65

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.228	70	3047	1.36	ppb		97
23) Hexachloroethane	5.340	201	1400	1.06	ppb		90
26) Nitrobenzene	5.388	77	4204	1.08	ppb		97
27) Quinoline	6.483	129	8085	1.12	ppb		93
28) Isophorone	5.601	82	7554	1.13	ppb		92
29) 2-Nitrophenol	5.687	139	1628	0.86	ppb		91
30) 2,4-Dimethylphenol	5.719	107	3929	1.09	ppb		95
31) Benzoic acid	5.751	105	1746	0.62	ppb	#	64
32) bis(2-Chloroethoxy)met...	5.810	93	4477	1.18	ppb		89
33) 2,4-Dichlorophenol	5.927	162	2650	0.95	ppb		89
34) 2,6-Dichlorophenol	6.168	162	2844	1.05	ppb		89
35) 1,3,5-Trichlorobenzene	5.703	180	3499	1.10	ppb		96
36) 1,2,4-Trichlorobenzene	6.023	180	3407	1.11	ppb		86
37) 1,2,3-Trichlorobenzene	6.269	180	3686	1.18	ppb		90
38) Naphthalene	6.109	128	11162	1.11	ppb		97
39) 4-Chloroaniline	6.157	127	4981	1.11	ppb		95
40) 2,3-Dichloroaniline	7.322	161	3705	1.07	ppb		96
41) Caprolactam	6.520	55	1603	1.13	ppb		87
42) Hexachlorobutadiene	6.253	225	1914	1.09	ppb		92
43) 4-Chloro-3-methylphenol	6.729	107	3163	0.99	ppb		78
44) 2-Methylnaphthalene	6.937	141	6332	1.12	ppb		94
45) 1-Methylnaphthalene	7.071	142	7177	1.11	ppb		95
46) Dimethylnaphthalene	7.829	156	6452	1.08	ppb		90
48) Hexachlorocyclopentadiene	7.167	237	2919	1.48	ppb		80
49) 2,4,6-Trichlorophenol	7.327	196	2075	1.03	ppb		86
50) 2,4,5-Trichlorophenol	7.375	196	2144	0.96	ppb		84
52) 2-Chloronaphthalene	7.615	162	7116	1.10	ppb		94
53) Biphenyl	7.594	154	9385	1.16	ppb		98
54) 2-Nitroaniline	7.770	65	1703	0.88	ppb		90
55) Dimethylphthalate	8.075	163	7584	1.09	ppb		98
56) Acenaphthylene	8.257	152	10692	1.05	ppb		99
57) 2,6-Dinitrotoluene	8.155	165	1207	0.70	ppb		71
58) 3-Nitroaniline	8.422	138	1727	0.89	ppb		98
59) Acenaphthene	8.540	153	6989	1.14	ppb		93
60) 2,4-Dinitrophenol	8.598	184	427	0.40	ppb		72
61) 4-Nitrophenol	8.721	109	809	0.73	ppb	#	80
62) Dibenzofuran	8.833	168	10457	1.19	ppb		94
63) 2,4-Dinitrotoluene	8.823	165	1679	0.72	ppb		94
64) 2,3,4,6-Tetrachlorophenol	9.058	232	1468	0.82	ppb		92
65) Diethylphthalate	9.288	149	7211	1.04	ppb		96
66) Fluorene	9.426	166	7530	1.04	ppb		92
67) 4-Chlorophenyl-phenyle...	9.453	204	3724	1.08	ppb		91
68) 4-Nitroaniline	9.458	138	1793	0.90	ppb		90
70) 4,6-Dinitro-2-methylph...	9.523	198	289	0.19	ppb	#	36
71) n-Nitrosodiphenylamine	9.667	169	5144	1.05	ppb		94
72) 1,2-Diphenylhydrazine	9.731	77	8137	1.04	ppb		91
74) 4-Bromophenyl-phenylether	10.340	248	1867	1.01	ppb		88
75) Hexachlorobenzene	10.431	284	2037	1.03	ppb		95
76) Pentachlorophenol	10.810	266	2017	1.43	ppb		80
77) Phenanthrene	11.179	178	12047	1.13	ppb		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.275	178	10660	0.98	ppb	93
79) Carbazole	11.606	167	11054	1.06	ppb	97
80) Di-n-butylphthalate	12.423	149	11191	0.91	ppb	98
81) Fluoranthene	13.481	202	12389	1.05	ppb	99
82) Octadecane	11.125	57	3441	0.94	ppb	87
84) Pyrene	13.908	202	13283	1.07	ppb	95
85) Butyl stearate	15.618	56	2306	0.83	ppb	88
87) Butylbenzylphthalate	15.378	149	4906	0.87	ppb	99
88) Benzo[a]anthracene	16.302	228	12844	1.15	ppb	96
89) 3,3'-Dichlorobenzidine	16.328	252	3690	0.91	ppb	88
90) Chrysene	16.366	228	11444	1.08	ppb	91
91) bis(2-Ethylhexyl)phtha...	16.601	149	6194	0.80	ppb	93
93) Di-n-octylphthalate	17.824	149	11334	0.80	ppb	96
94) Benzo[b]fluoranthene	18.300	252	12426	1.12	ppb	97
95) Benzo[k]fluoranthene	18.348	252	12223	1.19	ppb	99
96) Benzo[a]pyrene	18.845	252	10639	1.10	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.736	276	10226m	1.15	ppb	
98) Dibenz(a,h)acridine	20.356	279	7540	0.91	ppb	96
99) Dibenz[a,h]anthracene	20.800	278	10151	1.10	ppb	91
100) 7,12-Dimethylbenz(a)an...	18.310	256	4622	0.84	ppb	90
101) Benzo[g,h,i]perylene	21.233	276	9277	1.05	ppb	93

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

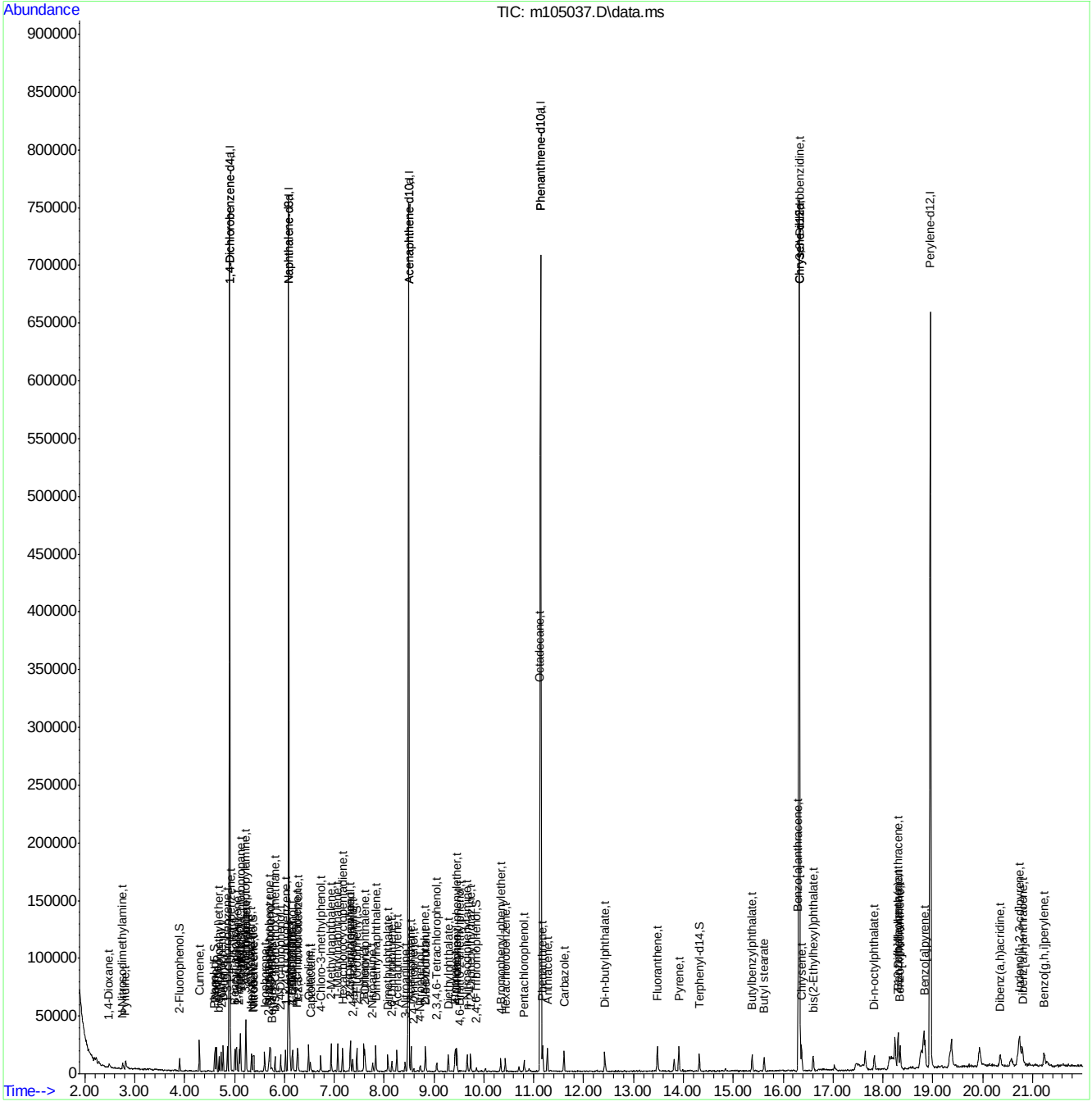
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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

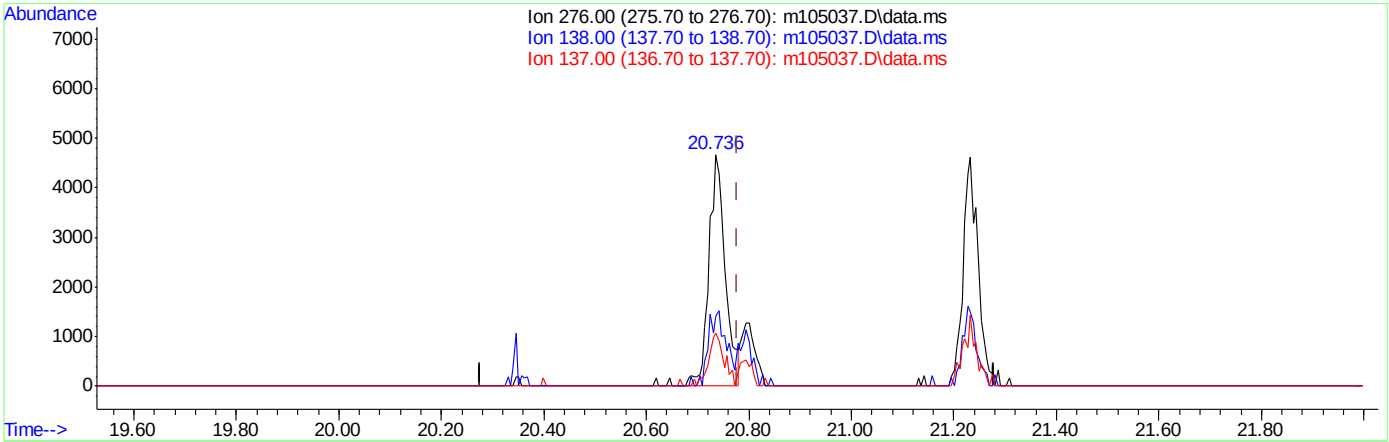
Sample Number:	EM4300-IC4300	**Method:**	SW846 8270D
Lab FileID:	M105037.D	**Analyst approved:**	06/12/14 15:11 Saumil Patel
Injection Time:	06/12/14 11:07	**Supervisor approved:**	06/16/14 13:29 Nina Pandya

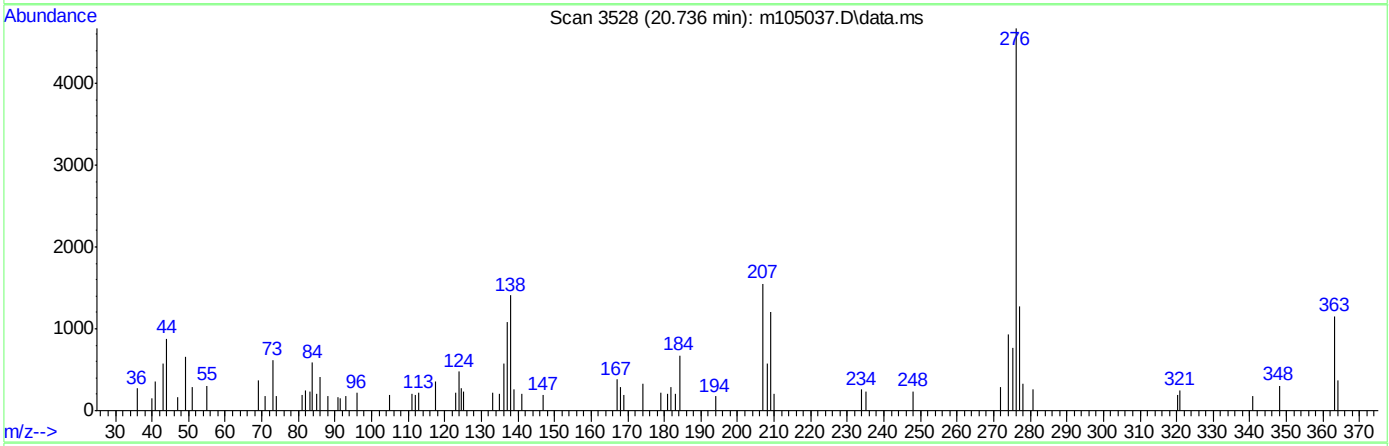
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		20.74	Poor instrument integration

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105037.D
Acq On : 12 Jun 2014 11:07 am
Operator : saumilp
Sample : IC4300-1
Misc : op73826,em4300
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 11:31:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 11:01:57 2014
Response via : Initial Calibration





TIC: m105037.D\data.ms

(97) Indeno[1,2,3-cd]pyrene (t)

20.736min (-0.042) 1.15ppb m

response 10226

Ion	Exp%	Act%
276.00	100	100
138.00	28.40	30.17
137.00	20.40	23.13
0.00	0.00	0.00

M105037.D edits: Indeno[1,2,3-cd]pyrene

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	87364	40.00	ppb	0.00
24) Naphthalene-d8	6.088	136	317909	40.00	ppb	0.00
47) Acenaphthene-d10	8.498	164	193247	40.00	ppb	0.00
69) Phenanthrene-d10	11.142	188	328476	40.00	ppb	0.00
83) Chrysene-d12	16.335	240	327542	40.00	ppb	0.01
92) Perylene-d12	18.958	264	264777	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	87364	40.00	ppb	0.00
104) Acenaphthene-d10a	8.498	164	193247	40.00	ppb	0.00
107) Chrysene-d12a	16.335	240	327542	40.00	ppb	0.01
110) Phenanthrene-d10a	11.142	188	328476	40.00	ppb	0.00
112) Naphthalene-d8a	6.088	136	317909	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.898	112	259352	82.59	ppb	0.00
Spiked Amount 50.000			Recovery = 165.18%			
8) Phenol-d5	4.614	99	325285	77.11	ppb	0.01
Spiked Amount 50.000			Recovery = 154.22%			
25) Nitrobenzene-d5	5.373	82	267679	82.05	ppb	0.00
Spiked Amount 50.000			Recovery = 164.10%			
51) 2-Fluorobiphenyl	7.461	172	527651	78.66	ppb	0.01
Spiked Amount 50.000			Recovery = 157.32%			
73) 2,4,6-Tribromophenol	9.860	330	64104	97.35	ppb	0.01
Spiked Amount 50.000			Recovery = 194.70%			
86) Terphenyl-d14	14.331	244	607348	83.38	ppb	0.01
Spiked Amount 50.000			Recovery = 166.76%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.472	88	118039	65.08	ppb	99
3) Pyridine	2.782	79	313634	75.31	ppb	99
4) N-Nitrosodimethylamine	2.744	42	110792	72.53	ppb	100
6) Indene	5.121	116	442578	75.22	ppb	98
7) Cumene	4.293	105	635422	76.11	ppb	98
9) Phenol	4.625	94	381037	80.37	ppb	100
10) Aniline	4.646	93	414482	73.63	ppb	98
11) bis(2-Chloroethyl)ether	4.689	93	247332	75.52	ppb	98
12) 2-Chlorophenol	4.742	128	273768	79.91	ppb	96
13) Decane	4.774	43	190411	73.29	ppb	97
14) 1,3-Dichlorobenzene	4.860	146	282524	80.12	ppb	98
15) 1,4-Dichlorobenzene	4.918	146	283321	73.76	ppb	97
16) Benzyl alcohol	5.015	108	185314	75.42	ppb	96
17) 1,2-Dichlorobenzene	5.047	146	267819	76.45	ppb	97
18) Acetophenone	5.239	105	367178	74.76	ppb	96
19) 2-Methylphenol	5.105	108	244765	77.81	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.127	121	79233	79.26	ppb	99
21) 3&4-Methylphenol	5.234	108	252478	75.69	ppb	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.239	70	174050	70.48	ppb	97
23) Hexachloroethane	5.340	201	99696	78.47	ppb	94
26) Nitrobenzene	5.394	77	295865	80.42	ppb	94
27) Quinoline	6.500	129	535726	77.14	ppb	100
28) Isophorone	5.613	82	508381	78.39	ppb	100
29) 2-Nitrophenol	5.693	139	144153	89.95	ppb	96
30) 2,4-Dimethylphenol	5.725	107	270260	79.05	ppb	99
31) Benzoic acid	5.843	105	209940	101.38	ppb	97
32) bis(2-Chloroethoxy)met...	5.821	93	286804	76.40	ppb	98
33) 2,4-Dichlorophenol	5.933	162	210526	85.31	ppb	98
34) 2,6-Dichlorophenol	6.179	162	203041	80.56	ppb	98
35) 1,3,5-Trichlorobenzene	5.709	180	242545	79.68	ppb	99
36) 1,2,4-Trichlorobenzene	6.030	180	231015	78.35	ppb	99
37) 1,2,3-Trichlorobenzene	6.275	180	231898	74.84	ppb	97
38) Naphthalene	6.115	128	763367	79.29	ppb	98
39) 4-Chloroaniline	6.169	127	336013	77.92	ppb	98
40) 2,3-Dichloroaniline	7.328	161	261081	80.25	ppb	99
41) Caprolactam	6.585	55	105315	76.63	ppb	97
42) Hexachlorobutadiene	6.259	225	131673	78.86	ppb	99
43) 4-Chloro-3-methylphenol	6.745	107	241941	83.48	ppb	98
44) 2-Methylnaphthalene	6.943	141	423511	77.72	ppb	99
45) 1-Methylnaphthalene	7.077	142	485450	78.36	ppb	99
46) Dimethylnaphthalene	7.841	156	444903	78.86	ppb	99
48) Hexachlorocyclopentadiene	7.173	237	298452	189.60	ppb	97
49) 2,4,6-Trichlorophenol	7.338	196	151410	80.79	ppb	100
50) 2,4,5-Trichlorophenol	7.387	196	166094	82.79	ppb	99
52) 2-Chloronaphthalene	7.627	162	494863	79.28	ppb	98
53) Biphenyl	7.606	154	620213	77.39	ppb	99
54) 2-Nitroaniline	7.782	65	149981	89.61	ppb	94
55) Dimethylphthalate	8.092	163	529601	79.17	ppb	99
56) Acenaphthylene	8.263	152	771790	80.55	ppb	100
57) 2,6-Dinitrotoluene	8.172	165	128359	95.26	ppb	100
58) 3-Nitroaniline	8.439	138	147076	87.16	ppb	99
59) Acenaphthene	8.551	153	467320	77.60	ppb	99
60) 2,4-Dinitrophenol	8.610	184	156114	264.42	ppb	93
61) 4-Nitrophenol	8.743	109	80686	91.94	ppb	95
62) Dibenzofuran	8.840	168	668328	75.68	ppb	99
63) 2,4-Dinitrotoluene	8.840	165	174702	95.05	ppb	100
64) 2,3,4,6-Tetrachlorophenol	9.064	232	135675	90.48	ppb	97
65) Diethylphthalate	9.304	149	524983	81.05	ppb	98
66) Fluorene	9.433	166	541379	79.91	ppb	98
67) 4-Chlorophenyl-phenyle...	9.459	204	261240	79.52	ppb	99
68) 4-Nitroaniline	9.497	138	151243	87.17	ppb	95
70) 4,6-Dinitro-2-methylph...	9.550	198	109558	135.45	ppb	97
71) n-Nitrosodiphenylamine	9.678	169	368754	81.47	ppb	99
72) 1,2-Diphenylhydrazine	9.748	77	582591	81.09	ppb	98
74) 4-Bromophenyl-phenylether	10.346	248	139689	83.33	ppb	99
75) Hexachlorobenzene	10.442	284	147563	81.63	ppb	98
76) Pentachlorophenol	10.816	266	209580	192.78	ppb	99
77) Phenanthrene	11.190	178	784955	76.93	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.286	178	806313	83.01	ppb	100
79) Carbazole	11.623	167	763002	78.93	ppb	99
80) Di-n-butylphthalate	12.430	149	903025	85.56	ppb	99
81) Fluoranthene	13.493	202	859458	79.05	ppb	100
82) Octadecane	11.131	57	278145	86.85	ppb	98
84) Pyrene	13.925	202	907699	80.34	ppb	100
85) Butyl stearate	15.624	56	200707	89.73	ppb	97
87) Butylbenzylphthalate	15.384	149	411212	88.54	ppb	98
88) Benzo[a]anthracene	16.319	228	814456	77.23	ppb	100
89) 3,3'-Dichlorobenzidine	16.340	252	299469	87.89	ppb	99
90) Chrysene	16.388	228	767942	79.47	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.607	149	559564	91.11	ppb	99
93) Di-n-octylphthalate	17.836	149	965033	87.89	ppb	99
94) Benzo[b]fluoranthene	18.317	252	784541	77.35	ppb	99
95) Benzo[k]fluoranthene	18.381	252	733777	75.48	ppb	99
96) Benzo[a]pyrene	18.867	252	685228	78.23	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.774	276	638270	77.24	ppb	95
98) Dibenz(a,h)acridine	20.373	279	590633	86.65	ppb	99
99) Dibenz[a,h]anthracene	20.827	278	663941	79.49	ppb	99
100) 7,12-Dimethylbenz(a)an...	18.338	256	386991	88.43	ppb	97
101) Benzo[g,h,i]perylene	21.276	276	631557	80.90	ppb	98

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

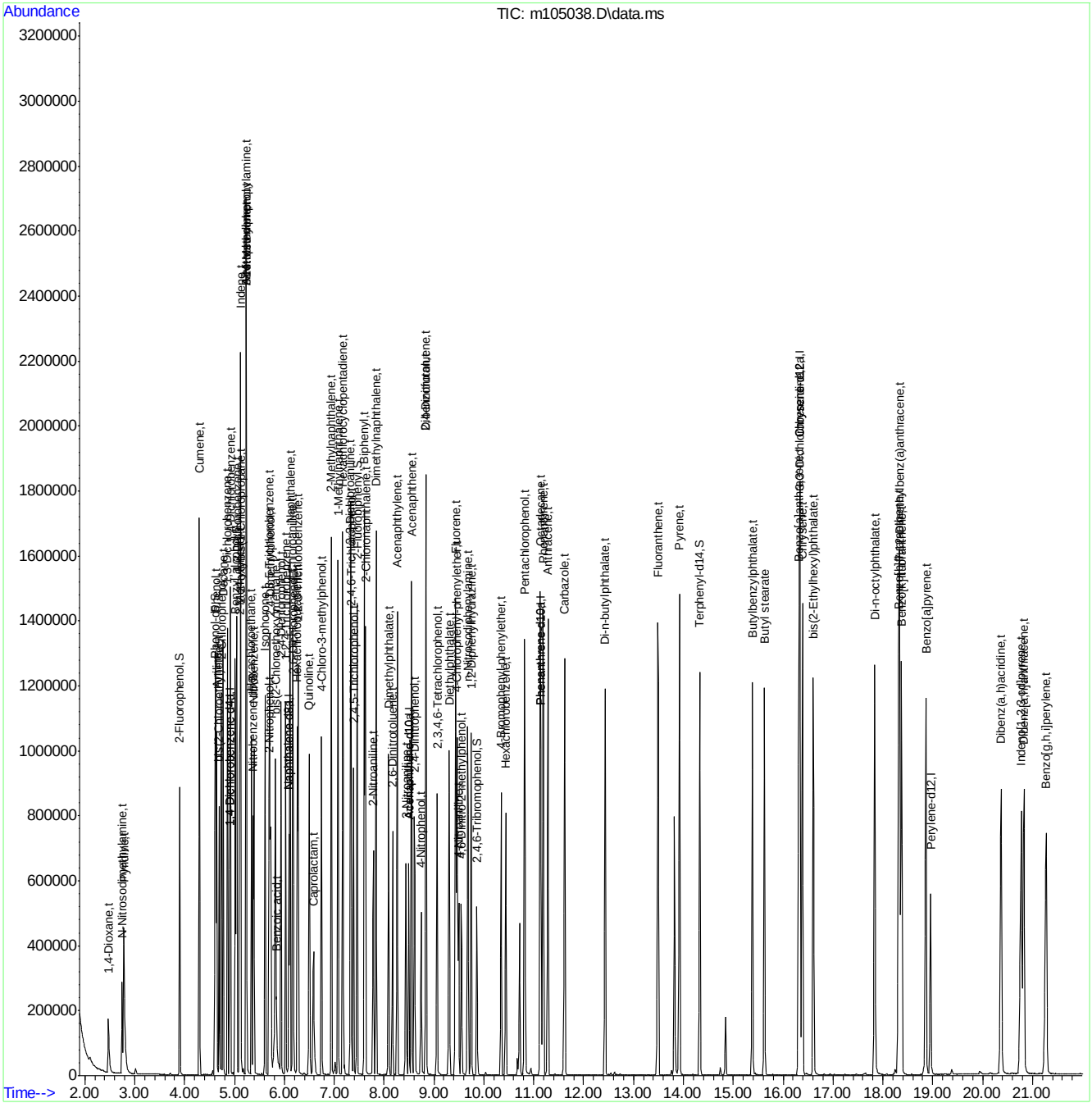
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105038.D
Acq On : 12 Jun 2014 11:42 am
Operator : saumilp
Sample : IC4300-80
Misc : op73826,em4300
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 12:35:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:30:53 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.903	152	113449	40.00	ppb		0.00
24) Naphthalene-d8	6.089	136	402706	40.00	ppb		0.00
47) Acenaphthene-d10	8.493	164	242937	40.00	ppb		0.00
69) Phenanthrene-d10	11.143	188	407063	40.00	ppb		0.00
83) Chrysene-d12	16.335	240	396068	40.00	ppb		0.00
92) Perylene-d12	18.958	264	349199	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	113449	40.00	ppb		0.00
104) Acenaphthene-d10a	8.493	164	242937	40.00	ppb		0.00
107) Chrysene-d12a	16.335	240	396068	40.00	ppb		0.00
110) Phenanthrene-d10a	11.143	188	407063	40.00	ppb		0.00
112) Naphthalene-d8a	6.089	136	402706	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.899	112	193352	46.91	ppb		0.00
Spiked Amount 50.000			Recovery = 93.82%				
8) Phenol-d5	4.609	99	240650	44.47	ppb		0.00
Spiked Amount 50.000			Recovery = 88.94%				
25) Nitrobenzene-d5	5.373	82	194406	46.64	ppb		0.00
Spiked Amount 50.000			Recovery = 93.28%				
51) 2-Fluorobiphenyl	7.457	172	389144	46.41	ppb		0.00
Spiked Amount 50.000			Recovery = 92.82%				
73) 2,4,6-Tribromophenol	9.861	330	47136	53.87	ppb		0.00
Spiked Amount 50.000			Recovery = 107.74%				
86) Terphenyl-d14	14.327	244	438248	49.07	ppb		0.00
Spiked Amount 50.000			Recovery = 98.14%				
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.473	88	89261	40.41	ppb		98
3) Pyridine	2.782	79	234169	44.16	ppb		98
4) N-Nitrosodimethylamine	2.750	42	83788	43.60	ppb		92
6) Indene	5.117	116	336949	45.00	ppb		99
7) Cumene	4.294	105	488848	45.83	ppb		99
9) Phenol	4.620	94	284454	46.13	ppb		99
10) Aniline	4.642	93	295369	41.51	ppb		100
11) bis(2-Chloroethyl)ether	4.690	93	184887	44.30	ppb		99
12) 2-Chlorophenol	4.738	128	205162	46.13	ppb		99
13) Decane	4.775	43	149208	45.50	ppb		96
14) 1,3-Dichlorobenzene	4.861	146	212648	46.42	ppb		98
15) 1,4-Dichlorobenzene	4.919	146	219442	45.17	ppb		98
16) Benzyl alcohol	5.010	108	136848	43.72	ppb		98
17) 1,2-Dichlorobenzene	5.048	146	202834	45.26	ppb		96
18) Acetophenone	5.240	105	279673	44.83	ppb		96
19) 2-Methylphenol	5.101	108	185905	45.93	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.122	121	59472	45.96	ppb		98
21) 3&4-Methylphenol	5.229	108	190465	44.78	ppb	#	79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.235	70	129627	42.09	ppb	99
23) Hexachloroethane	5.341	201	75797	46.24	ppb	98
26) Nitrobenzene	5.389	77	216630	46.40	ppb	99
27) Quinoline	6.495	129	399695	45.98	ppb	99
28) Isophorone	5.608	82	373878	45.82	ppb	99
29) 2-Nitrophenol	5.689	139	108541	51.34	ppb	93
30) 2,4-Dimethylphenol	5.721	107	193493	44.86	ppb	99
31) Benzoic acid	5.827	105	146902	51.42	ppb	91
32) bis(2-Chloroethoxy)met...	5.817	93	212864	45.44	ppb	99
33) 2,4-Dichlorophenol	5.929	162	154043	48.21	ppb	95
34) 2,6-Dichlorophenol	6.175	162	151229	47.26	ppb	98
35) 1,3,5-Trichlorobenzene	5.705	180	184293	47.86	ppb	98
36) 1,2,4-Trichlorobenzene	6.025	180	175344	47.27	ppb	99
37) 1,2,3-Trichlorobenzene	6.276	180	175019	45.57	ppb	98
38) Naphthalene	6.111	128	571899	47.03	ppb	99
39) 4-Chloroaniline	6.164	127	249529	46.08	ppb	98
40) 2,3-Dichloroaniline	7.329	161	193537	46.92	ppb	98
41) Caprolactam	6.570	55	77887	45.38	ppb	98
42) Hexachlorobutadiene	6.255	225	100388	47.69	ppb	99
43) 4-Chloro-3-methylphenol	6.741	107	175018	46.99	ppb	98
44) 2-Methylnaphthalene	6.944	141	316481	46.29	ppb	99
45) 1-Methylnaphthalene	7.078	142	358905	46.05	ppb	99
46) Dimethylnaphthalene	7.841	156	329636	46.35	ppb	99
48) Hexachlorocyclopentadiene	7.168	237	216886	103.23	ppb	99
49) 2,4,6-Trichlorophenol	7.334	196	110397	46.70	ppb	99
50) 2,4,5-Trichlorophenol	7.382	196	120813	47.35	ppb	96
52) 2-Chloronaphthalene	7.622	162	364211	46.55	ppb	99
53) Biphenyl	7.601	154	458712	46.03	ppb	99
54) 2-Nitroaniline	7.783	65	106927	48.86	ppb	96
55) Dimethylphthalate	8.087	163	387941	46.29	ppb	99
56) Acenaphthylene	8.258	152	572410	47.41	ppb	99
57) 2,6-Dinitrotoluene	8.167	165	96161	53.37	ppb	98
58) 3-Nitroaniline	8.434	138	106495	48.75	ppb	97
59) Acenaphthene	8.547	153	346540	46.24	ppb	99
60) 2,4-Dinitrophenol	8.605	184	110242	121.99	ppb	88
61) 4-Nitrophenol	8.739	109	58780	50.75	ppb	99
62) Dibenzofuran	8.840	168	496427	45.53	ppb	99
63) 2,4-Dinitrotoluene	8.835	165	128710	52.42	ppb	98
64) 2,3,4,6-Tetrachlorophenol	9.059	232	98228	49.93	ppb	96
65) Diethylphthalate	9.300	149	385030	47.08	ppb	99
66) Fluorene	9.433	166	402414	47.27	ppb	99
67) 4-Chlorophenyl-phenyle...	9.460	204	191952	46.57	ppb	99
68) 4-Nitroaniline	9.487	138	107076	47.67	ppb	99
70) 4,6-Dinitro-2-methylph...	9.546	198	77623	62.91	ppb	98
71) n-Nitrosodiphenylamine	9.674	169	270109	47.86	ppb	98
72) 1,2-Diphenylhydrazine	9.743	77	429786	48.05	ppb	99
74) 4-Bromophenyl-phenylether	10.347	248	101575	48.23	ppb	98
75) Hexachlorobenzene	10.438	284	108094	47.93	ppb	97
76) Pentachlorophenol	10.812	266	151287	105.12	ppb	97
77) Phenanthrene	11.186	178	576062	46.15	ppb	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.282	178	585696	48.06	ppb	100
79) Carbazole	11.618	167	554531	46.50	ppb	100
80) Di-n-butylphthalate	12.430	149	650807	48.63	ppb	100
81) Fluoranthene	13.488	202	630469	46.98	ppb	99
82) Octadecane	11.127	57	199072	48.77	ppb	98
84) Pyrene	13.921	202	659786	48.23	ppb	100
85) Butyl stearate	15.620	56	148589	52.80	ppb	95
87) Butylbenzylphthalate	15.379	149	292506	50.29	ppb	100
88) Benzo[a]anthracene	16.314	228	593912	47.12	ppb	100
89) 3,3'-Dichlorobenzidine	16.335	252	212284	49.88	ppb	99
90) Chrysene	16.384	228	554978	47.60	ppb	100
91) bis(2-Ethylhexyl)phtha...	16.603	149	404508	52.06	ppb	98
93) Di-n-octylphthalate	17.831	149	688090	46.01	ppb	100
94) Benzo[b]fluoranthene	18.312	252	566187	42.80	ppb	99
95) Benzo[k]fluoranthene	18.371	252	555182	44.13	ppb	99
96) Benzo[a]pyrene	18.862	252	502822	43.85	ppb	98
97) Indeno[1,2,3-cd]pyrene	20.764	276	457071	42.43	ppb	97
98) Dibenz(a,h)acridine	20.369	279	426245	46.14	ppb	98
99) Dibenz[a,h]anthracene	20.818	278	480141	43.68	ppb	99
100) 7,12-Dimethylbenz(a)an...	18.333	256	280715	46.99	ppb	99
101) Benzo[g,h,i]perylene	21.266	276	449474	43.49	ppb	99

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

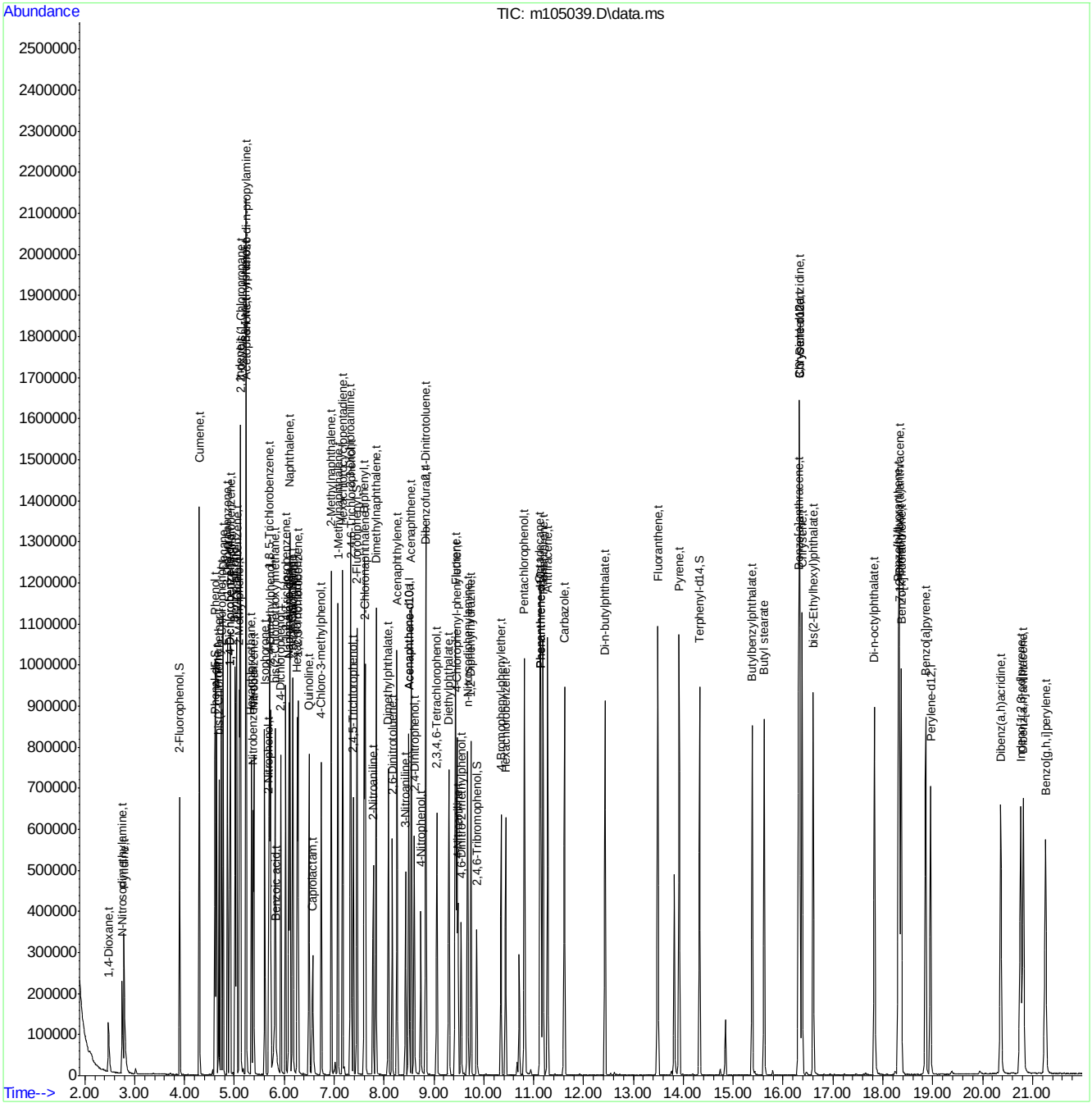
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105039.D
Acq On : 12 Jun 2014 12:11 pm
Operator : saumilp
Sample : ICC4300-50
Misc : op73826,em4300
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 12:36:59 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 12:36:09 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.906	152	100794	40.00	ppb	0.00
24) Naphthalene-d8	6.086	136	354887	40.00	ppb	0.00
47) Acenaphthene-d10	8.490	164	213939	40.00	ppb	0.00
69) Phenanthrene-d10	11.140	188	361916	40.00	ppb	0.00
83) Chrysene-d12	16.327	240	361873	40.00	ppb	-0.01
92) Perylene-d12	18.955	264	316861	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	100794	40.00	ppb	0.00
104) Acenaphthene-d10a	8.490	164	213939	40.00	ppb	0.00
107) Chrysene-d12a	16.327	240	361873	40.00	ppb	-0.01
110) Phenanthrene-d10a	11.140	188	361916	40.00	ppb	0.00
112) Naphthalene-d8a	6.086	136	354887	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.901	112	85078	23.60	ppb	0.00
Spiked Amount 50.000			Recovery = 47.20%			
8) Phenol-d5	4.606	99	107734	23.04	ppb	-0.01
Spiked Amount 50.000			Recovery = 46.08%			
25) Nitrobenzene-d5	5.370	82	88032	24.38	ppb	0.00
Spiked Amount 50.000			Recovery = 48.76%			
51) 2-Fluorobiphenyl	7.454	172	176518	24.34	ppb	0.00
Spiked Amount 50.000			Recovery = 48.68%			
73) 2,4,6-Tribromophenol	9.852	330	20753	26.17	ppb	-0.01
Spiked Amount 50.000			Recovery = 52.34%			
86) Terphenyl-d14	14.324	244	199237	24.53	ppb	-0.01
Spiked Amount 50.000			Recovery = 49.06%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	39963	21.39	ppb	97
3) Pyridine	2.785	79	103094	22.54	ppb	99
4) N-Nitrosodimethylamine	2.753	42	37159	22.48	ppb	94
6) Indene	5.119	116	156692	24.16	ppb	100
7) Cumene	4.297	105	226871	24.45	ppb	100
9) Phenol	4.617	94	128736	23.96	ppb	98
10) Aniline	4.644	93	141082	23.30	ppb	94
11) bis(2-Chloroethyl)ether	4.687	93	85269	23.67	ppb	99
12) 2-Chlorophenol	4.740	128	93464	24.12	ppb	95
13) Decane	4.777	43	68721	24.13	ppb	95
14) 1,3-Dichlorobenzene	4.857	146	97538	24.40	ppb	98
15) 1,4-Dichlorobenzene	4.916	146	101009	23.98	ppb	98
16) Benzyl alcohol	5.007	108	63114	23.43	ppb	95
17) 1,2-Dichlorobenzene	5.044	146	92975	23.92	ppb	98
18) Acetophenone	5.231	105	129557	23.99	ppb	85
19) 2-Methylphenol	5.098	108	84093	23.87	ppb	96
20) 2,2'-oxybis(1-Chloropr...	5.125	121	27734	24.62	ppb	97
21) 3&4-Methylphenol	5.226	108	88504	24.05	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.231	70	61368	23.35	ppb	99
23) Hexachloroethane	5.338	201	34154	23.90	ppb	91
26) Nitrobenzene	5.386	77	101294	25.07	ppb	97
27) Quinoline	6.487	129	177979	23.71	ppb	98
28) Isophorone	5.605	82	169577	24.09	ppb	98
29) 2-Nitrophenol	5.691	139	47946	25.56	ppb	97
30) 2,4-Dimethylphenol	5.718	107	85783	23.16	ppb	97
31) Benzoic acid	5.803	105	60638	23.92	ppb	97
32) bis(2-Chloroethoxy)met...	5.814	93	96291	23.87	ppb	100
33) 2,4-Dichlorophenol	5.931	162	69263	24.82	ppb	94
34) 2,6-Dichlorophenol	6.172	162	67384	24.23	ppb	99
35) 1,3,5-Trichlorobenzene	5.702	180	85130	25.36	ppb	96
36) 1,2,4-Trichlorobenzene	6.027	180	78475	24.34	ppb	98
37) 1,2,3-Trichlorobenzene	6.273	180	79197	23.93	ppb	97
38) Naphthalene	6.108	128	257097	24.35	ppb	100
39) 4-Chloroaniline	6.161	127	113895	24.34	ppb	100
40) 2,3-Dichloroaniline	7.326	161	85987	24.02	ppb	98
41) Caprolactam	6.546	55	35111	23.76	ppb	99
42) Hexachlorobutadiene	6.252	225	45659	24.90	ppb	97
43) 4-Chloro-3-methylphenol	6.738	107	78214	24.19	ppb	99
44) 2-Methylnaphthalene	6.941	141	141634	23.95	ppb	99
45) 1-Methylnaphthalene	7.074	142	163401	24.27	ppb	98
46) Dimethylnaphthalene	7.833	156	148139	24.07	ppb	98
48) Hexachlorocyclopentadiene	7.171	237	94245	50.53	ppb	97
49) 2,4,6-Trichlorophenol	7.331	196	49373	24.12	ppb	97
50) 2,4,5-Trichlorophenol	7.379	196	54689	24.67	ppb	99
52) 2-Chloronaphthalene	7.619	162	164295	24.26	ppb	99
53) Biphenyl	7.598	154	206624	24.02	ppb	99
54) 2-Nitroaniline	7.774	65	47697	24.89	ppb	95
55) Dimethylphthalate	8.084	163	174025	24.03	ppb	99
56) Acenaphthylene	8.255	152	252926	24.10	ppb	99
57) 2,6-Dinitrotoluene	8.159	165	41744	25.87	ppb	95
58) 3-Nitroaniline	8.426	138	46766	24.46	ppb	96
59) Acenaphthene	8.544	153	155293	23.98	ppb	100
60) 2,4-Dinitrophenol	8.597	184	41258	49.14	ppb	85
61) 4-Nitrophenol	8.730	109	25708	25.11	ppb	91
62) Dibenzofuran	8.832	168	227909	24.28	ppb	99
63) 2,4-Dinitrotoluene	8.827	165	57699	26.36	ppb	98
64) 2,3,4,6-Tetrachlorophenol	9.056	232	43146	24.91	ppb	98
65) Diethylphthalate	9.297	149	172149	24.26	ppb	99
66) Fluorene	9.425	166	179640	24.29	ppb	98
67) 4-Chlorophenyl-phenyle...	9.457	204	87192	24.44	ppb	99
68) 4-Nitroaniline	9.473	138	49038	25.08	ppb	96
70) 4,6-Dinitro-2-methylph...	9.537	198	29988	25.68	ppb	96
71) n-Nitrosodiphenylamine	9.671	169	120706	24.32	ppb	100
72) 1,2-Diphenylhydrazine	9.740	77	192759	24.48	ppb	98
74) 4-Bromophenyl-phenylether	10.344	248	44354	23.90	ppb	98
75) Hexachlorobenzene	10.435	284	49087	24.74	ppb	95
76) Pentachlorophenol	10.809	266	66838	51.57	ppb	97
77) Phenanthrene	11.183	178	263600	24.22	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.279	178	266867	24.87	ppb	98
79) Carbazole	11.610	167	253362	24.32	ppb	99
80) Di-n-butylphthalate	12.427	149	292428	24.75	ppb	100
81) Fluoranthene	13.485	202	282165	24.01	ppb	98
82) Octadecane	11.124	57	91054	25.24	ppb	99
84) Pyrene	13.912	202	304927	24.61	ppb	99
85) Butyl stearate	15.617	56	65345	25.06	ppb	96
87) Butylbenzylphthalate	15.376	149	128865	24.22	ppb	99
88) Benzo[a]anthracene	16.311	228	271149	23.89	ppb	98
89) 3,3'-Dichlorobenzidine	16.327	252	97148	25.00	ppb	97
90) Chrysene	16.375	228	255867	24.31	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.599	149	176661	24.63	ppb	99
93) Di-n-octylphthalate	17.828	149	295305	22.20	ppb	99
94) Benzo[b]fluoranthene	18.304	252	259825	22.45	ppb	98
95) Benzo[k]fluoranthene	18.357	252	255408	23.05	ppb	99
96) Benzo[a]pyrene	18.854	252	226542	22.46	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.756	276	201811	21.46	ppb	98
98) Dibenz(a,h)acridine	20.355	279	189368	23.03	ppb	95
99) Dibenz[a,h]anthracene	20.809	278	212522	22.00	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.320	256	123567	23.14	ppb	97
101) Benzo[g,h,i]perylene	21.247	276	204451	22.54	ppb	99

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

9.6.78

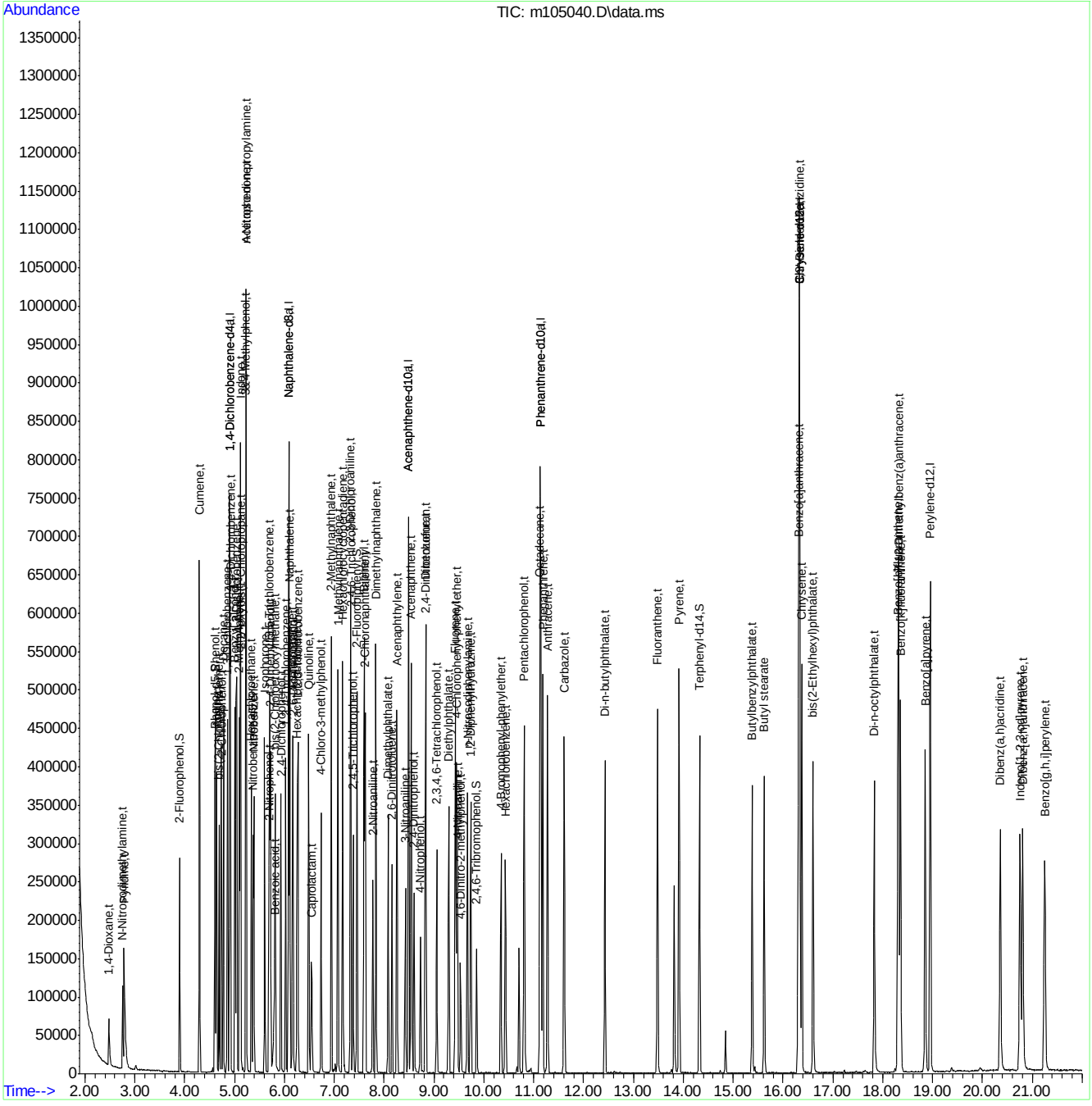
9

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105040.D
Acq On : 12 Jun 2014 12:40 pm
Operator : saumilp
Sample : IC4300-25
Misc : op73826,em4300
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 13:06:56 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:04:04 2014
Response via : Initial Calibration



9.6.78
9
ACCUTEST LABORATORIES
JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.901	152	89086	40.00	ppb		0.00
24) Naphthalene-d8	6.087	136	321562	40.00	ppb		0.00
47) Acenaphthene-d10	8.491	164	190952	40.00	ppb		0.00
69) Phenanthrene-d10	11.136	188	332682	40.00	ppb		0.00
83) Chrysene-d12	16.323	240	334492	40.00	ppb		0.00
92) Perylene-d12	18.951	264	271039	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	89086	40.00	ppb		0.00
104) Acenaphthene-d10a	8.491	164	190952	40.00	ppb		0.00
107) Chrysene-d12a	16.323	240	334492	40.00	ppb		0.00
110) Phenanthrene-d10a	11.136	188	332682	40.00	ppb		0.00
112) Naphthalene-d8a	6.087	136	321562	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.897	112	32483	10.31	ppb		0.00
Spiked Amount 50.000			Recovery = 20.62%				
8) Phenol-d5	4.608	99	42980	10.57	ppb		0.00
Spiked Amount 50.000			Recovery = 21.14%				
25) Nitrobenzene-d5	5.366	82	34636	10.64	ppb		0.00
Spiked Amount 50.000			Recovery = 21.28%				
51) 2-Fluorobiphenyl	7.455	172	68539	10.65	ppb		0.00
Spiked Amount 50.000			Recovery = 21.30%				
73) 2,4,6-Tribromophenol	9.854	330	7966	10.83	ppb		0.00
Spiked Amount 50.000			Recovery = 21.66%				
86) Terphenyl-d14	14.320	244	76792	10.27	ppb		0.00
Spiked Amount 50.000			Recovery = 20.54%				
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery = 0.00%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.476	88	15987	9.97	ppb		97
3) Pyridine	2.791	79	39671	10.01	ppb		95
4) N-Nitrosodimethylamine	2.754	42	14394	10.06	ppb		96
6) Indene	5.115	116	60713	10.66	ppb		99
7) Cumene	4.298	105	86689	10.62	ppb		97
9) Phenol	4.613	94	46599	9.90	ppb		85
10) Aniline	4.640	93	56800	10.76	ppb		100
11) bis(2-Chloroethyl)ether	4.688	93	33206	10.54	ppb		98
12) 2-Chlorophenol	4.736	128	36386	10.70	ppb		98
13) Decane	4.773	43	27220	10.89	ppb		99
14) 1,3-Dichlorobenzene	4.859	146	38435	10.93	ppb		97
15) 1,4-Dichlorobenzene	4.917	146	39621	10.73	ppb		100
16) Benzyl alcohol	5.008	108	24862	10.58	ppb		93
17) 1,2-Dichlorobenzene	5.046	146	37756	11.08	ppb		93
18) Acetophenone	5.233	105	52720	11.14	ppb		93
19) 2-Methylphenol	5.099	108	32648	10.58	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.120	121	10509	10.59	ppb	#	84
21) 3&4-Methylphenol	5.222	108	34569	10.71	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.233	70	25473	11.11	ppb	96
23) Hexachloroethane	5.339	201	13575	10.84	ppb	93
26) Nitrobenzene	5.387	77	39852	10.88	ppb	98
27) Quinoline	6.483	129	69363	10.30	ppb	98
28) Isophorone	5.607	82	68227	10.77	ppb	99
29) 2-Nitrophenol	5.687	139	17431	10.21	ppb	94
30) 2,4-Dimethylphenol	5.719	107	34542	10.45	ppb	94
31) Benzoic acid	5.777	105	19348	8.50	ppb	94
32) bis(2-Chloroethoxy)met...	5.815	93	39004	10.77	ppb	98
33) 2,4-Dichlorophenol	5.927	162	25974	10.29	ppb	95
34) 2,6-Dichlorophenol	6.173	162	26455	10.56	ppb	99
35) 1,3,5-Trichlorobenzene	5.703	180	33294	10.91	ppb	99
36) 1,2,4-Trichlorobenzene	6.023	180	31187	10.73	ppb	97
37) 1,2,3-Trichlorobenzene	6.269	180	31197	10.49	ppb	98
38) Naphthalene	6.109	128	102824	10.81	ppb	99
39) 4-Chloroaniline	6.157	127	45240	10.73	ppb	97
40) 2,3-Dichloroaniline	7.321	161	34618	10.76	ppb	94
41) Caprolactam	6.531	55	13187	9.95	ppb	96
42) Hexachlorobutadiene	6.253	225	17228	10.38	ppb	98
43) 4-Chloro-3-methylphenol	6.734	107	30399	10.44	ppb	98
44) 2-Methylnaphthalene	6.942	141	55918	10.52	ppb	99
45) 1-Methylnaphthalene	7.070	142	64269	10.60	ppb	99
46) Dimethylnaphthalene	7.834	156	59532	10.76	ppb	98
48) Hexachlorocyclopentadiene	7.166	237	34368	20.60	ppb	98
49) 2,4,6-Trichlorophenol	7.327	196	19532	10.76	ppb	91
50) 2,4,5-Trichlorophenol	7.375	196	21268	10.78	ppb	98
52) 2-Chloronaphthalene	7.620	162	65978	10.98	ppb	98
53) Biphenyl	7.599	154	81873	10.75	ppb	98
54) 2-Nitroaniline	7.770	65	17942	10.50	ppb	90
55) Dimethylphthalate	8.080	163	66874	10.43	ppb	98
56) Acenaphthylene	8.256	152	100602	10.82	ppb	98
57) 2,6-Dinitrotoluene	8.155	165	15567	10.74	ppb	96
58) 3-Nitroaniline	8.422	138	17700	10.42	ppb	93
59) Acenaphthene	8.545	153	59857	10.44	ppb	93
60) 2,4-Dinitrophenol	8.593	184	11007	14.74	ppb	93
61) 4-Nitrophenol	8.721	109	9416	10.30	ppb	95
62) Dibenzofuran	8.833	168	90851	10.91	ppb	99
63) 2,4-Dinitrotoluene	8.822	165	21673	10.98	ppb	95
64) 2,3,4,6-Tetrachlorophenol	9.052	232	16344	10.58	ppb	99
65) Diethylphthalate	9.293	149	66832	10.61	ppb	99
66) Fluorene	9.426	166	69703	10.62	ppb	98
67) 4-Chlorophenyl-phenyle...	9.458	204	33849	10.68	ppb	97
68) 4-Nitroaniline	9.464	138	18108	10.37	ppb	98
70) 4,6-Dinitro-2-methylph...	9.533	198	8668	8.03	ppb	95
71) n-Nitrosodiphenylamine	9.667	169	47379	10.44	ppb	97
72) 1,2-Diphenylhydrazine	9.736	77	76454	10.61	ppb	97
74) 4-Bromophenyl-phenylether	10.340	248	17350	10.26	ppb	97
75) Hexachlorobenzene	10.430	284	19711	10.83	ppb	99
76) Pentachlorophenol	10.804	266	24280	20.25	ppb	97
77) Phenanthrene	11.178	178	102730	10.33	ppb	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.275	178	106503	10.81	ppb	98
79) Carbazole	11.611	167	95906	10.07	ppb	99
80) Di-n-butylphthalate	12.423	149	107351	9.90	ppb	98
81) Fluoranthene	13.481	202	109467	10.21	ppb	96
82) Octadecane	11.125	57	35089	10.56	ppb	98
84) Pyrene	13.908	202	117863	10.32	ppb	100
85) Butyl stearate	15.618	56	23880	9.90	ppb	97
87) Butylbenzylphthalate	15.377	149	46867	9.59	ppb	98
88) Benzo[a]anthracene	16.307	228	105178	10.11	ppb	99
89) 3,3'-Dichlorobenzidine	16.328	252	36312	10.11	ppb	99
90) Chrysene	16.371	228	99978	10.33	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.601	149	63831	9.66	ppb	97
93) Di-n-octylphthalate	17.824	149	98100	8.82	ppb	99
94) Benzo[b]fluoranthene	18.299	252	99913	10.30	ppb	96
95) Benzo[k]fluoranthene	18.348	252	100165	10.74	ppb	96
96) Benzo[a]pyrene	18.844	252	88332	10.45	ppb	98
97) Indeno[1,2,3-cd]pyrene	20.746	276	78530	10.05	ppb	99
98) Dibenz(a,h)acridine	20.356	279	73104	10.56	ppb	98
99) Dibenz[a,h]anthracene	20.800	278	82103	10.18	ppb	98
100) 7,12-Dimethylbenz(a)an...	18.315	256	47122	10.47	ppb	99
101) Benzo[g,h,i]perylene	21.238	276	82196	10.80	ppb	98

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

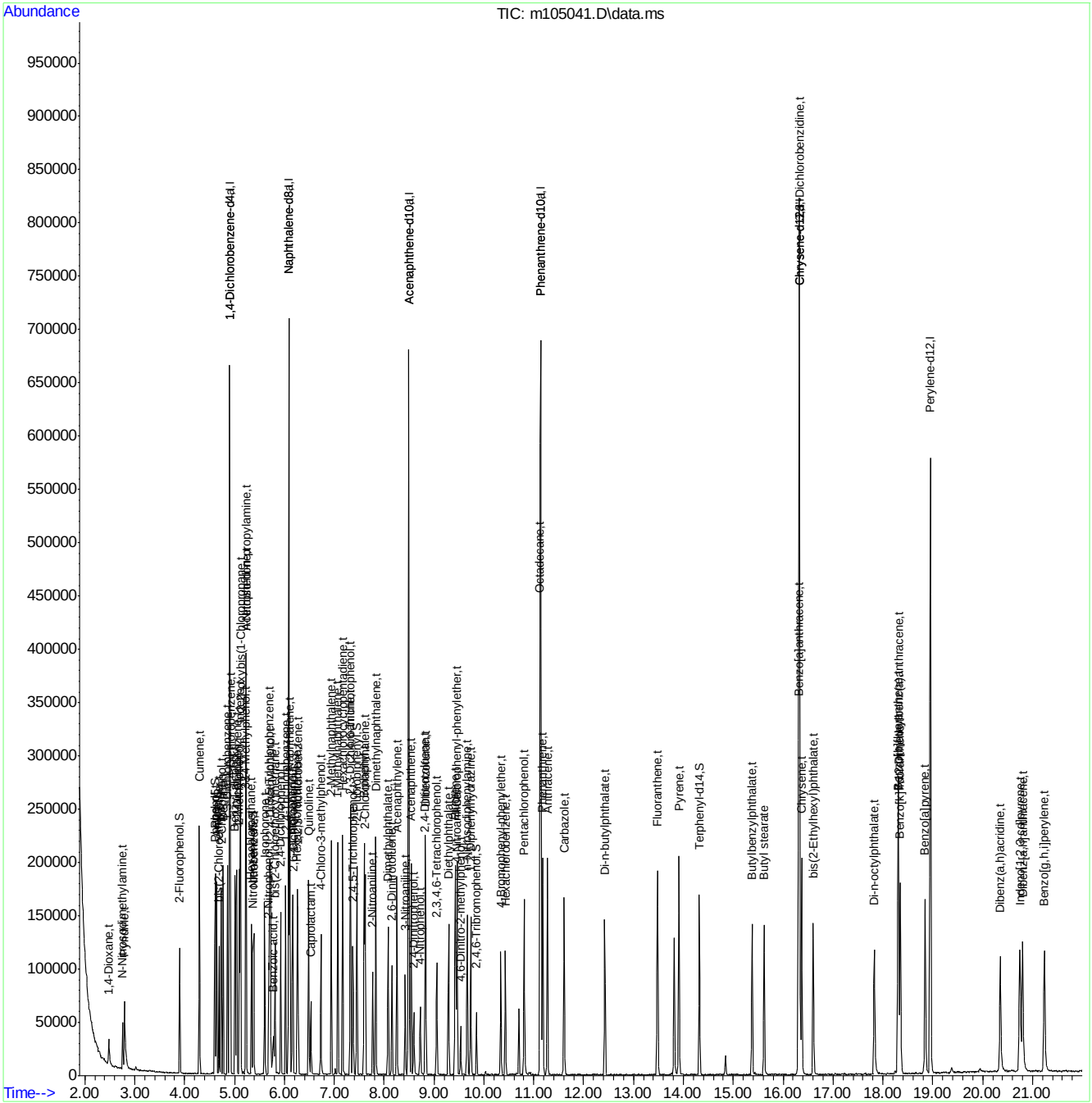
9.6.79

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105041.D
Acq On : 12 Jun 2014 1:10 pm
Operator : saumilp
Sample : IC4300-10
Misc : op73826,em4300
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 13:33:37 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 13:07:09 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.906	152	83164	40.00	ppb		0.00
24) Naphthalene-d8	6.086	136	303065	40.00	ppb		0.00
47) Acenaphthene-d10	8.490	164	182696	40.00	ppb		0.00
69) Phenanthrene-d10	11.140	188	321500	40.00	ppb		0.00
83) Chrysene-d12	16.322	240	326948	40.00	ppb		0.00
92) Perylene-d12	18.950	264	269319	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	83164	40.00	ppb		0.00
104) Acenaphthene-d10a	8.490	164	182696	40.00	ppb		0.00
107) Chrysene-d12a	16.322	240	326948	40.00	ppb		0.00
110) Phenanthrene-d10a	11.140	188	321500	40.00	ppb		0.00
112) Naphthalene-d8a	6.086	136	303065	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.896	112	15100	5.10	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.20%		
8) Phenol-d5	4.606	99	20285	5.25	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.50%		
25) Nitrobenzene-d5	5.370	82	17290	5.50	ppb		0.00
Spiked Amount 50.000			Recovery	=	11.00%		
51) 2-Fluorobiphenyl	7.454	172	34413	5.43	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.86%		
73) 2,4,6-Tribromophenol	9.852	330	3654	5.16	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.32%		
86) Terphenyl-d14	14.318	244	37883	5.17	ppb		0.00
Spiked Amount 50.000			Recovery	=	10.34%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery	=	0.00%		
Target Compounds							Qvalue
2) 1,4-Dioxane	2.475	88	8053	5.37	ppb		94
3) Pyridine	2.795	79	19224	5.17	ppb		94
4) N-Nitrosodimethylamine	2.753	42	6940	5.16	ppb		96
6) Indene	5.119	116	30484	5.56	ppb		97
7) Cumene	4.297	105	42004	5.35	ppb		98
9) Phenol	4.617	94	22348	5.12	ppb		84
10) Aniline	4.638	93	27394	5.40	ppb		94
11) bis(2-Chloroethyl)ether	4.686	93	16313	5.40	ppb		99
12) 2-Chlorophenol	4.735	128	17460	5.35	ppb		96
13) Decane	4.772	43	13181	5.42	ppb		96
14) 1,3-Dichlorobenzene	4.857	146	18568	5.46	ppb		96
15) 1,4-Dichlorobenzene	4.916	146	19323	5.46	ppb		96
16) Benzyl alcohol	5.007	108	11822	5.33	ppb		97
17) 1,2-Dichlorobenzene	5.044	146	17561	5.36	ppb		98
18) Acetophenone	5.231	105	25410	5.52	ppb		90
19) 2-Methylphenol	5.098	108	15481	5.31	ppb		99
20) 2,2'-oxybis(1-Chloropr...	5.119	121	5432	5.66	ppb		86
21) 3&4-Methylphenol	5.226	108	17215	5.55	ppb	#	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) n-Nitroso-di-n-propyla...	5.231	70	12508	5.59	ppb	93
23) Hexachloroethane	5.338	201	6273	5.21	ppb	98
26) Nitrobenzene	5.386	77	18917	5.34	ppb	92
27) Quinoline	6.481	129	33876	5.29	ppb	99
28) Isophorone	5.605	82	32944	5.39	ppb	96
29) 2-Nitrophenol	5.685	139	7946	4.97	ppb	94
30) 2,4-Dimethylphenol	5.718	107	16432	5.18	ppb	95
31) Benzoic acid	5.766	105	7649	3.65	ppb	71
32) bis(2-Chloroethoxy)met...	5.814	93	18410	5.29	ppb	97
33) 2,4-Dichlorophenol	5.926	162	12589	5.27	ppb	91
34) 2,6-Dichlorophenol	6.172	162	13008	5.39	ppb	95
35) 1,3,5-Trichlorobenzene	5.702	180	16454	5.49	ppb	98
36) 1,2,4-Trichlorobenzene	6.022	180	15321	5.43	ppb	98
37) 1,2,3-Trichlorobenzene	6.273	180	15075	5.27	ppb	95
38) Naphthalene	6.108	128	50422	5.41	ppb	98
39) 4-Chloroaniline	6.161	127	22818	5.60	ppb	99
40) 2,3-Dichloroaniline	7.326	161	16696	5.39	ppb	96
41) Caprolactam	6.524	55	6330	5.09	ppb	92
42) Hexachlorobutadiene	6.252	225	9146	5.64	ppb	91
43) 4-Chloro-3-methylphenol	6.733	107	14969	5.41	ppb	99
44) 2-Methylnaphthalene	6.941	141	27250	5.30	ppb	96
45) 1-Methylnaphthalene	7.069	142	32600	5.52	ppb	98
46) Dimethylnaphthalene	7.833	156	28433	5.34	ppb	98
48) Hexachlorocyclopentadiene	7.165	237	15004	9.65	ppb	92
49) 2,4,6-Trichlorophenol	7.326	196	9469	5.35	ppb	96
50) 2,4,5-Trichlorophenol	7.374	196	10280	5.35	ppb	94
52) 2-Chloronaphthalene	7.619	162	32090	5.40	ppb	93
53) Biphenyl	7.598	154	40022	5.35	ppb	99
54) 2-Nitroaniline	7.769	65	8503	5.23	ppb	85
55) Dimethylphthalate	8.079	163	33870	5.38	ppb	97
56) Acenaphthylene	8.255	152	48096	5.29	ppb	99
57) 2,6-Dinitrotoluene	8.159	165	6583	4.84	ppb	95
58) 3-Nitroaniline	8.421	138	7953	4.98	ppb	97
59) Acenaphthene	8.544	153	31280	5.55	ppb	95
60) 2,4-Dinitrophenol	8.597	184	3736	11.70	ppb	83
61) 4-Nitrophenol	8.725	109	4016	4.70	ppb	96
62) Dibenzofuran	8.832	168	45480	5.49	ppb	98
63) 2,4-Dinitrotoluene	8.821	165	9664	5.20	ppb	97
64) 2,3,4,6-Tetrachlorophenol	9.051	232	7461	5.08	ppb	94
65) Diethylphthalate	9.286	149	32991	5.38	ppb	100
66) Fluorene	9.425	166	34870	5.42	ppb	96
67) 4-Chlorophenyl-phenyle...	9.457	204	17297	5.54	ppb	99
68) 4-Nitroaniline	9.462	138	8416	5.09	ppb	96
70) 4,6-Dinitro-2-methylph...	9.532	198	3281	2.83	ppb	98
71) n-Nitrosodiphenylamine	9.665	169	23306	5.28	ppb	99
72) 1,2-Diphenylhydrazine	9.735	77	38706	5.42	ppb	98
74) 4-Bromophenyl-phenylether	10.338	248	8947	5.36	ppb	96
75) Hexachlorobenzene	10.429	284	10284	5.64	ppb	96
76) Pentachlorophenol	10.803	266	10512	9.48	ppb	88
77) Phenanthrene	11.177	178	51287	5.25	ppb	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Anthracene	11.273	178	51995	5.35	ppb	99
79) Carbazole	11.610	167	48340	5.24	ppb	98
80) Di-n-butylphthalate	12.427	149	50848	4.99	ppb	98
81) Fluoranthene	13.480	202	52432	5.08	ppb	99
82) Octadecane	11.124	57	17737	5.47	ppb	98
84) Pyrene	13.907	202	59602	5.28	ppb	98
85) Butyl stearate	15.617	56	10752	4.84	ppb	96
87) Butylbenzylphthalate	15.376	149	21081	4.63	ppb	89
88) Benzo[a]anthracene	16.306	228	51932	5.12	ppb	99
89) 3,3'-Dichlorobenzidine	16.327	252	16479	4.88	ppb	94
90) Chrysene	16.370	228	51487	5.34	ppb	96
91) bis(2-Ethylhexyl)phtha...	16.599	149	28875	4.74	ppb	98
93) Di-n-octylphthalate	17.828	149	43841	4.12	ppb	99
94) Benzo[b]fluoranthene	18.298	252	49225	5.15	ppb	99
95) Benzo[k]fluoranthene	18.346	252	50544	5.36	ppb	96
96) Benzo[a]pyrene	18.849	252	43100	5.15	ppb	97
97) Indeno[1,2,3-cd]pyrene	20.740	276	35108	4.69	ppb	93
98) Dibenz(a,h)acridine	20.355	279	34693	5.12	ppb	80
99) Dibenz[a,h]anthracene	20.798	278	38058	4.86	ppb	96
100) 7,12-Dimethylbenz(a)an...	18.309	256	21715	5.00	ppb	98
101) Benzo[g,h,i]perylene	21.236	276	38533	5.10	ppb	96

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

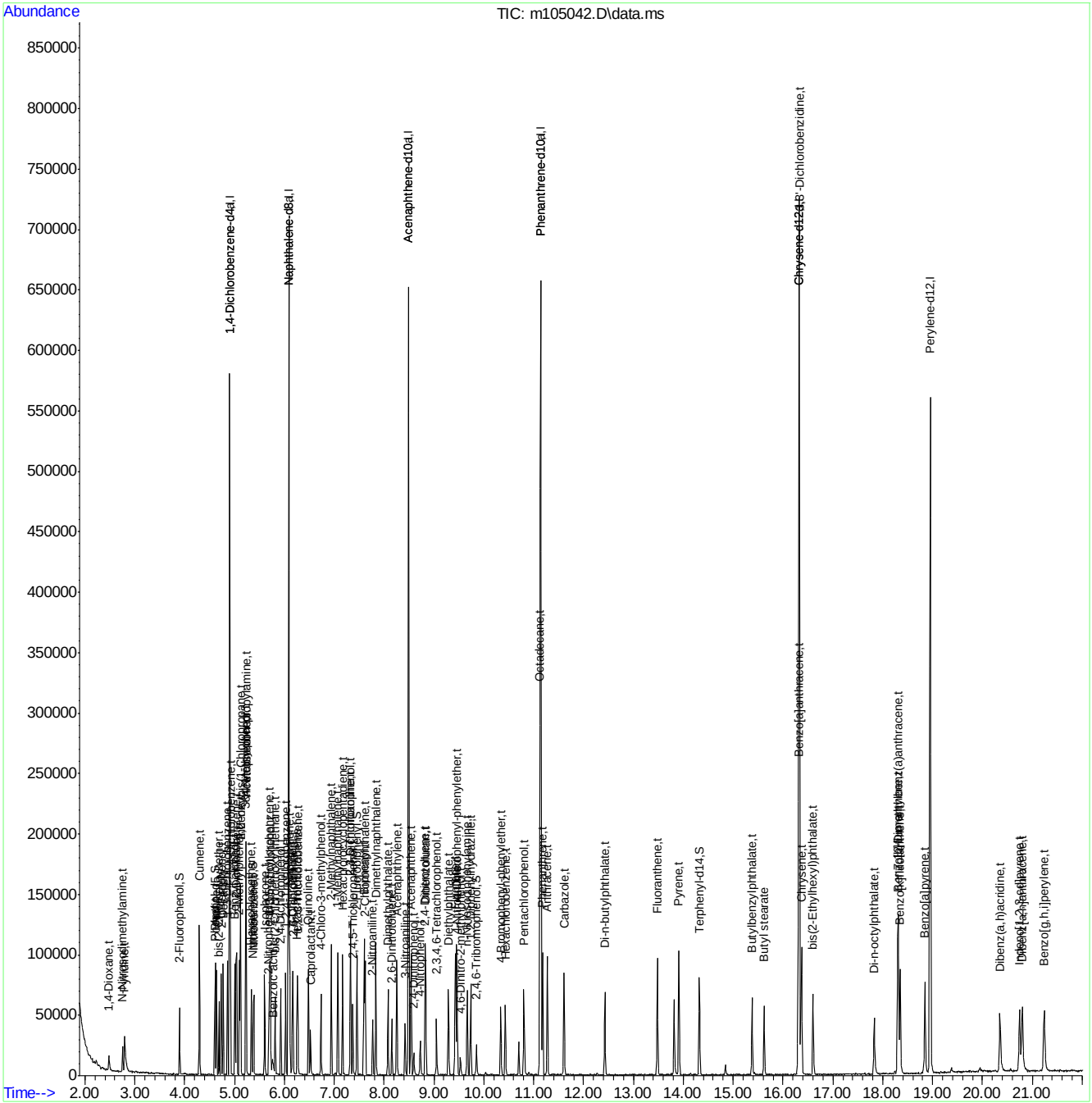
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6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105042.D
Acq On : 12 Jun 2014 1:40 pm
Operator : saumilp
Sample : IC4300-5
Misc : op73826,em4300
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 14:40:23 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 14:39:28 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.904	152	90995	40.00	ppb	0.00
24) Naphthalene-d8	6.085	136	325763	40.00	ppb	0.00
47) Acenaphthene-d10	8.489	164	192900	40.00	ppb	0.00
69) Phenanthrene-d10	11.138	188	337459	40.00	ppb	-0.01
83) Chrysene-d12	16.325	240	340864	40.00	ppb	-0.03
92) Perylene-d12	18.954	264	282658	40.00	ppb	-0.03
102) 1,4-Dichlorobenzene-d4a	4.904	152	90995	40.00	ppb	0.00
104) Acenaphthene-d10a	8.489	164	192900	40.00	ppb	0.00
107) Chrysene-d12a	16.325	240	340864	40.00	ppb	-0.03
110) Phenanthrene-d10a	11.138	188	337459	40.00	ppb	-0.01
112) Naphthalene-d8a	6.085	136	325763	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.900	112	6455	1.99	ppb	0.00
Spiked Amount 50.000			Recovery =	3.98%		
8) Phenol-d5	4.605	99	8382	1.98	ppb	0.00
Spiked Amount 50.000			Recovery =	3.96%		
25) Nitrobenzene-d5	5.369	82	6591	1.95	ppb	0.00
Spiked Amount 50.000			Recovery =	3.90%		
51) 2-Fluorobiphenyl	7.452	172	13591	2.03	ppb	0.00
Spiked Amount 50.000			Recovery =	4.06%		
73) 2,4,6-Tribromophenol	9.851	330	1270	1.71	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.42%		
86) Terphenyl-d14	14.322	244	14552	1.90	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.80%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.479	88	3072	1.87	ppb	86
3) Pyridine	2.805	79	8098	1.99	ppb	95
4) N-Nitrosodimethylamine	2.756	42	2940	2.00	ppb	88
6) Indene	5.118	116	12108	2.02	ppb	94
7) Cumene	4.295	105	17995	2.09	ppb	96
9) Phenol	4.615	94	9059	1.90	ppb	99
10) Aniline	4.642	93	11317	2.04	ppb	91
11) bis(2-Chloroethyl)ether	4.685	93	6770	2.05	ppb	98
12) 2-Chlorophenol	4.738	128	7312	2.05	ppb	95
13) Decane	4.776	43	5725	2.15	ppb	96
14) 1,3-Dichlorobenzene	4.861	146	7691	2.07	ppb	98
15) 1,4-Dichlorobenzene	4.915	146	7667	1.98	ppb	89
16) Benzyl alcohol	5.005	108	4568	1.88	ppb	92
17) 1,2-Dichlorobenzene	5.043	146	7211	2.01	ppb	91
18) Acetophenone	5.230	105	10368	2.06	ppb	84
19) 2-Methylphenol	5.096	108	6104	1.91	ppb	99
20) 2,2'-oxybis(1-Chloropr...	5.123	121	2139	2.04	ppb	89
21) 3&4-Methylphenol	5.224	108	6750	1.99	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
22) n-Nitroso-di-n-propyla...	5.230	70	5063	2.07	ppb		97
23) Hexachloroethane	5.342	201	2791	2.12	ppb		88
26) Nitrobenzene	5.385	77	7580	1.99	ppb		97
27) Quinoline	6.485	129	13334	1.94	ppb		96
28) Isophorone	5.604	82	13004	1.98	ppb		97
29) 2-Nitrophenol	5.689	139	3262	1.90	ppb		80
30) 2,4-Dimethylphenol	5.721	107	7047	2.06	ppb		86
31) Benzoic acid	5.753	105	2382	1.06	ppb	#	71
32) bis(2-Chloroethoxy)met...	5.812	93	7344	1.96	ppb		98
33) 2,4-Dichlorophenol	5.930	162	4816	1.88	ppb		93
34) 2,6-Dichlorophenol	6.170	162	5177	2.00	ppb		89
35) 1,3,5-Trichlorobenzene	5.705	180	6866	2.13	ppb		87
36) 1,2,4-Trichlorobenzene	6.026	180	6185	2.04	ppb		83
37) 1,2,3-Trichlorobenzene	6.272	180	6303	2.05	ppb		89
38) Naphthalene	6.106	128	21342	2.13	ppb		98
39) 4-Chloroaniline	6.159	127	8432	1.92	ppb		95
40) 2,3-Dichloroaniline	7.324	161	6506	1.95	ppb		90
41) Caprolactam	6.517	55	2558	1.91	ppb		79
42) Hexachlorobutadiene	6.256	225	3626	2.08	ppb		93
43) 4-Chloro-3-methylphenol	6.731	107	5535	1.86	ppb		94
44) 2-Methylnaphthalene	6.939	141	11493	2.08	ppb		97
45) 1-Methylnaphthalene	7.073	142	13098	2.06	ppb		99
46) Dimethylnaphthalene	7.831	156	11281	1.97	ppb		98
48) Hexachlorocyclopentadiene	7.169	237	5521	3.36	ppb		96
49) 2,4,6-Trichlorophenol	7.329	196	3652	1.95	ppb		98
50) 2,4,5-Trichlorophenol	7.372	196	3856	1.90	ppb		93
52) 2-Chloronaphthalene	7.618	162	12873	2.05	ppb		94
53) Biphenyl	7.596	154	15950	2.02	ppb		100
54) 2-Nitroaniline	7.767	65	2984	1.74	ppb	#	78
55) Dimethylphthalate	8.077	163	13756	2.07	ppb		96
56) Acenaphthylene	8.253	152	18990	1.98	ppb		98
57) 2,6-Dinitrotoluene	8.157	165	2388	1.66	ppb		92
58) 3-Nitroaniline	8.419	138	2892	1.71	ppb		93
59) Acenaphthene	8.542	153	12035	2.02	ppb		89
61) 4-Nitrophenol	8.724	109	1583	1.76	ppb	#	79
62) Dibenzofuran	8.830	168	18219	2.08	ppb		96
63) 2,4-Dinitrotoluene	8.825	165	3003	1.53	ppb		89
64) 2,3,4,6-Tetrachlorophenol	9.055	232	2744	1.77	ppb		89
65) Diethylphthalate	9.290	149	12470	1.93	ppb		97
66) Fluorene	9.423	166	13620	2.00	ppb		98
67) 4-Chlorophenyl-phenyle...	9.455	204	6581	2.00	ppb		95
68) 4-Nitroaniline	9.461	138	3053	1.75	ppb		96
71) n-Nitrosodiphenylamine	9.664	169	8663	1.87	ppb		98
72) 1,2-Diphenylhydrazine	9.733	77	14965	2.00	ppb		98
74) 4-Bromophenyl-phenylether	10.337	248	3589	2.05	ppb		85
75) Hexachlorobenzene	10.428	284	3846	2.01	ppb		99
76) Pentachlorophenol	10.807	266	3585	3.08	ppb		97
77) Phenanthrene	11.181	178	20732	2.02	ppb		99
78) Anthracene	11.272	178	19727	1.94	ppb		95
79) Carbazole	11.608	167	18492	1.91	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Di-n-butylphthalate	12.426	149	17981	1.68	ppb	99
81) Fluoranthene	13.478	202	20245	1.87	ppb	98
82) Octadecane	11.122	57	6209	1.82	ppb	94
84) Pyrene	13.905	202	22943	1.95	ppb	95
85) Butyl stearate	15.620	56	3114	1.35	ppb	91
87) Butylbenzylphthalate	15.380	149	7801	1.64	ppb	91
88) Benzo[a]anthracene	16.309	228	20246	1.91	ppb	97
89) 3,3'-Dichlorobenzidine	16.331	252	5508	1.56	ppb	94
90) Chrysene	16.368	228	20272	2.02	ppb	97
91) bis(2-Ethylhexyl)phtha...	16.598	149	9137	1.44	ppb	100
93) Di-n-octylphthalate	17.827	149	12086	1.91	ppb	83
94) Benzo[b]fluoranthene	18.302	252	17758	1.77	ppb	93
95) Benzo[k]fluoranthene	18.345	252	18982	1.92	ppb	97
96) Benzo[a]pyrene	18.847	252	15807	1.80	ppb	91
97) Indeno[1,2,3-cd]pyrene	20.743	276	12957	1.65	ppb	94
98) Dibenz(a,h)acridine	20.353	279	11812	1.66	ppb	92
99) Dibenz[a,h]anthracene	20.802	278	14401	1.75	ppb	94
100) 7,12-Dimethylbenz(a)an...	18.313	256	7041	1.55	ppb	95
101) Benzo[g,h,i]perylene	21.240	276	14268	1.80	ppb	97

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

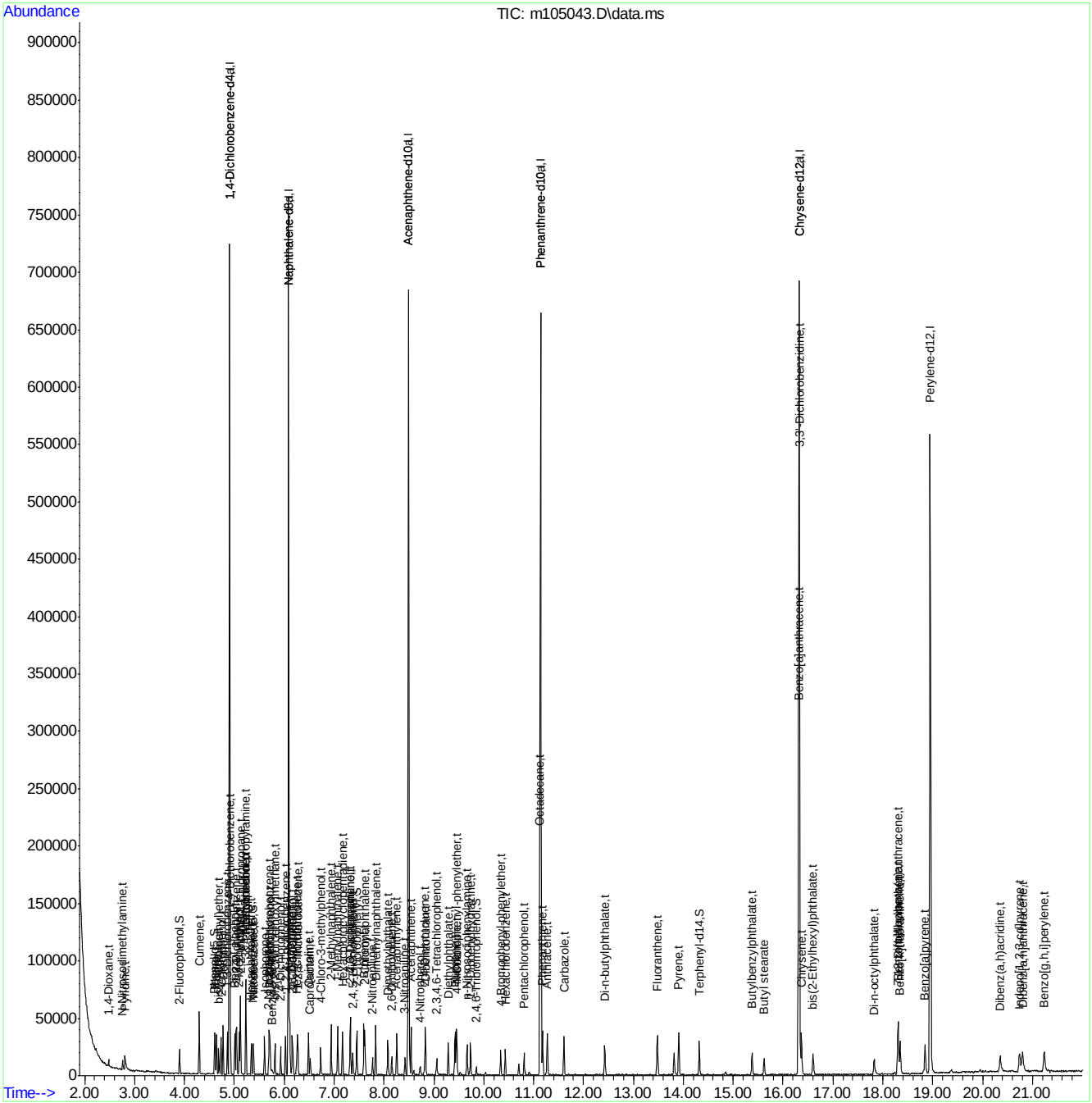
9.6.81

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4300\
Data File : m105043.D
Acq On : 12 Jun 2014 2:10 pm
Operator : saumilp
Sample : IC4300-2
Misc : op73826,em4300
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 16 13:05:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Mon Jun 16 13:03:47 2014
Response via : Initial Calibration



MM4300.M Mon Jun 16 13:05:26 2014 MSM Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105046.D
Acq On : 12 Jun 2014 2:49 pm
Operator : saumilp
Sample : IC4301-100
Misc : op73826,em4301
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:30:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

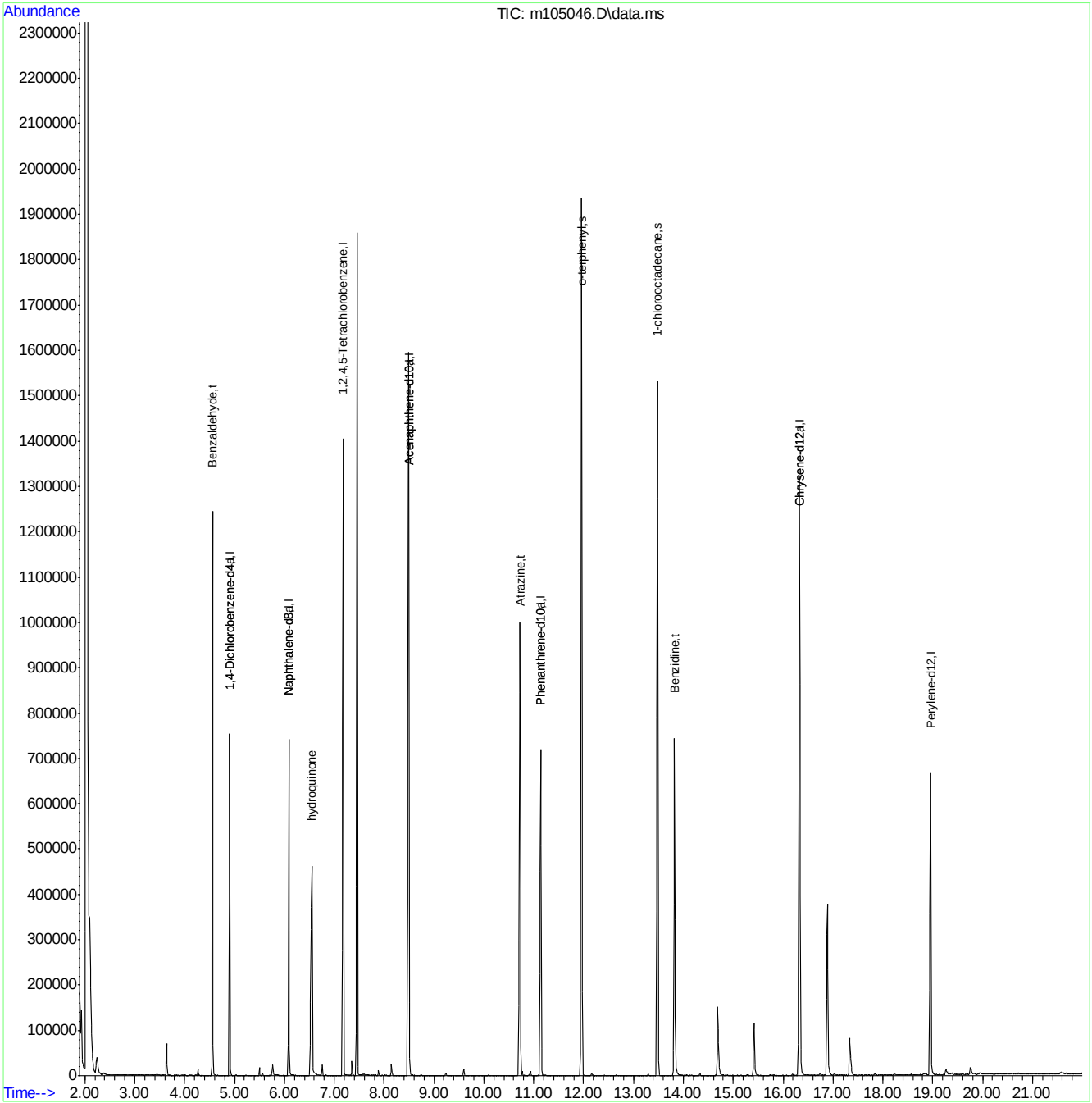
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	94936	40.00	ppb	0.00
24) Naphthalene-d8	6.088	136	344763	40.00	ppb	0.00
47) Acenaphthene-d10	8.497	164	205794	40.00	ppb	0.00
69) Phenanthrene-d10	11.142	188	363706	40.00	ppb	0.00
83) Chrysene-d12	16.324	240	369531	40.00	ppb	0.00
92) Perylene-d12	18.957	264	337286	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	94936	40.00	ppb	0.00
104) Acenaphthene-d10a	8.497	164	205794	40.00	ppb	0.00
107) Chrysene-d12a	16.324	240	369531	40.00	ppb	0.00
110) Phenanthrene-d10a	11.142	188	363706	40.00	ppb	0.00
112) Naphthalene-d8a	6.088	136	344763	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.482	57	242886	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
111) o-terphenyl	11.959	230	539995	100.00	ppb	0.00
Spiked Amount 50.000			Recovery =	200.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.560	105	211927	100.00	ppb	100
105) 1,2,4,5-Tetrachloroben...	7.178	216	294513	100.00	ppb	100
106) Atrazine	10.730	215	109412	100.00	ppb	100
108) Benzidine	13.824	184	418245	100.00	ppb	100
113) hydroquinone	6.553	110	393738	100.00	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105046.D
Acq On : 12 Jun 2014 2:49 pm
Operator : saumilp
Sample : IC4301-100
Misc : op73826,em4301
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 08:30:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



MM4300.M Fri Jun 13 08:30:24 2014 MSM Page: 2

1193 of 1757
ACCUTEST LABORATORIES
JB69926

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9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105047.D
Acq On : 12 Jun 2014 3:19 pm
Operator : saumilp
Sample : IC4301-80
Misc : op73826,em4301
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 15:42:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration

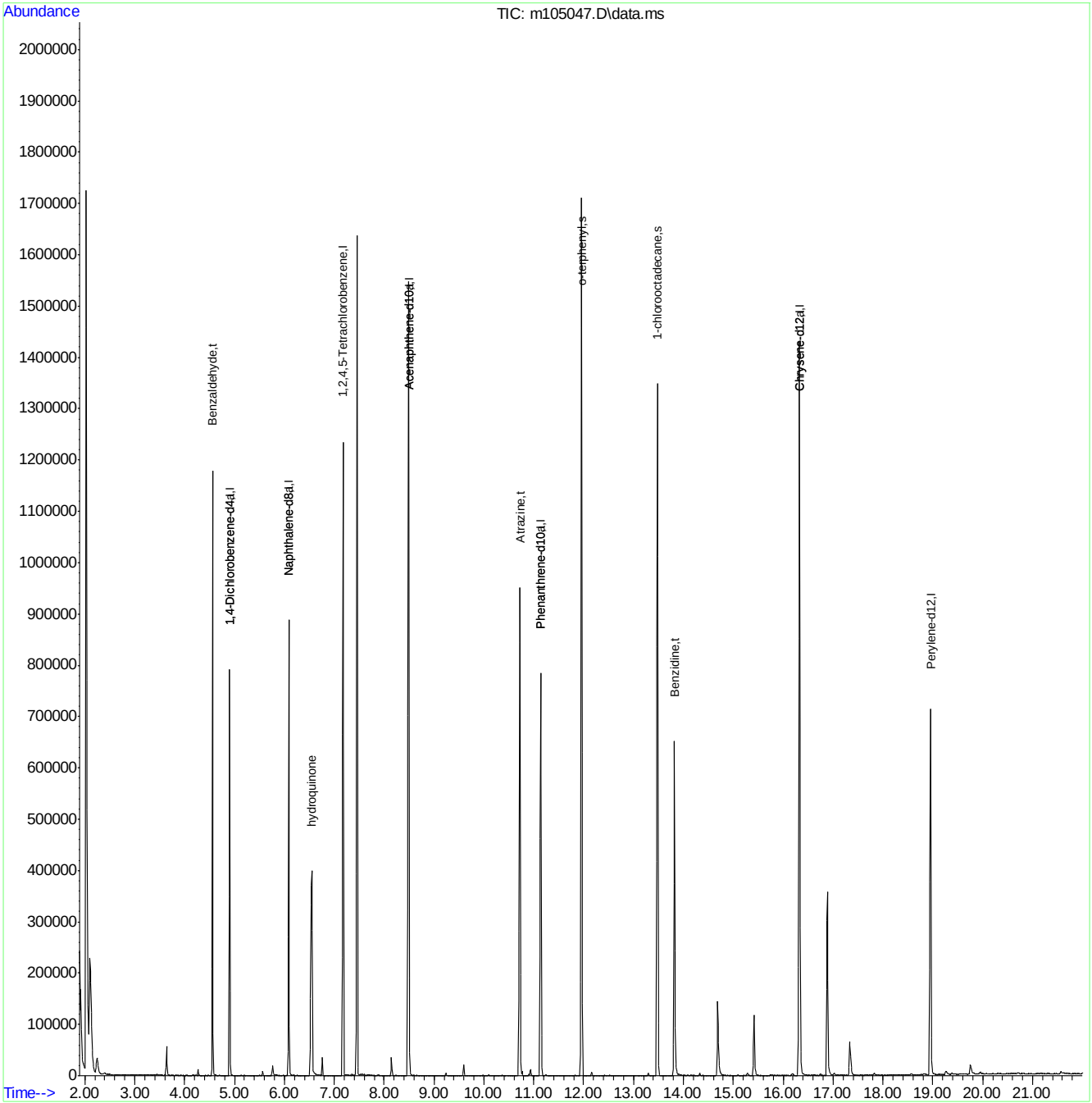
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	102234	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	376690	40.00	ppb	0.00
47) Acenaphthene-d10	8.496	164	226235	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	394458	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	406683	40.00	ppb	0.00
92) Perylene-d12	18.956	264	365617	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	102234	40.00	ppb	0.00
104) Acenaphthene-d10a	8.496	164	226235	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	406683	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	394458	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	376690	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.481	57	219704	82.19	ppb	0.00
Spiked Amount 50.000			Recovery =	164.38%		
111) o-terphenyl	11.958	230	483300	82.52	ppb	0.00
Spiked Amount 50.000			Recovery =	165.04%		
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	195806	85.80	ppb	99
105) 1,2,4,5-Tetrachloroben...	7.177	216	261207	80.68	ppb	99
106) Atrazine	10.724	215	97013	80.66	ppb	91
108) Benzidine	13.823	184	364470	79.18	ppb	99
113) hydroquinone	6.552	110	347236	80.71	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105047.D
Acq On : 12 Jun 2014 3:19 pm
Operator : saumilp
Sample : IC4301-80
Misc : op73826,em4301
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 12 15:42:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105048.D
Acq On : 12 Jun 2014 3:49 pm
Operator : saumilp
Sample : ICC4301-50
Misc : op73826,em4301
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 16:11:53 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration

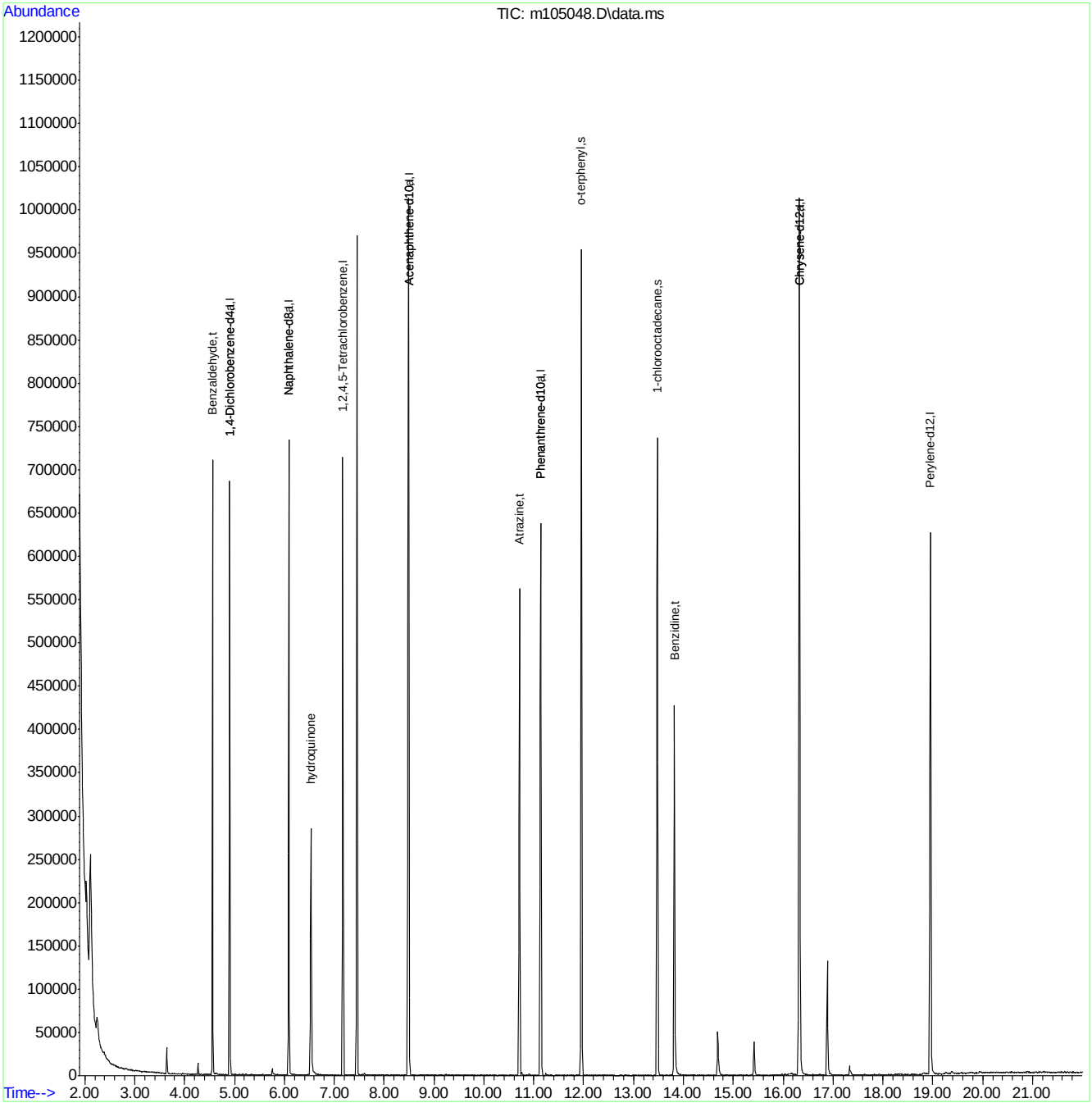
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	90258	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	326701	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	189607	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	329184	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	336974	40.00	ppb	0.00
92) Perylene-d12	18.951	264	301583	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	90258	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	189607	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	336974	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	329184	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	326701	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.475	57	112864	50.96	ppb	0.00
Spiked Amount 50.000			Recovery =	101.92%		
111) o-terphenyl	11.953	230	255701	52.32	ppb	0.00
Spiked Amount 50.000			Recovery =	104.64%		
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	122512	60.80	ppb	98
105) 1,2,4,5-Tetrachloroben...	7.172	216	141281	52.07	ppb	99
106) Atrazine	10.713	215	49687	49.29	ppb	91
108) Benzidine	13.817	184	236384	61.98	ppb	99
113) hydroquinone	6.531	110	177373	47.54	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105048.D
Acq On : 12 Jun 2014 3:49 pm
Operator : saumilp
Sample : ICC4301-50
Misc : op73826,em4301
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 12 16:11:53 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 15:16:25 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105049.D
Acq On : 12 Jun 2014 4:18 pm
Operator : saumilp
Sample : IC4301-25
Misc : op73826,em4301
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 16:46:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

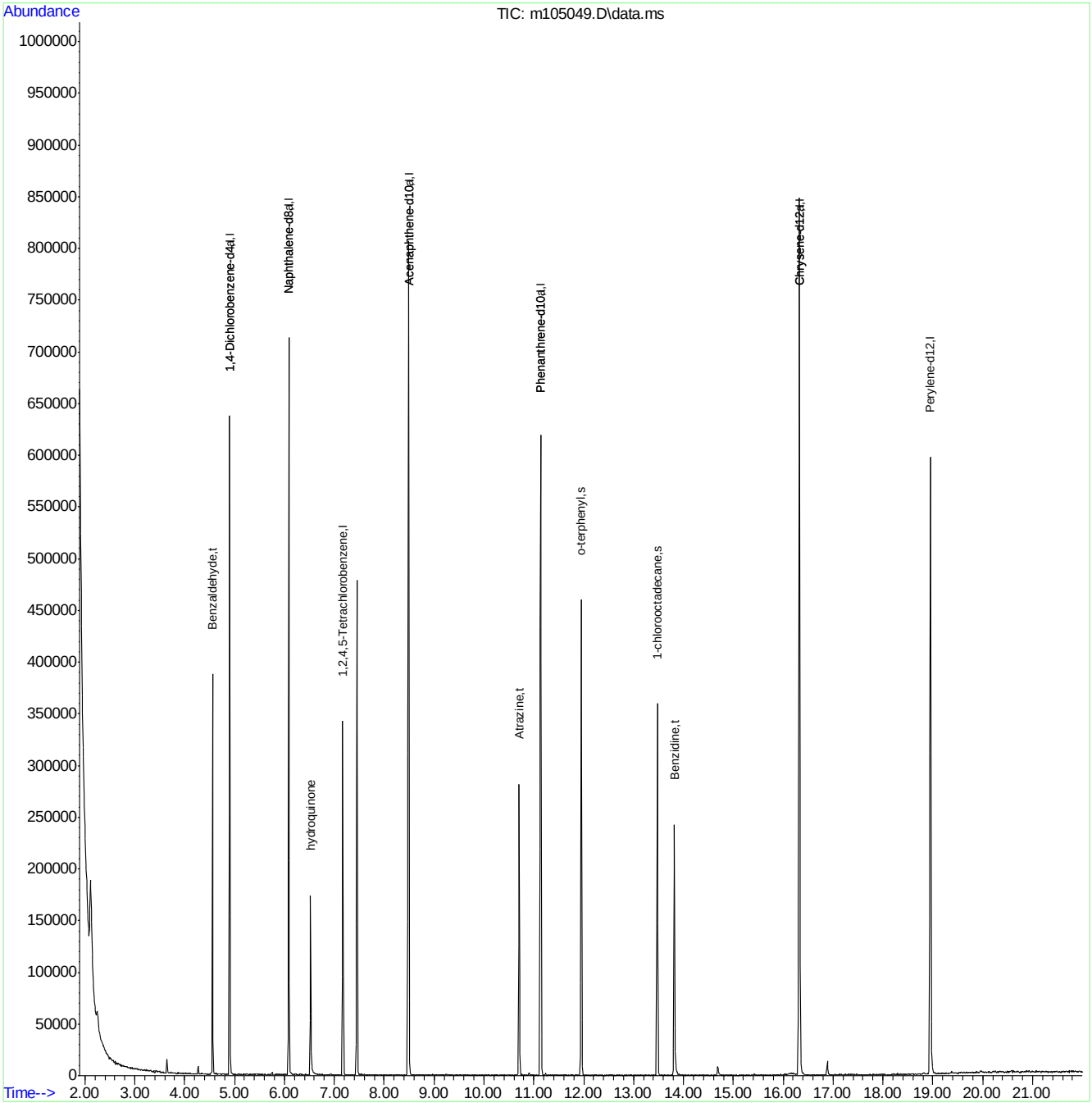
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	84342	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	303814	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	184779	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	317687	40.00	ppb	0.00
83) Chrysene-d12	16.322	240	317071	40.00	ppb	0.00
92) Perylene-d12	18.951	264	285045	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	84342	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	184779	40.00	ppb	0.00
107) Chrysene-d12a	16.322	240	317071	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	317687	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	303814	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	0d	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%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	13.475	57	52929	25.40	ppb	0.00
Spiked Amount 50.000			Recovery = 50.80%			
111) o-terphenyl	11.952	230	122384	25.95	ppb	0.00
Spiked Amount 50.000			Recovery = 51.90%			
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	62392	33.14	ppb	98
105) 1,2,4,5-Tetrachloroben...	7.171	216	68257	25.81	ppb	99
106) Atrazine	10.708	215	23480	23.90	ppb	94
108) Benzidine	13.817	184	130823	36.45	ppb	98
113) hydroquinone	6.525	110	79458	22.90	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105049.D
Acq On : 12 Jun 2014 4:18 pm
Operator : saumilp
Sample : IC4301-25
Misc : op73826,em4301
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 12 16:46:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105050.D
Acq On : 12 Jun 2014 4:48 pm
Operator : saumilp
Sample : IC4301-10
Misc : op73826,em4301
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 08:27:14 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

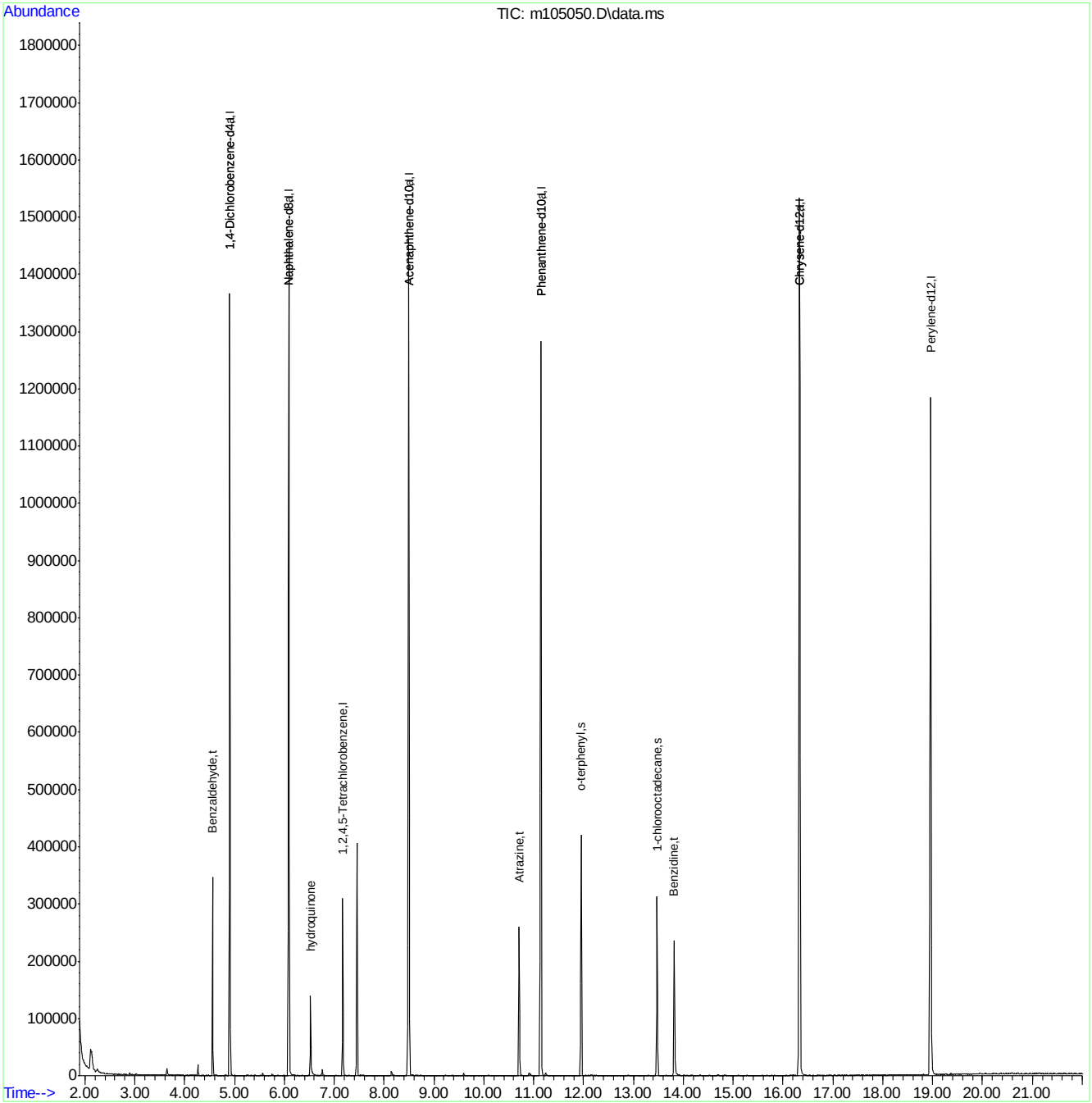
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.906	152	179769	40.00	ppb	0.00
24) Naphthalene-d8	6.086	136	655548	40.00	ppb	0.00
47) Acenaphthene-d10	8.496	164	387034	40.00	ppb	0.00
69) Phenanthrene-d10	11.145	188	678745	40.00	ppb	0.00
83) Chrysene-d12	16.332	240	704247	40.00	ppb	0.00
92) Perylene-d12	18.961	264	634508	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.906	152	179769	40.00	ppb	0.00
104) Acenaphthene-d10a	8.496	164	387034	40.00	ppb	0.00
107) Chrysene-d12a	16.332	240	704247	40.00	ppb	0.00
110) Phenanthrene-d10a	11.145	188	678745	40.00	ppb	0.00
112) Naphthalene-d8a	6.086	136	655548	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	0d	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%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			
109) 1-chlorooctadecane	13.474	57	47122	10.18	ppb	0.00
Spiked Amount 50.000			Recovery = 20.36%			
111) o-terphenyl	11.952	230	109413	10.86	ppb	0.00
Spiked Amount 50.000			Recovery = 21.72%			
Target Compounds						Qvalue
103) Benzaldehyde	4.558	105	54879	13.68	ppb	98
105) 1,2,4,5-Tetrachloroben...	7.171	216	60020	10.84	ppb	97
106) Atrazine	10.707	215	20513	9.97	ppb	86
108) Benzidine	13.816	184	131123	16.45	ppb	98
113) hydroquinone	6.524	110	62121	8.30	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105050.D
Acq On : 12 Jun 2014 4:48 pm
Operator : saumilp
Sample : IC4301-10
Misc : op73826,em4301
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 08:27:14 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



MM4300.M Fri Jun 13 08:27:18 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105051.D
Acq On : 12 Jun 2014 5:17 pm
Operator : saumilp
Sample : IC4301-5
Misc : op73826,em4301
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 08:27:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

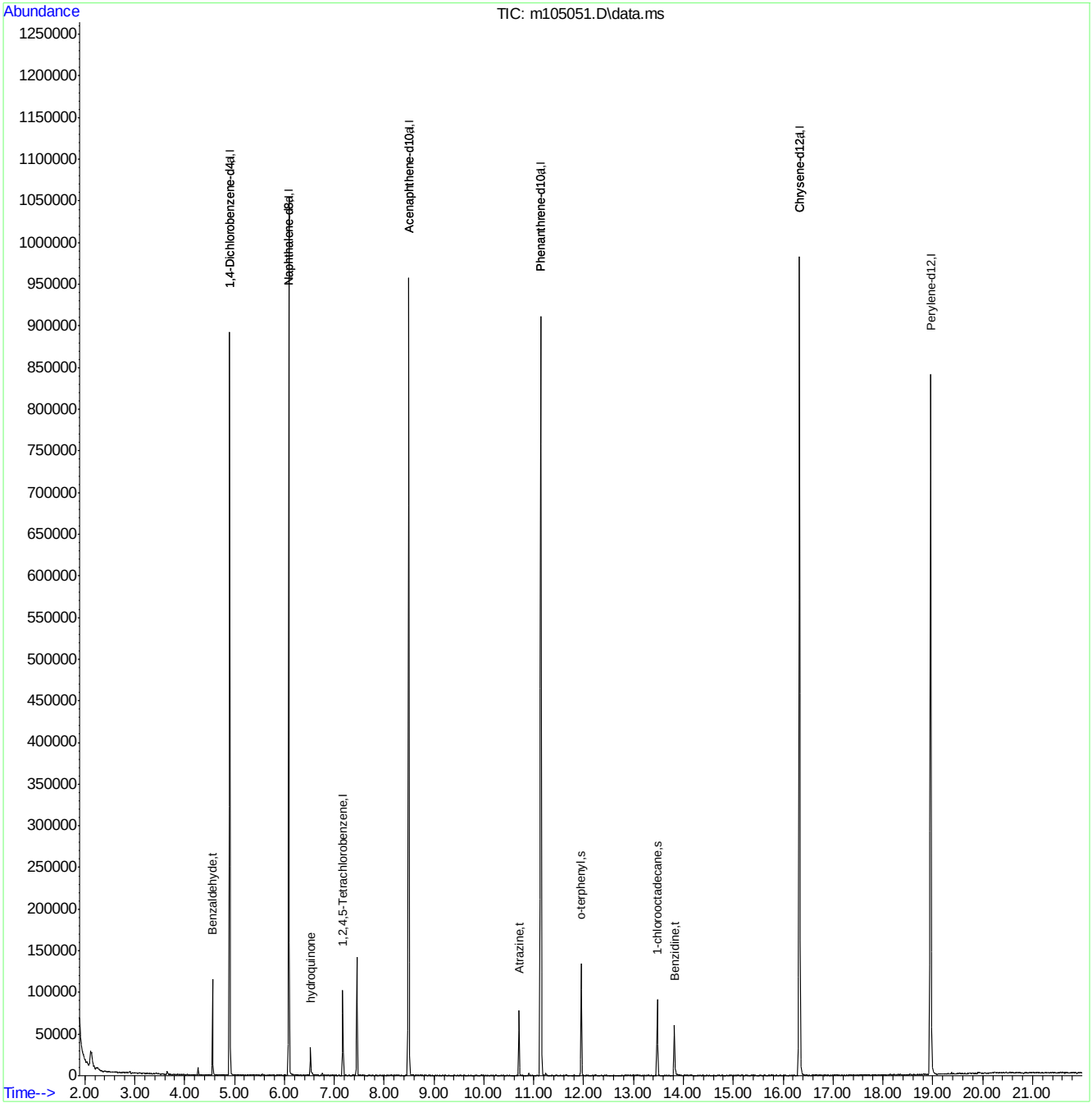
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	120942	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	440866	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	263292	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	456172	40.00	ppb	0.00
83) Chrysene-d12	16.328	240	467475	40.00	ppb	0.00
92) Perylene-d12	18.956	264	412929	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	120942	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	263292	40.00	ppb	0.00
107) Chrysene-d12a	16.328	240	467475	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	456172	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	440866	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.475	57	13881	4.52	ppb	0.00
Spiked Amount 50.000			Recovery =	9.04%		
111) o-terphenyl	11.953	230	35998	5.32	ppb	0.00
Spiked Amount 50.000			Recovery =	10.64%		
Target Compounds						Qvalue
103) Benzaldehyde	4.559	105	18172	6.73	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.172	216	20720	5.50	ppb	98
106) Atrazine	10.708	215	6448	4.61	ppb	97
108) Benzidine	13.817	184	35464	6.70	ppb	96
113) hydroquinone	6.520	110	15876	3.15	ppb	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105051.D
Acq On : 12 Jun 2014 5:17 pm
Operator : saumilp
Sample : IC4301-5
Misc : op73826,em4301
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 08:27:58 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105052.D
Acq On : 12 Jun 2014 5:47 pm
Operator : saumilp
Sample : IC4301-2
Misc : op73826,em4301
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 08:28:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

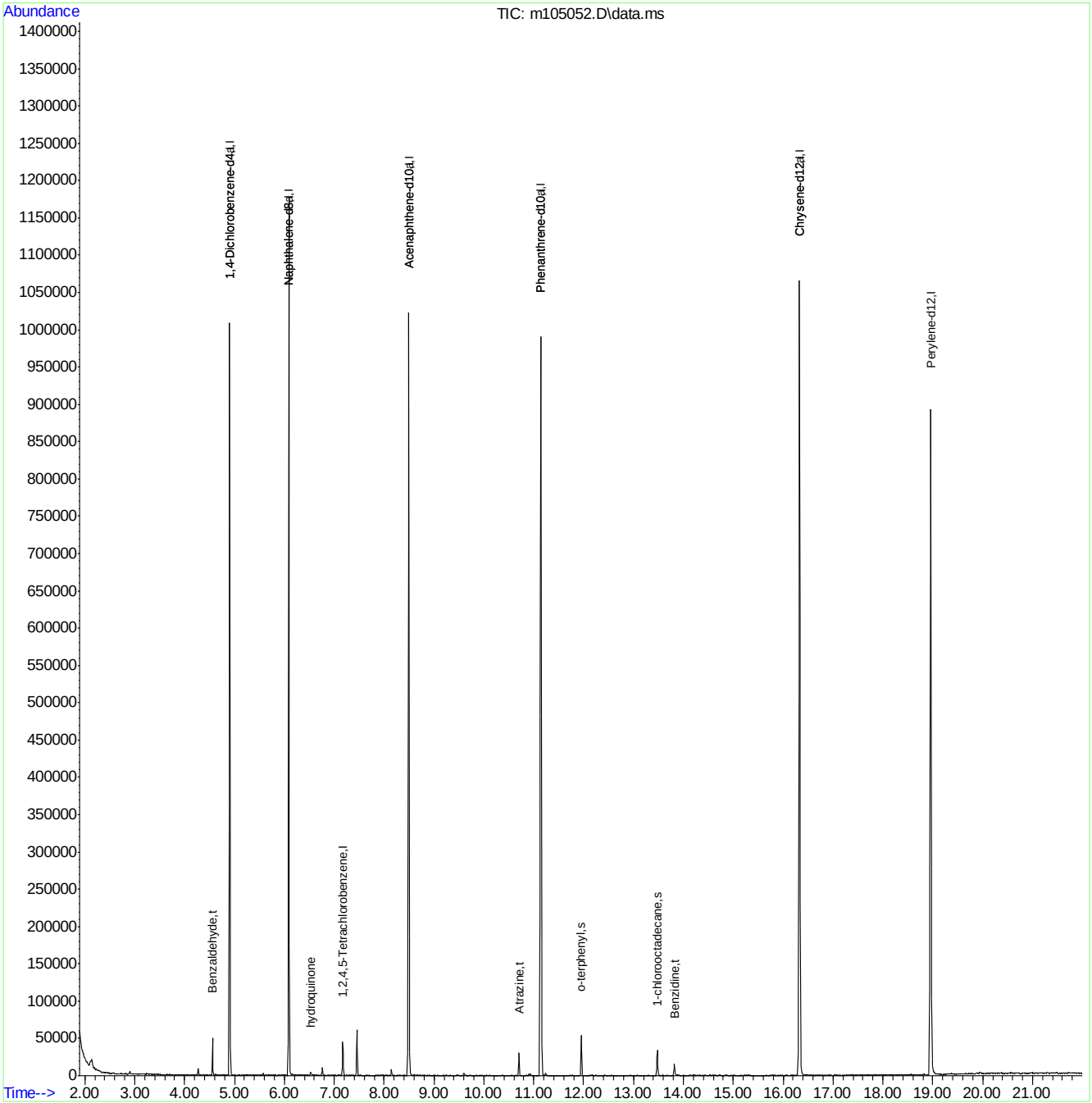
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	140009	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	501807	40.00	ppb	0.00
47) Acenaphthene-d10	8.497	164	302655	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	520761	40.00	ppb	0.00
83) Chrysene-d12	16.328	240	539767	40.00	ppb	0.00
92) Perylene-d12	18.962	264	477290	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	140009	40.00	ppb	0.00
104) Acenaphthene-d10a	8.497	164	302655	40.00	ppb	0.00
107) Chrysene-d12a	16.328	240	539767	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	520761	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	501807	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.476	57	5067	1.43	ppb	0.00
Spiked Amount 50.000			Recovery =	2.86%		
111) o-terphenyl	11.953	230	15003	1.94	ppb	0.00
Spiked Amount 50.000			Recovery =	3.88%		
Target Compounds						Qvalue
103) Benzaldehyde	4.560	105	7936	2.54	ppb	94
105) 1,2,4,5-Tetrachloroben...	7.172	216	9682	2.24	ppb	95
106) Atrazine	10.708	215	2224	1.38	ppb	96
108) Benzidine	13.817	184	12093	1.98	ppb	97
113) hydroquinone	6.525	110	3369	0.59	ppb	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105052.D
Acq On : 12 Jun 2014 5:47 pm
Operator : saumilp
Sample : IC4301-2
Misc : op73826,em4301
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 08:28:36 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



MM4300.M Fri Jun 13 08:28:46 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105053.D
Acq On : 12 Jun 2014 6:16 pm
Operator : saumilp
Sample : IC4301-1
Misc : op73826,em4301
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:29:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration

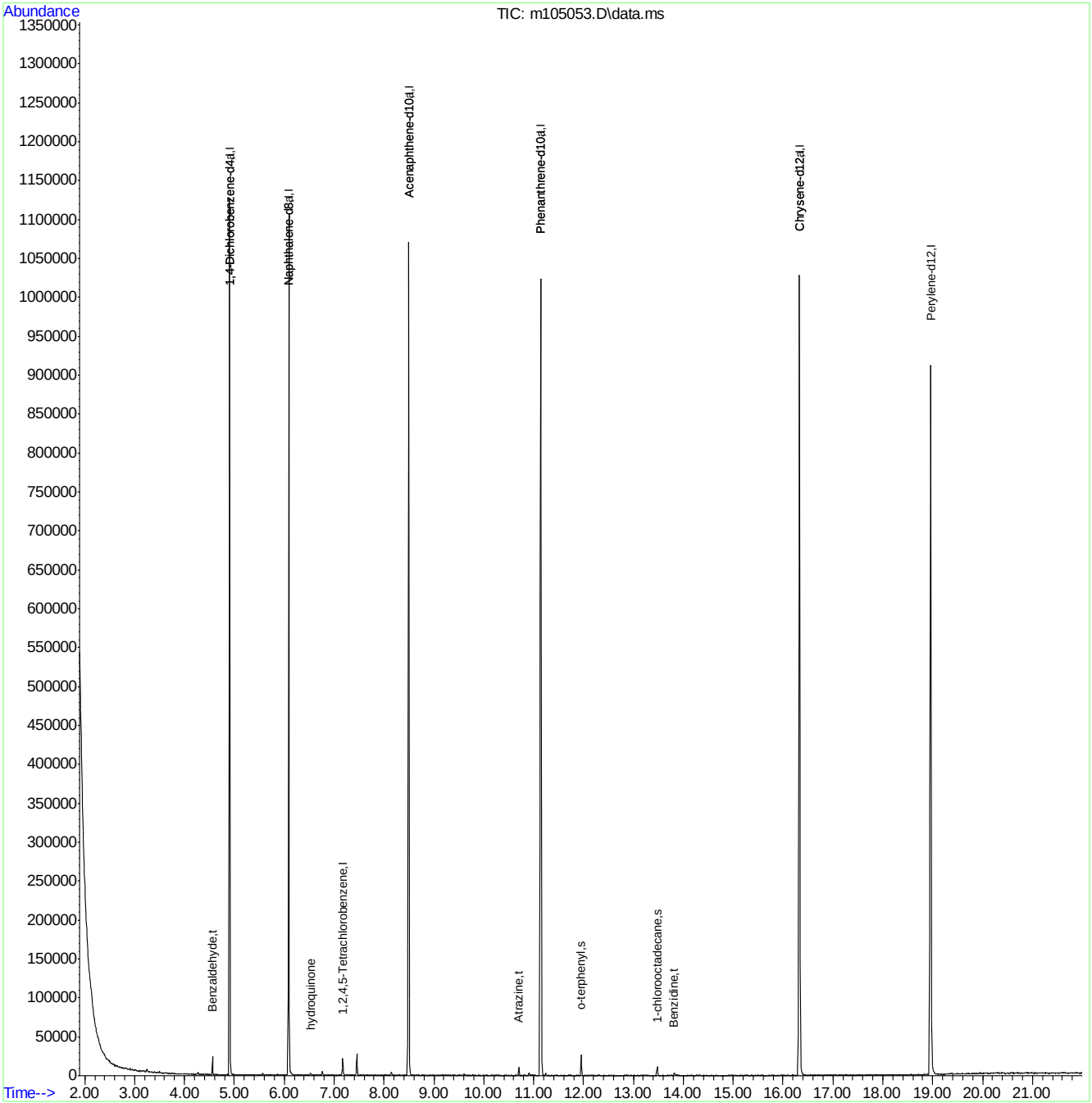
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.903	152	141604	40.00	ppb	0.00
24) Naphthalene-d8	6.089	136	511668	40.00	ppb	0.00
47) Acenaphthene-d10	8.493	164	303007	40.00	ppb	0.00
69) Phenanthrene-d10	11.143	188	515795	40.00	ppb	0.00
83) Chrysene-d12	16.330	240	529072	40.00	ppb	0.00
92) Perylene-d12	18.958	264	472271	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	141604	40.00	ppb	0.00
104) Acenaphthene-d10a	8.493	164	303007	40.00	ppb	0.00
107) Chrysene-d12a	16.330	240	529072	40.00	ppb	0.00
110) Phenanthrene-d10a	11.143	188	515795	40.00	ppb	0.00
112) Naphthalene-d8a	6.089	136	511668	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	13.472	57	2342	0.67	ppb	0.00
Spiked Amount 50.000			Recovery =	1.34%		
111) o-terphenyl	11.950	230	7227	0.94	ppb	0.00
Spiked Amount 50.000			Recovery =	1.88%		
Target Compounds						Qvalue
103) Benzaldehyde	4.561	105	3875	1.23	ppb	89
105) 1,2,4,5-Tetrachloroben...	7.174	216	4771	1.10	ppb	93
106) Atrazine	10.700	215	1247	0.77	ppb	97
108) Benzidine	13.814	184	3931	0.66	ppb	93
113) hydroquinone	6.533	110	1713	0.29	ppb	50

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105053.D
Acq On : 12 Jun 2014 6:16 pm
Operator : saumilp
Sample : IC4301-1
Misc : op73826,em4301
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 08:29:13 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jun 12 16:44:42 2014
Response via : Initial Calibration



MM4300.M Fri Jun 13 08:29:22 2014 MSM Page: 2

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/16/14 13:29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:59:24 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.903	152	95366	40.00	ppb	0.00
24) Naphthalene-d8	6.089	136	343981	40.00	ppb	0.00
47) Acenaphthene-d10	8.493	164	205702	40.00	ppb	0.00
69) Phenanthrene-d10	11.143	188	350423	40.00	ppb	0.00
83) Chrysene-d12	16.330	240	358812	40.00	ppb	0.00
92) Perylene-d12	18.958	264	324654	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	95366	40.00	ppb	0.00
104) Acenaphthene-d10a	8.493	164	205702	40.00	ppb	0.00
107) Chrysene-d12a	16.330	240	358812	40.00	ppb	0.00
110) Phenanthrene-d10a	11.143	188	350423	40.00	ppb	0.00
112) Naphthalene-d8a	6.089	136	343981	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	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
3) Pyridine	2.777	79	173174	40.62	ppb	95
4) N-Nitrosodimethylamine	2.745	42	65133	42.24	ppb	90
11) bis(2-Chloroethyl)ether	4.684	93	161051	46.51	ppb	97
14) 1,3-Dichlorobenzene	4.861	146	167362	42.88	ppb	97
15) 1,4-Dichlorobenzene	4.919	146	169253	41.72	ppb	97
16) Benzyl alcohol	5.010	108	106740	41.96	ppb	99
17) 1,2-Dichlorobenzene	5.048	146	161675	43.00	ppb	98
20) 2,2'-oxybis(1-Chloropr...	5.122	121	51108	46.44	ppb	97
22) n-Nitroso-di-n-propyla...	5.234	70	113059	44.08	ppb	95
23) Hexachloroethane	5.341	201	60607	43.86	ppb	98
26) Nitrobenzene	5.389	77	170047	42.31	ppb	97
28) Isophorone	5.603	82	289593	41.73	ppb	99
32) bis(2-Chloroethoxy)met...	5.817	93	186449	47.20	ppb	99
36) 1,2,4-Trichlorobenzene	6.025	180	137554	42.95	ppb	98
38) Naphthalene	6.111	128	446368	42.20	ppb	99
42) Hexachlorobutadiene	6.255	225	80653	43.85	ppb	97
44) 2-Methylnaphthalene	6.944	141	247397	42.42	ppb	98
48) Hexachlorocyclopentadiene	7.174	237	71443	40.83	ppb	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:59:24 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

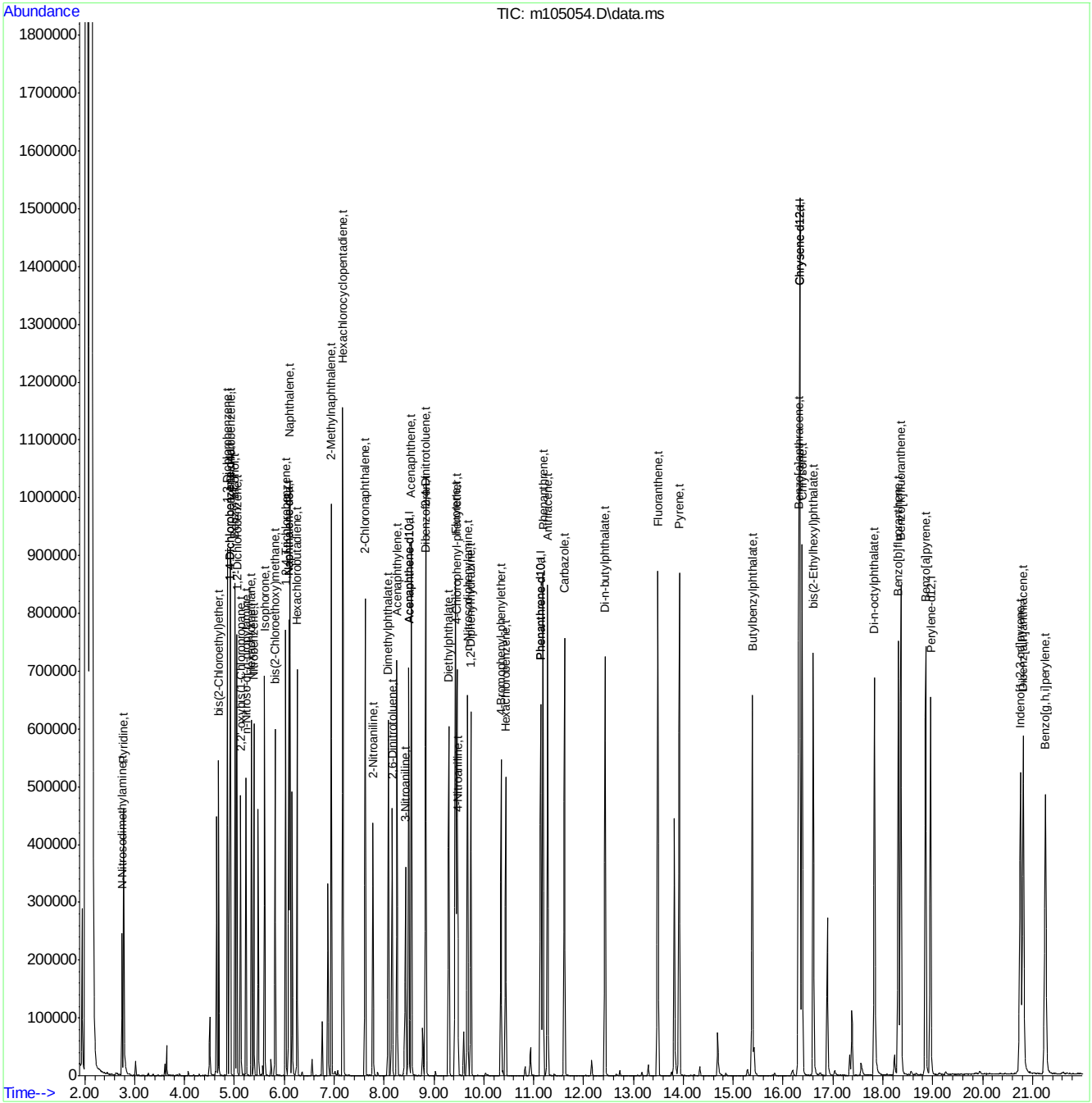
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52)	2-Chloronaphthalene	7.622	162	288306	43.07	ppb	99
54)	2-Nitroaniline	7.777	65	82182	44.90	ppb	93
55)	Dimethylphthalate	8.087	163	315590	44.52	ppb	100
56)	Acenaphthylene	8.258	152	385581	37.67	ppb	99
57)	2,6-Dinitrotoluene	8.167	165	68893	45.02	ppb	98
58)	3-Nitroaniline	8.429	138	71154	39.55	ppb	94
59)	Acenaphthene	8.547	153	281841	44.40	ppb	96
62)	Dibenzofuran	8.840	168	403463	43.26	ppb	99
63)	2,4-Dinitrotoluene	8.830	165	86558	41.35	ppb	99
65)	Diethylphthalate	9.300	149	313883	45.50	ppb	99
66)	Fluorene	9.433	166	322626	44.52	ppb	99
67)	4-Chlorophenyl-phenyle...	9.460	204	162755	46.30	ppb	99
68)	4-Nitroaniline	9.481	138	82684	44.46	ppb	96
71)	n-Nitrosodiphenylamine	9.674	169	222786	46.33	ppb	98
72)	1,2-Diphenylhydrazine	9.738	77	349121	44.89	ppb	97
74)	4-Bromophenyl-phenylether	10.347	248	87372	48.05	ppb	98
75)	Hexachlorobenzene	10.438	284	87885	44.21	ppb	94
77)	Phenanthrene	11.186	178	448365	42.13	ppb	99
78)	Anthracene	11.282	178	455102	42.99	ppb	100
79)	Carbazole	11.618	167	434804	43.26	ppb	100
80)	Di-n-butylphthalate	12.430	149	531966	47.91	ppb	100
81)	Fluoranthene	13.488	202	500673	44.55	ppb	99
84)	Pyrene	13.921	202	525230	42.43	ppb	99
87)	Butylbenzylphthalate	15.385	149	236779	47.38	ppb	99
88)	Benzo[a]anthracene	16.314	228	473344	42.50	ppb	98
90)	Chrysene	16.384	228	476941m	45.11	ppb	
91)	bis(2-Ethylhexyl)phtha...	16.603	149	319592	47.84	ppb	100
93)	Di-n-octylphthalate	17.831	149	546448	42.62	ppb	99
94)	Benzo[b]fluoranthene	18.312	252	456864	39.68	ppb	99
95)	Benzo[k]fluoranthene	18.360	252	468212	41.18	ppb	99
96)	Benzo[a]pyrene	18.857	252	436316m	43.27	ppb	
97)	Indeno[1,2,3-cd]pyrene	20.759	276	377828	41.91	ppb	97
99)	Dibenz[a,h]anthracene	20.817	278	406581	43.04	ppb	98
101)	Benzo[g,h,i]perylene	21.261	276	406124	44.57	ppb	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:59:24 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Manual Integration Approval Summary

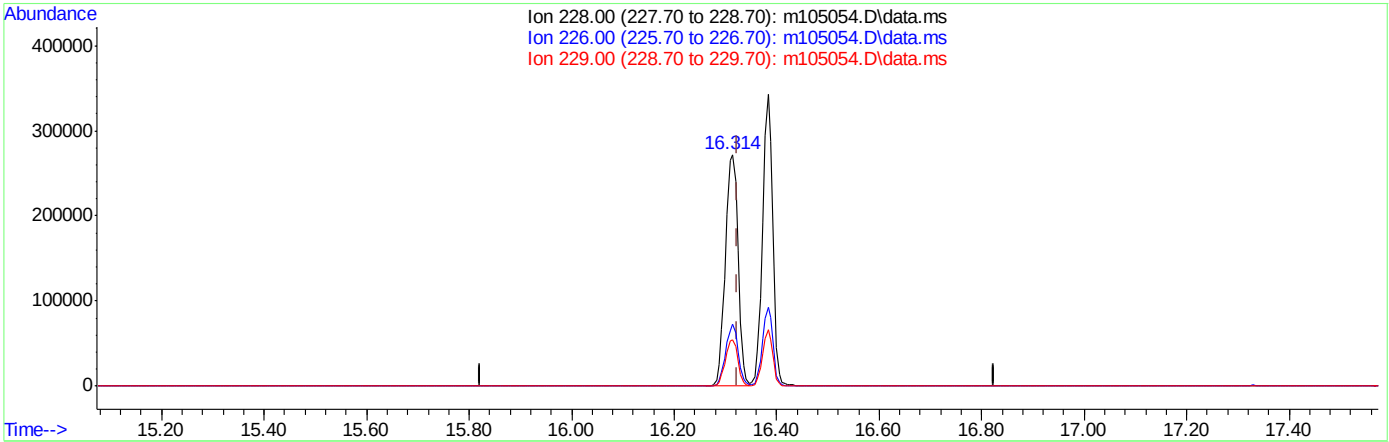
Sample Number:	EM4301-ICV4300	**Method:**	SW846 8270D
Lab FileID:	M105054.D	**Analyst approved:**	06/13/14 09:23 Saumil Patel
Injection Time:	06/12/14 18:45	**Supervisor approved:**	06/16/14 13:29 Nina Pandya

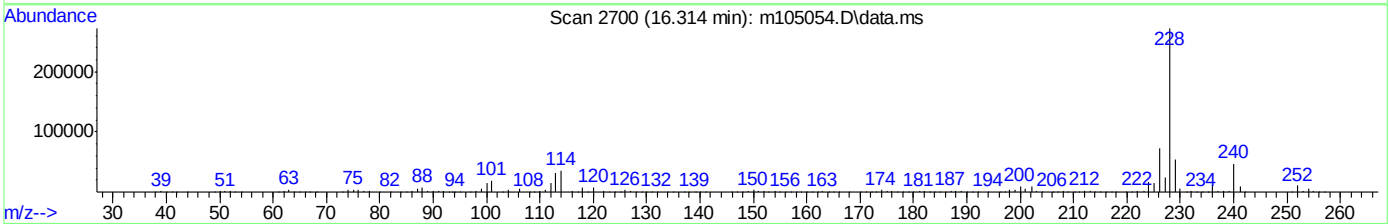
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chrysene	218-01-9		16.38	Poor instrument integration
Benzo(a)pyrene	50-32-8		18.86	Poor instrument integration

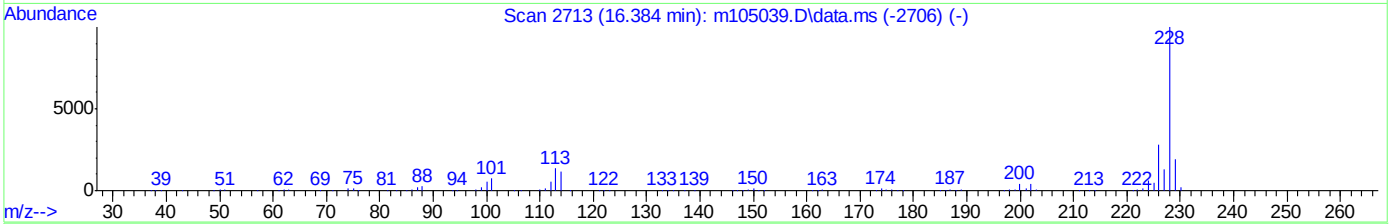
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(90) Chrysene (t)

16.314min (-0.010) 44.77ppb

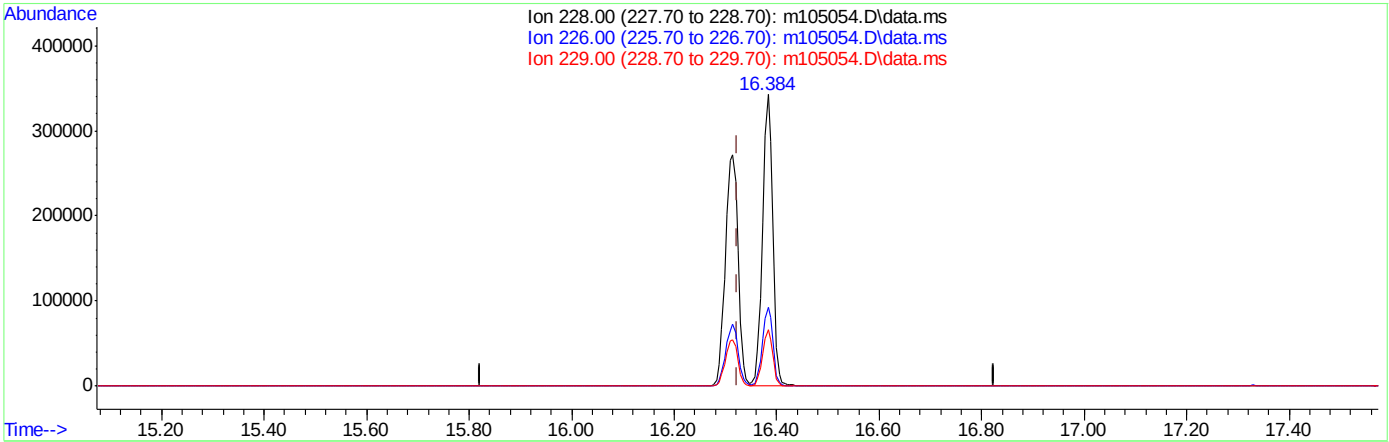
response 473344

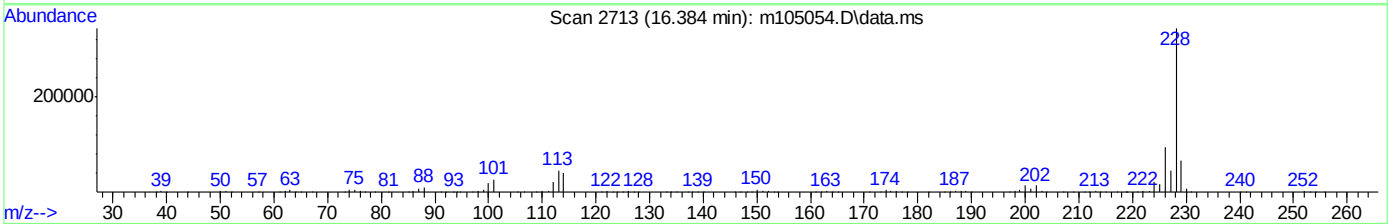
Ion	Exp%	Act%
228.00	100	100
226.00	28.20	26.52
229.00	18.90	20.11
0.00	0.00	0.00

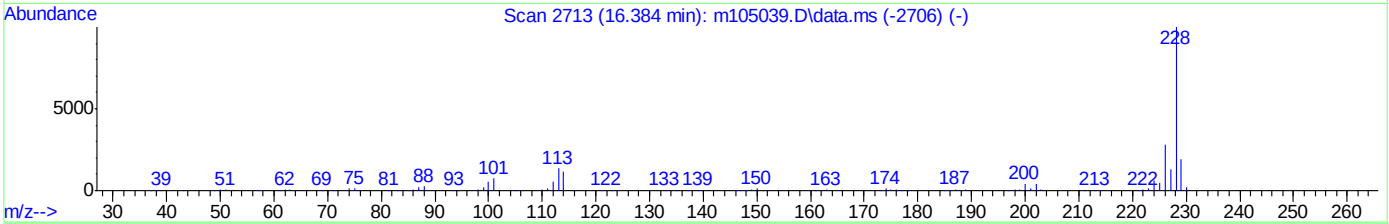
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(90) Chrysene (t)

16.384min (+0.060) 45.11ppb m

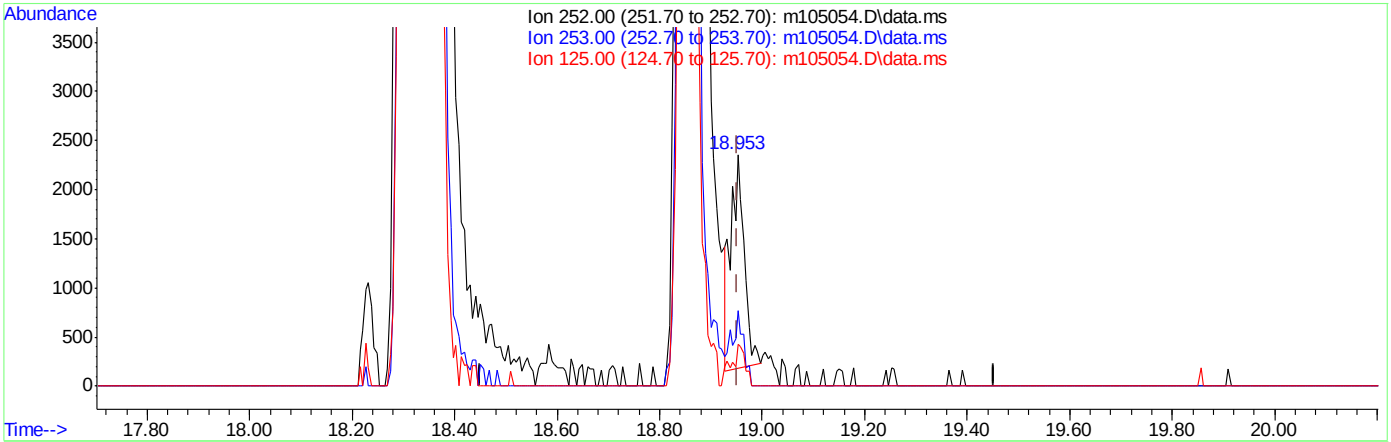
response 476941

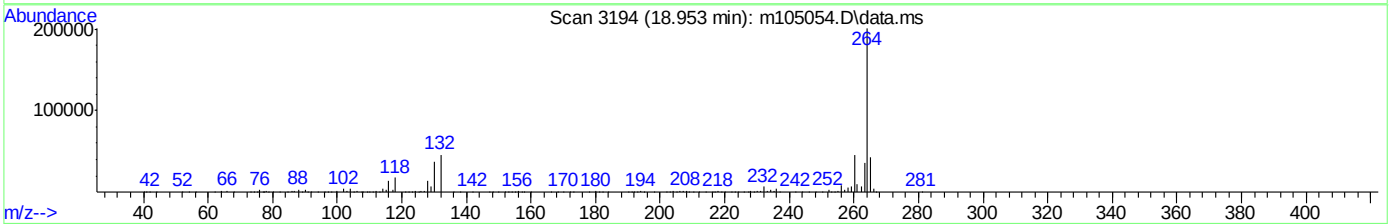
Ion	Exp%	Act%
228.00	100	100
226.00	28.20	27.18
229.00	18.90	19.54
0.00	0.00	0.00

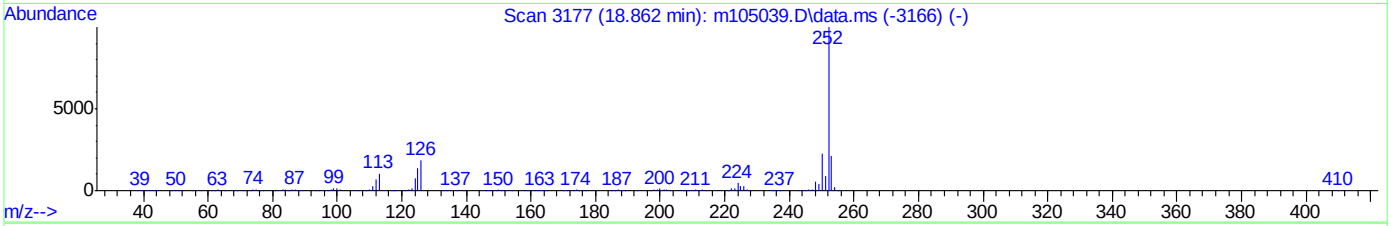
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(96) Benzo[a]pyrene (t)

18.953min (+0.001) 0.40ppb

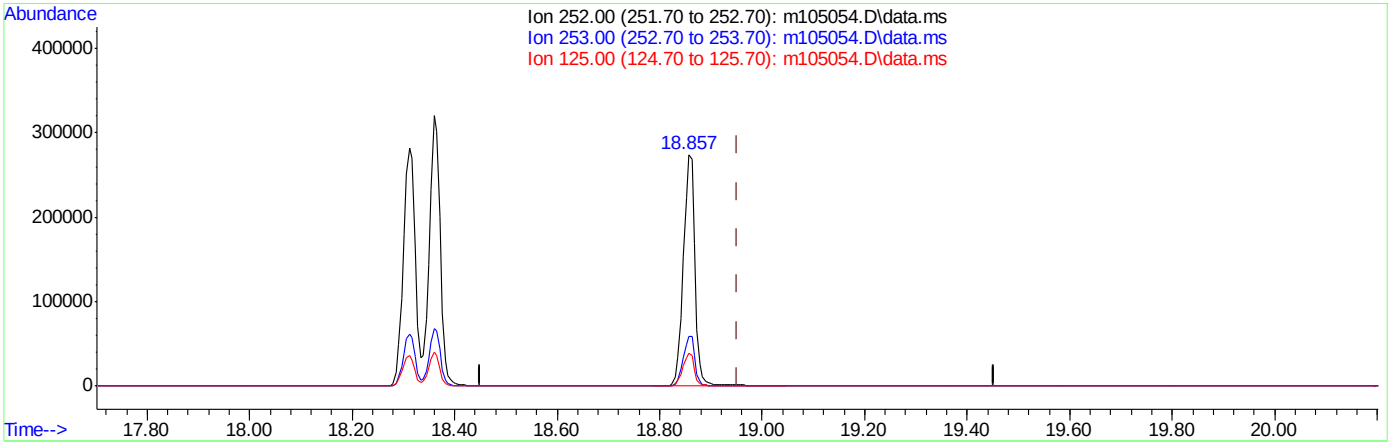
response 4047

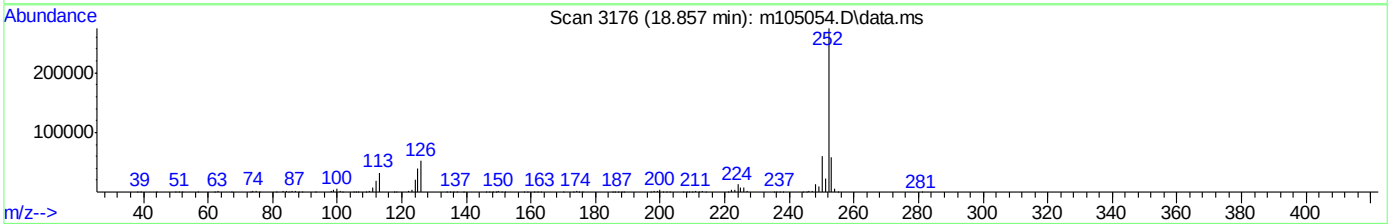
Ion	Exp%	Act%
252.00	100	100
253.00	21.20	40.71
125.00	13.70	21.17
0.00	0.00	0.00

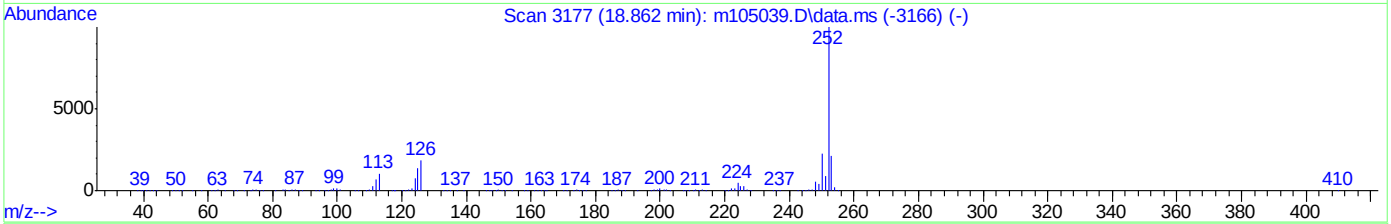
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 08:47:21 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration







TIC: m105054.D\data.ms

(96) Benzo[a]pyrene (t)

18.857min (-0.095) 43.27ppb m

response 436316

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	21.41
125.00	13.70	14.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054a.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 09:01:19 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

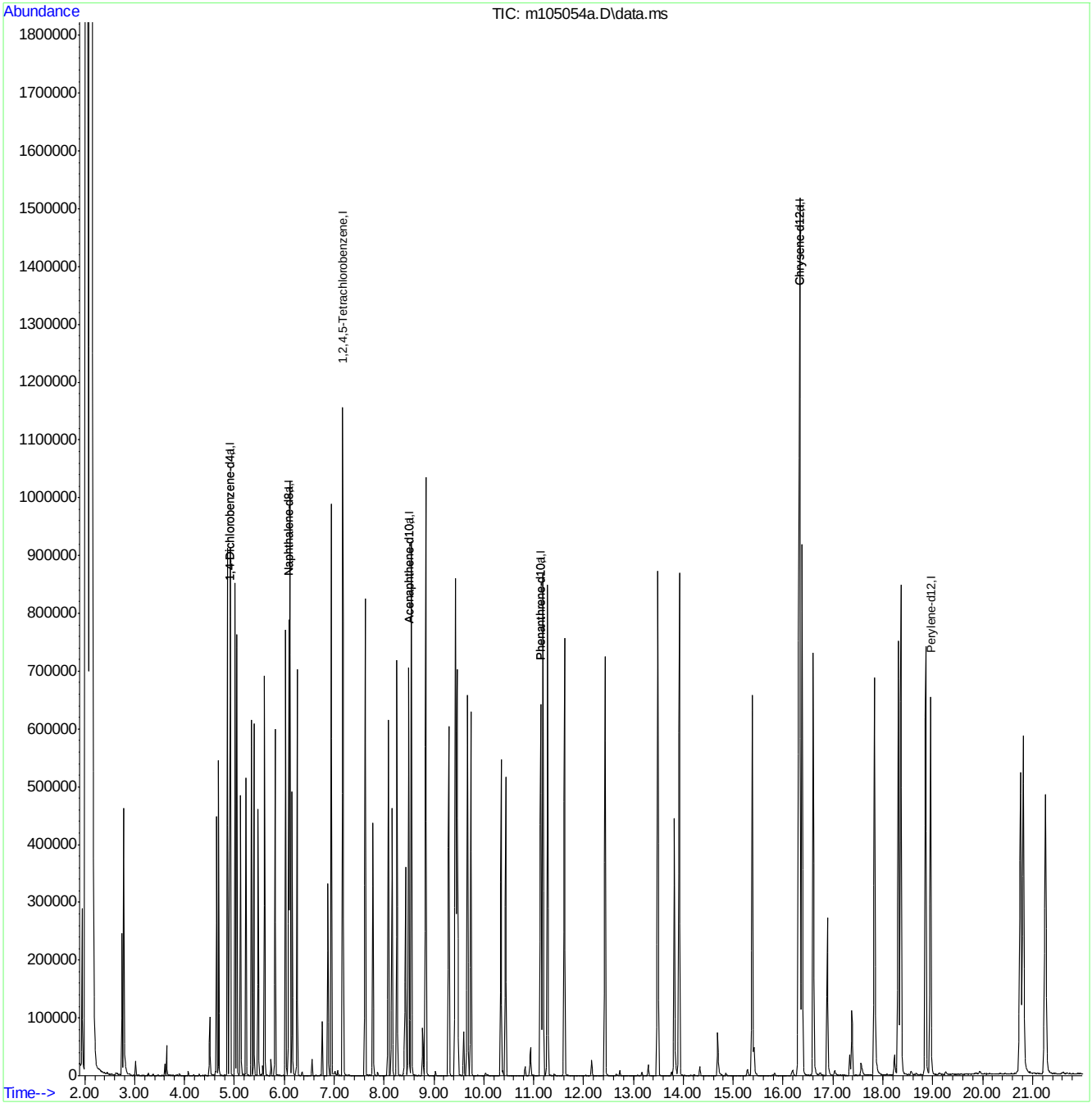
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.903	152	95366	40.00	ppb	0.00
24) Naphthalene-d8	6.089	136	343981	40.00	ppb	0.00
47) Acenaphthene-d10	8.493	164	205702	40.00	ppb	0.00
69) Phenanthrene-d10	11.143	188	350423	40.00	ppb	0.00
83) Chrysene-d12	16.330	240	358812	40.00	ppb	0.00
92) Perylene-d12	18.958	264	324654	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.903	152	95366	40.00	ppb	0.00
104) Acenaphthene-d10a	8.493	164	205702	40.00	ppb	0.00
107) Chrysene-d12a	16.330	240	358812	40.00	ppb	0.00
110) Phenanthrene-d10a	11.143	188	350423	40.00	ppb	0.00
112) Naphthalene-d8a	6.089	136	343981	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	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
105) 1,2,4,5-Tetrachloroben...	7.174	216	154364	49.45	ppb	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105054a.D
Acq On : 12 Jun 2014 6:45 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 13 09:01:19 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:04:57 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

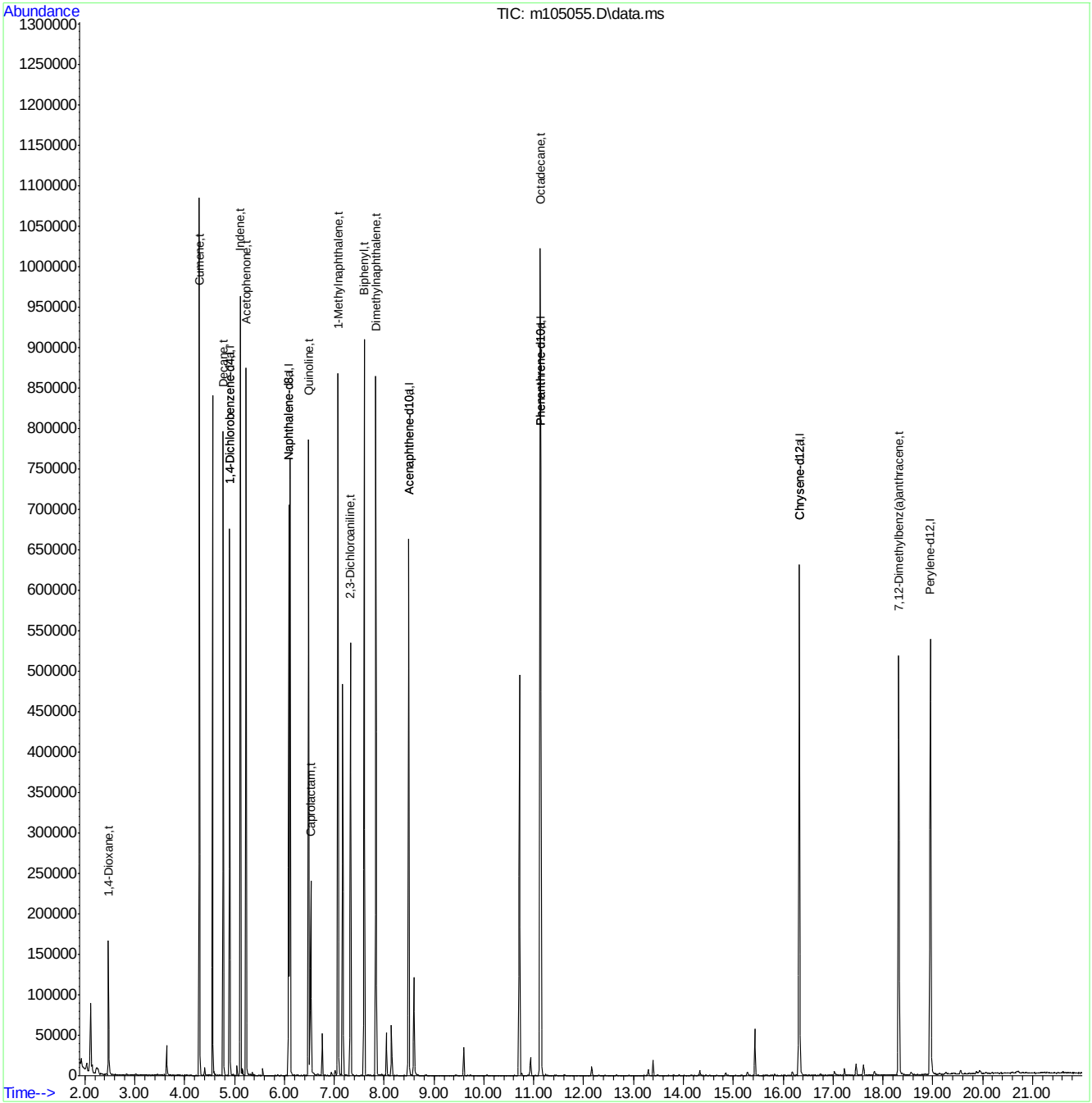
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	88794	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	316524	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	185401	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	304906	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	312879	40.00	ppb	0.00
92) Perylene-d12	18.951	264	262761	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	88794	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	185401	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	312879	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	304906	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	316524	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	2.471	88	64360	40.21	ppb	95
6) Indene	5.115	116	262990	44.91	ppb	99
7) Cumene	4.298	105	359529	42.88	ppb	100
13) Decane	4.773	43	109104	42.01	ppb	98
18) Acetophenone	5.233	105	219847	44.72	ppb	98
27) Quinoline	6.483	129	288020	43.06	ppb	99
40) 2,3-Dichloroaniline	7.327	161	128383	39.67	ppb	95
41) Caprolactam	6.531	55	53588	41.27	ppb	98
45) 1-Methylnaphthalene	7.076	142	262351	42.53	ppb	98
46) Dimethylnaphthalene	7.834	156	239516	43.04	ppb	95
53) Biphenyl	7.599	154	332896	43.86	ppb	98
82) Octadecane	11.130	57	149979	48.76	ppb	97
100) 7,12-Dimethylbenz(a)an...	18.316	256	144877	34.20	ppb	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:04:57 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



MM4300.M Mon Jun 16 13:01:39 2014 MSM Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055a.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:05:44 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

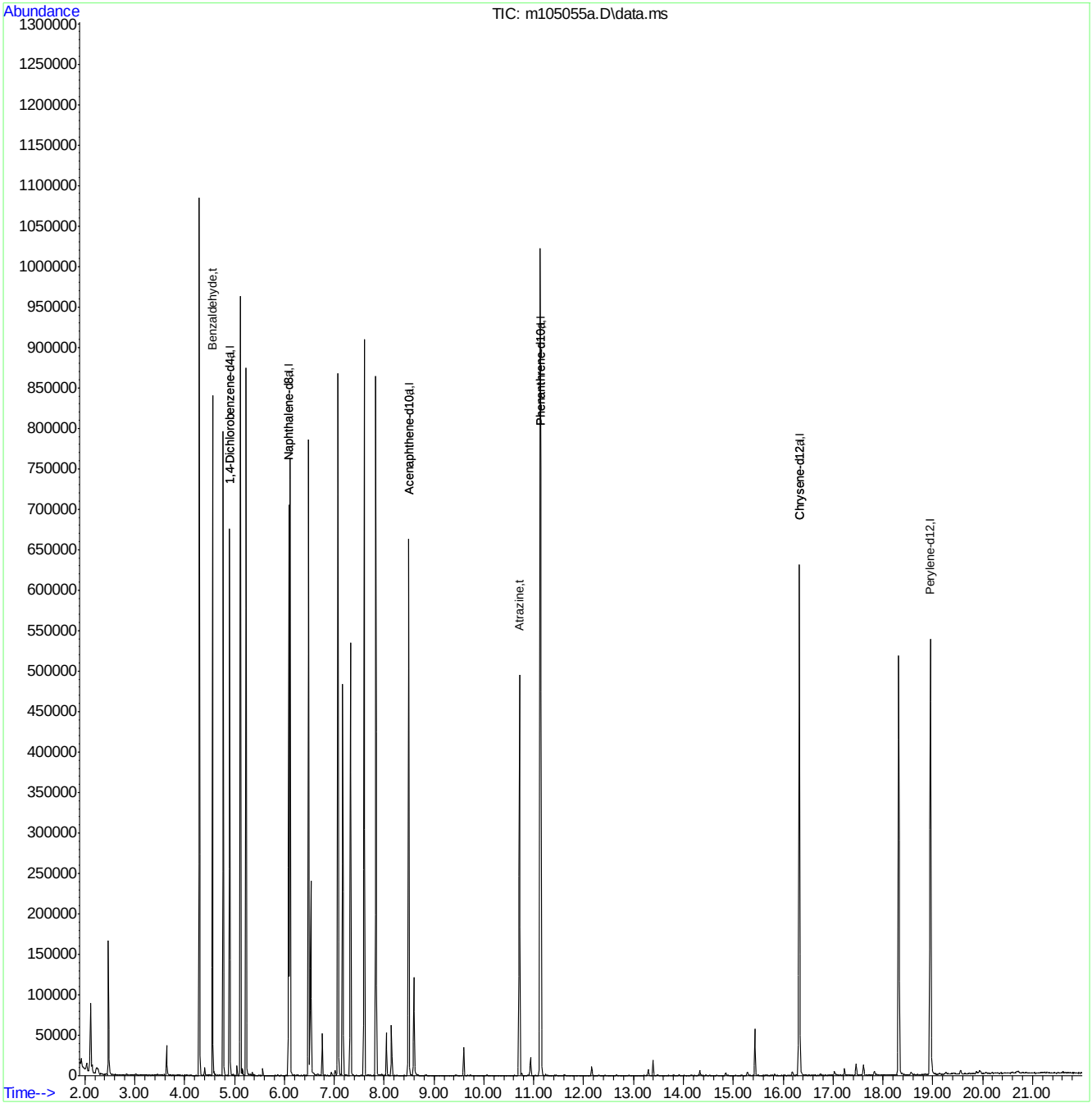
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	88794	40.00	ppb	0.00
24) Naphthalene-d8	6.087	136	316524	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	185401	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	304906	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	312879	40.00	ppb	0.00
92) Perylene-d12	18.951	264	262761	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	88794	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	185401	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	312879	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	304906	40.00	ppb	0.00
112) Naphthalene-d8a	6.087	136	316524	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	0d	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.560	105	133123	54.70	ppb	97
106) Atrazine	10.714	215	44731	49.51	ppb	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105055a.D
Acq On : 12 Jun 2014 7:15 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 09:05:44 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105056.D
Acq On : 12 Jun 2014 7:44 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 09:06:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

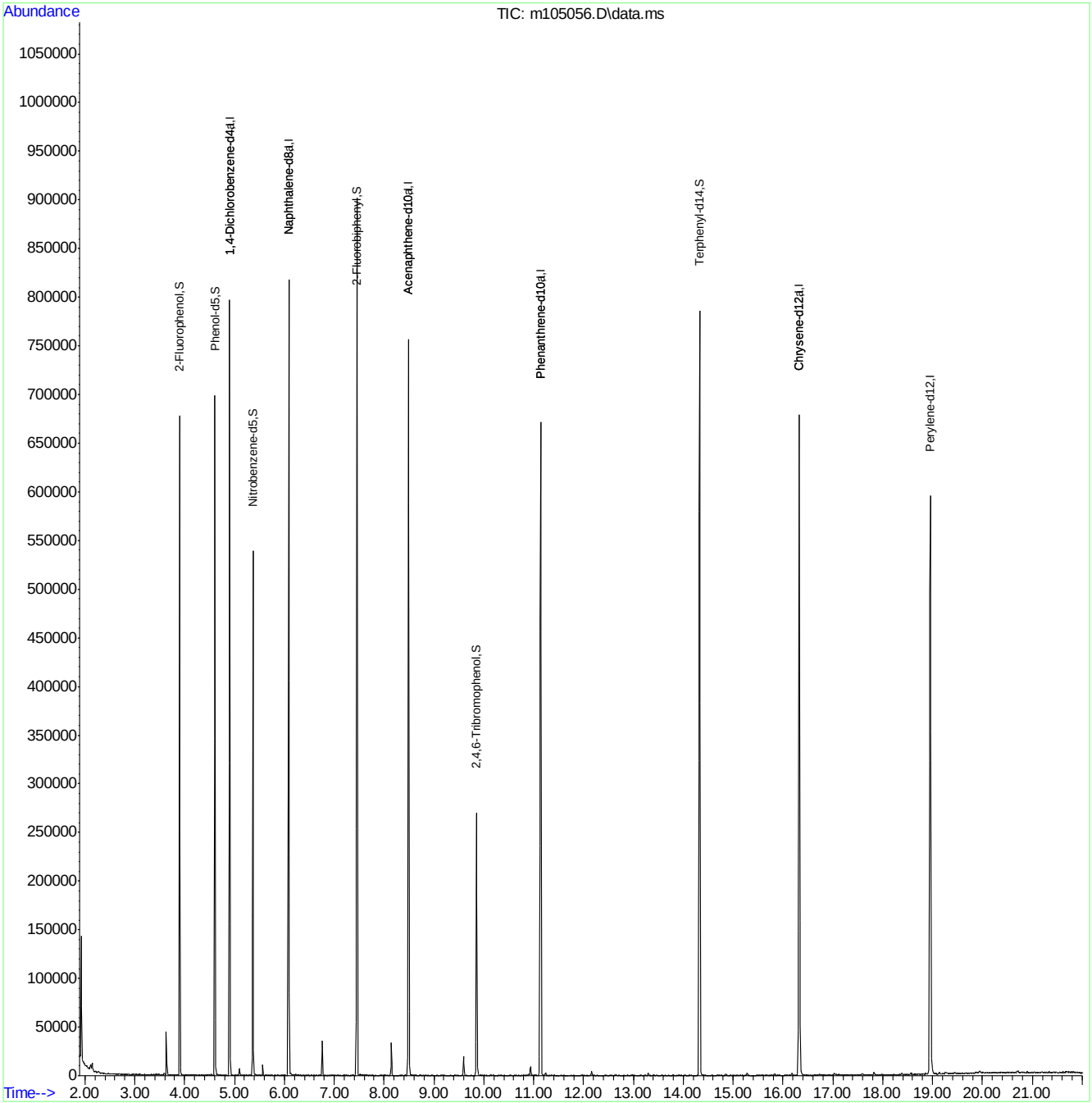
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.900	152	101895	40.00	ppb	0.00
24) Naphthalene-d8	6.086	136	363456	40.00	ppb	0.00
47) Acenaphthene-d10	8.490	164	210900	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	348556	40.00	ppb	0.00
83) Chrysene-d12	16.322	240	346701	40.00	ppb	0.00
92) Perylene-d12	18.950	264	303587	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.900	152	101895	40.00	ppb	0.00
104) Acenaphthene-d10a	8.490	164	210900	40.00	ppb	0.00
107) Chrysene-d12a	16.322	240	346701	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	348556	40.00	ppb	0.00
112) Naphthalene-d8a	6.086	136	363456	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.902	112	154809	42.63	ppb	0.00
Spiked Amount 50.000			Recovery =	85.26%		
8) Phenol-d5	4.607	99	189349	40.03	ppb	0.00
Spiked Amount 50.000			Recovery =	80.06%		
25) Nitrobenzene-d5	5.371	82	162055	43.02	ppb	0.00
Spiked Amount 50.000			Recovery =	86.04%		
51) 2-Fluorobiphenyl	7.454	172	315364	43.13	ppb	0.00
Spiked Amount 50.000			Recovery =	86.26%		
73) 2,4,6-Tribromophenol	9.853	330	34076	44.42	ppb	0.00
Spiked Amount 50.000			Recovery =	88.84%		
86) Terphenyl-d14	14.324	244	350300	45.09	ppb	0.00
Spiked Amount 50.000			Recovery =	90.18%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105056.D
Acq On : 12 Jun 2014 7:44 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 09:06:34 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105057.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 09:07:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

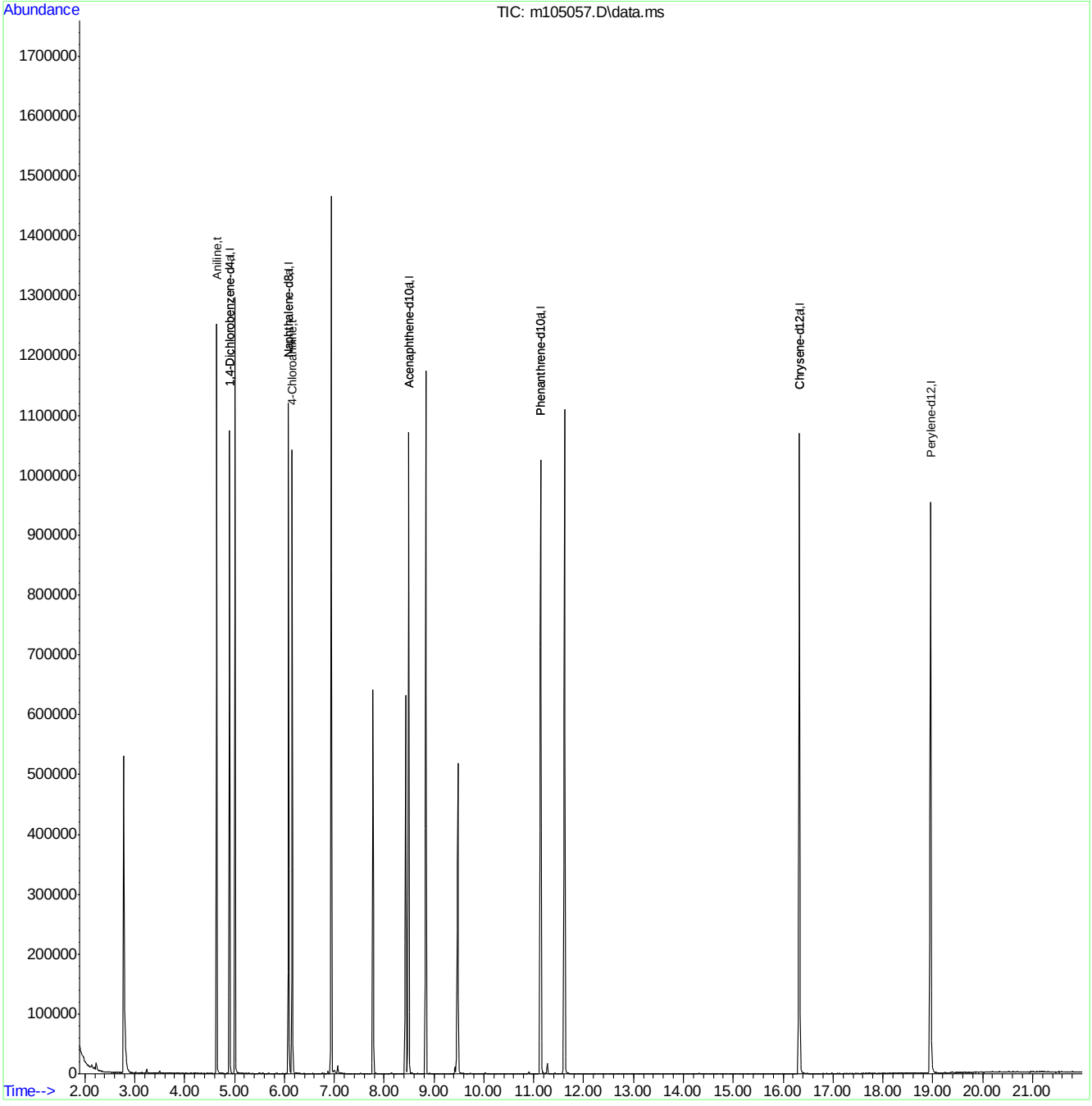
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.902	152	137344	40.00	ppb	0.00
24) Naphthalene-d8	6.082	136	500318	40.00	ppb	0.00
47) Acenaphthene-d10	8.492	164	306083	40.00	ppb	0.00
69) Phenanthrene-d10	11.141	188	528882	40.00	ppb	0.00
83) Chrysene-d12	16.328	240	554319	40.00	ppb	0.00
92) Perylene-d12	18.957	264	493499	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.902	152	137344	40.00	ppb	0.00
104) Acenaphthene-d10a	8.492	164	306083	40.00	ppb	0.00
107) Chrysene-d12a	16.328	240	554319	40.00	ppb	0.00
110) Phenanthrene-d10a	11.141	188	528882	40.00	ppb	0.00
112) Naphthalene-d8a	6.082	136	500318	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Aniline	4.640	93	390619	46.62	ppb	98
39) 4-Chloroaniline	6.157	127	314791	46.76	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105057.D
Acq On : 12 Jun 2014 8:14 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 09:07:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:08:33 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

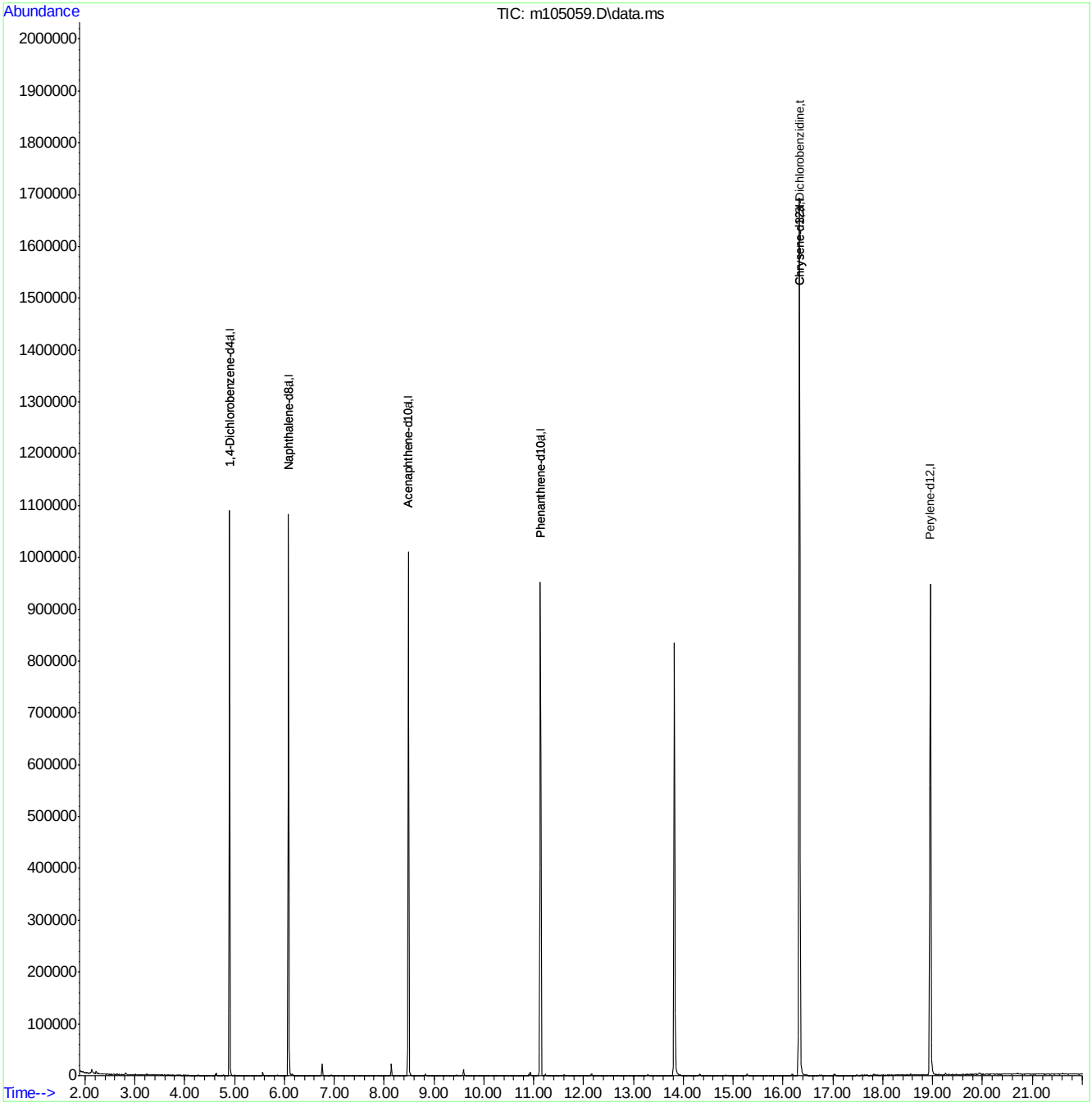
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	134895	40.00	ppb	0.00
24) Naphthalene-d8	6.081	136	474574	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	286500	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	498000	40.00	ppb	0.00
83) Chrysene-d12	16.327	240	519908	40.00	ppb	0.00
92) Perylene-d12	18.956	264	479529	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	134895	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	286500	40.00	ppb	0.00
107) Chrysene-d12a	16.327	240	519908	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	498000	40.00	ppb	0.00
112) Naphthalene-d8a	6.081	136	474574	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	16.333	252	240259	44.70	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:08:33 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059a.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:09:16 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

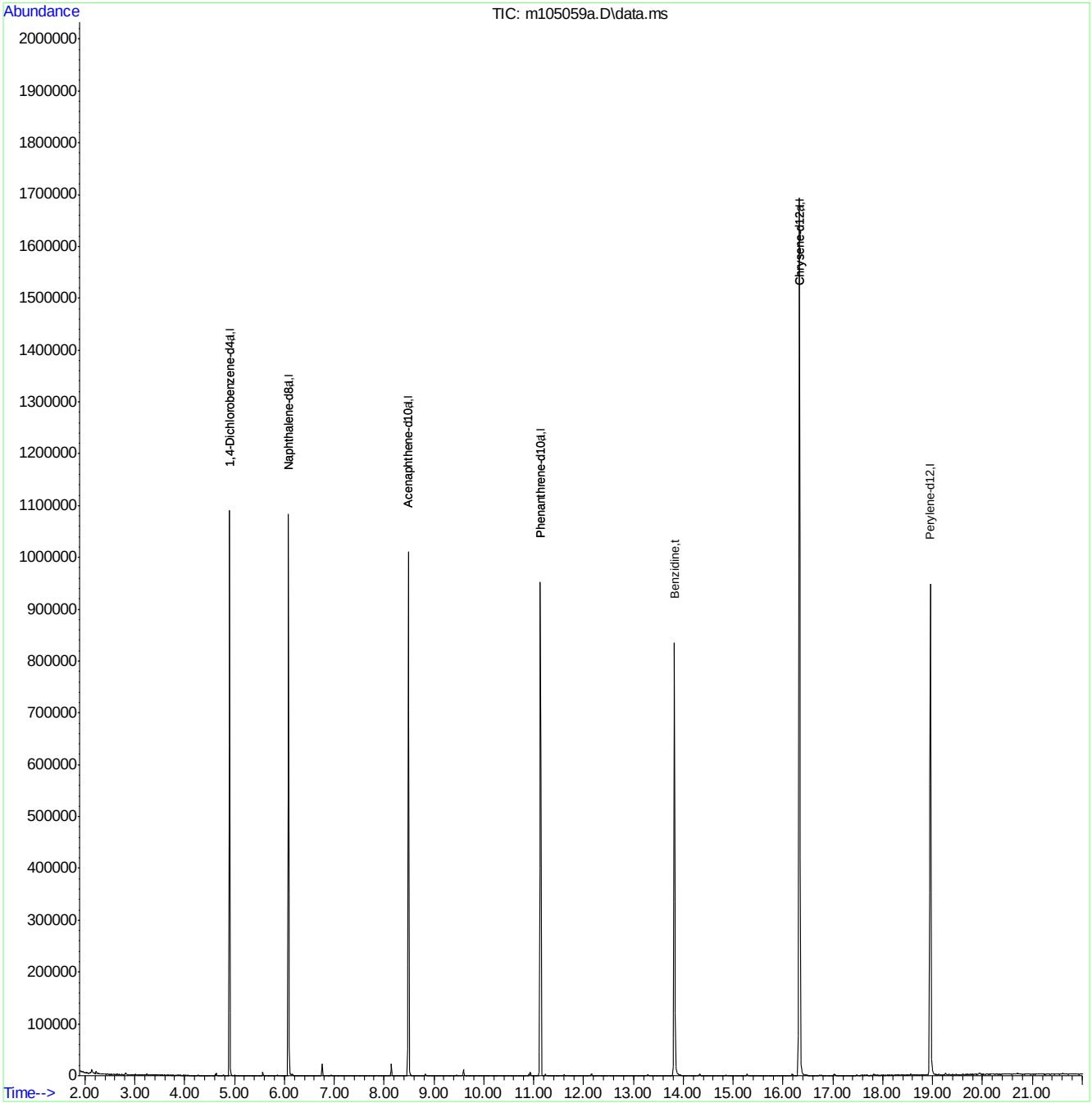
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	134895	40.00	ppb	0.00
24) Naphthalene-d8	6.081	136	474574	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	286500	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	498000	40.00	ppb	0.00
83) Chrysene-d12	16.327	240	519908	40.00	ppb	0.00
92) Perylene-d12	18.956	264	479529	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	134895	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	286500	40.00	ppb	0.00
107) Chrysene-d12a	16.327	240	519908	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	498000	40.00	ppb	0.00
112) Naphthalene-d8a	6.081	136	474574	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
108) Benzidine	13.822	184	456925	58.18	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105059a.D
Acq On : 12 Jun 2014 9:12 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 09:09:16 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105060.D
Acq On : 12 Jun 2014 9:42 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 09:10:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

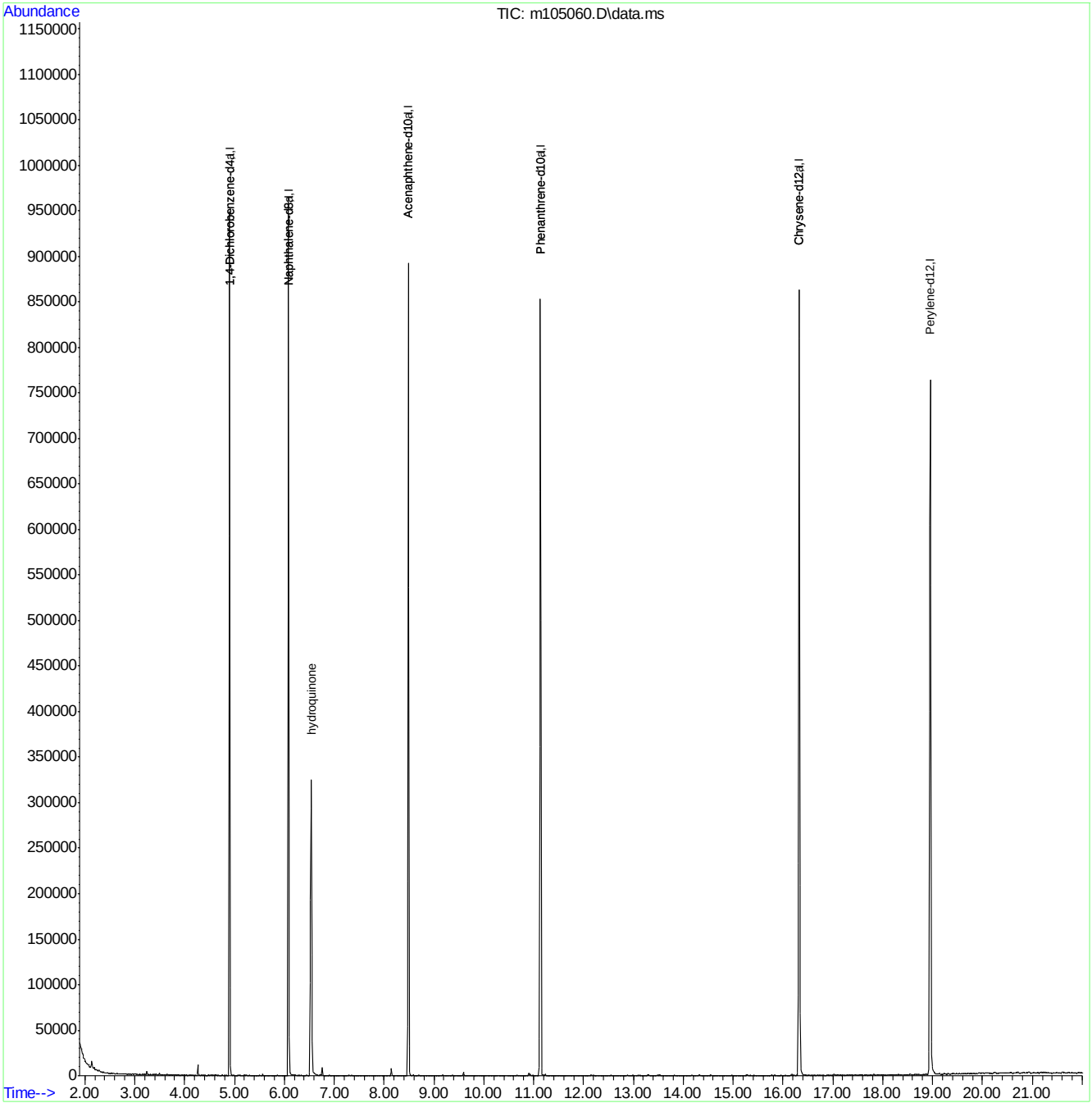
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.901	152	118535	40.00	ppb	0.00
24) Naphthalene-d8	6.082	136	422080	40.00	ppb	0.00
47) Acenaphthene-d10	8.491	164	252228	40.00	ppb	0.00
69) Phenanthrene-d10	11.135	188	439112	40.00	ppb	0.00
83) Chrysene-d12	16.323	240	457472	40.00	ppb	0.00
92) Perylene-d12	18.956	264	402018	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.901	152	118535	40.00	ppb	0.00
104) Acenaphthene-d10a	8.491	164	252228	40.00	ppb	0.00
107) Chrysene-d12a	16.323	240	457472	40.00	ppb	0.00
110) Phenanthrene-d10a	11.135	188	439112	40.00	ppb	0.00
112) Naphthalene-d8a	6.082	136	422080	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%		
86) Terphenyl-d14	0.000	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
111) o-terphenyl	0.000	230	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
113) hydroquinone	6.541	110	238973	55.74	ppb	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4301\
Data File : m105060.D
Acq On : 12 Jun 2014 9:42 pm
Operator : saumilp
Sample : ICV4301-50
Misc : op73826,em4301
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 09:10:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



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ACCUTEST LABORATORIES
JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105064.D
Acq On : 13 Jun 2014 9:54 am
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4302
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 10:22:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.899	152	143834	40.00	ppb		0.00
24) Naphthalene-d8	6.084	136	496670	40.00	ppb		0.00
47) Acenaphthene-d10	8.488	164	292610	40.00	ppb		0.00
69) Phenanthrene-d10	11.138	188	504284	40.00	ppb		0.00
83) Chrysene-d12	16.320	240	484783	40.00	ppb		0.00
92) Perylene-d12	18.948	264	400690	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.899	152	143834	40.00	ppb		0.00
104) Acenaphthene-d10a	8.488	164	292610	40.00	ppb		0.00
107) Chrysene-d12a	16.320	240	484783	40.00	ppb		-0.01
110) Phenanthrene-d10a	11.138	188	504284	40.00	ppb		0.00
112) Naphthalene-d8a	6.084	136	496670	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	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%			
86) Terphenyl-d14	0.000	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
109) 1-chlorooctadecane	0.000	57	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
111) o-terphenyl	0.000	230	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
9) Phenol	4.615	94	339433	44.94	ppb		98
12) 2-Chlorophenol	4.738	128	273192	48.41	ppb		96
19) 2-Methylphenol	5.096	108	243860	48.34	ppb		99
21) 3&4-Methylphenol	5.224	108	254895	47.50	ppb	#	83
29) 2-Nitrophenol	5.689	139	129000	49.22	ppb		96
30) 2,4-Dimethylphenol	5.721	107	271127	52.10	ppb		97
31) Benzoic acid	5.817	105	159451	46.43	ppb		95
33) 2,4-Dichlorophenol	5.924	162	201780	51.56	ppb		96
34) 2,6-Dichlorophenol	6.170	162	197970	50.06	ppb		98
43) 4-Chloro-3-methylphenol	6.731	107	229882	50.67	ppb		97
49) 2,4,6-Trichlorophenol	7.329	196	148518	52.35	ppb		99
50) 2,4,5-Trichlorophenol	7.372	196	158410	51.52	ppb		93
60) 2,4-Dinitrophenol	8.595	184	43670	39.01	ppb		84
61) 4-Nitrophenol	8.729	109	76506	55.96	ppb		95
64) 2,3,4,6-Tetrachlorophenol	9.055	232	119769	50.94	ppb		97
70) 4,6-Dinitro-2-methylph...	9.530	198	81662	44.89	ppb		96
76) Pentachlorophenol	10.807	266	95988	55.19	ppb		97

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105064.D
Acq On : 13 Jun 2014 9:54 am
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4302
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 10:22:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration

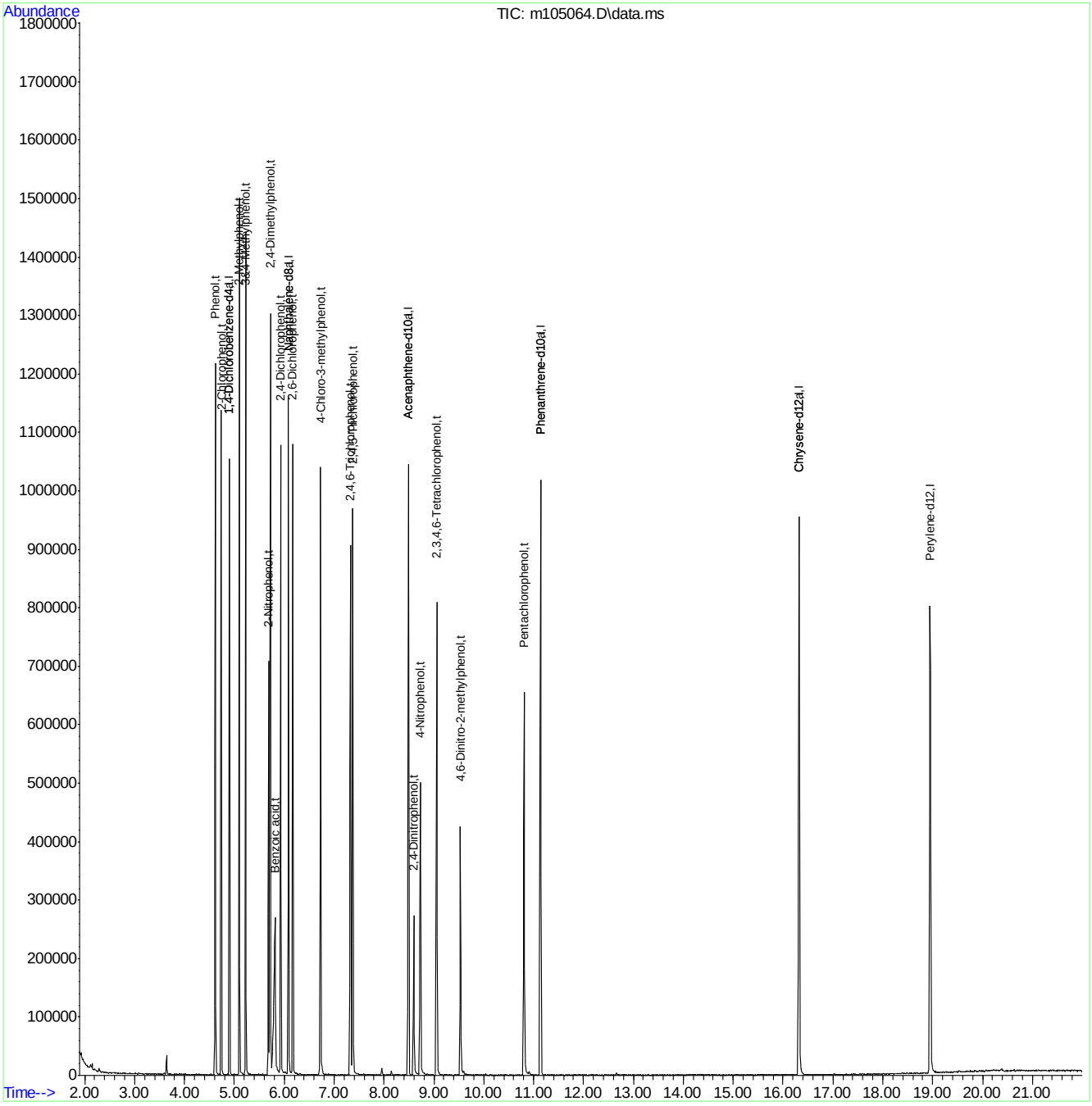
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4302\
Data File : m105064.D
Acq On : 13 Jun 2014 9:54 am
Operator : saumilp
Sample : ICV4300-50
Misc : op73826,em4302
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 10:22:39 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Fri Jun 13 08:41:49 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105978.D
Acq On : 3 Jul 2014 8:41 am
Operator : saumilp
Sample : cc4300-50
Misc : op73826,em4334
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 10:56:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 10:56:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	4.741	152	134172	40.00	ppb		0.00
24) Naphthalene-d8	5.884	136	503295	40.00	ppb		0.00
47) Acenaphthene-d10	8.251	164	319529	40.00	ppb		0.00
69) Phenanthrene-d10	10.879	188	546729	40.00	ppb		0.00
83) Chrysene-d12	16.066	240	532427	40.00	ppb		0.00
92) Perylene-d12	18.689	264	445013	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4a	4.741	152	134172	40.00	ppb		0.00
104) Acenaphthene-d10a	8.251	164	319529	40.00	ppb		0.00
107) Chrysene-d12a	16.066	240	532427	40.00	ppb		0.00
109) Naphthalene-d8a	5.884	136	503295	40.00	ppb		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	3.769	112	219042	45.81	ppb		0.00
Spiked Amount 50.000			Recovery = 91.62%				
8) Phenol-d5	4.485	99	286190	45.95	ppb		0.00
Spiked Amount 50.000			Recovery = 91.90%				
25) Nitrobenzene-d5	5.195	82	251755	48.26	ppb		0.00
Spiked Amount 50.000			Recovery = 96.52%				
51) 2-Fluorobiphenyl	7.231	172	488454	44.09	ppb		0.00
Spiked Amount 50.000			Recovery = 88.18%				
73) 2,4,6-Tribromophenol	9.613	330	61176	50.84	ppb		0.00
Spiked Amount 50.000			Recovery = 101.68%				
86) Terphenyl-d14	14.058	244	540957	45.34	ppb		0.00
Spiked Amount 50.000			Recovery = 90.68%				
Target Compounds							Qvalue
2) 1,4-Dioxane	2.294	88	99303	41.06	ppb		97
3) Pyridine	2.615	79	275580	45.94	ppb		97
4) N-Nitrosodimethylamine	2.583	42	100832	46.48	ppb		98
6) Indene	4.949	116	400710	45.29	ppb		99
7) Cumene	4.137	105	593941	46.88	ppb		99
9) Phenol	4.490	94	326757	46.37	ppb	#	47
10) Aniline	4.490	93	350008	42.76	ppb	#	41
11) bis(2-Chloroethyl)ether	4.538	93	223709	45.92	ppb		97
12) 2-Chlorophenol	4.586	128	239130	45.43	ppb		97
13) Decane	4.613	43	176888	45.07	ppb		91
14) 1,3-Dichlorobenzene	4.698	146	254844	46.41	ppb		99
15) 1,4-Dichlorobenzene	4.757	146	258767	45.34	ppb		99
16) Benzyl alcohol	4.853	108	167947	46.93	ppb		99
17) 1,2-Dichlorobenzene	4.875	146	245145	46.34	ppb		99
18) Acetophenone	5.067	105	334887	45.08	ppb		90
19) 2-Methylphenol	4.955	108	222052	47.18	ppb		99
20) 2,2'-oxybis(1-Chloropr...	4.955	121	74203	47.92	ppb		98
21) 3&4-Methylphenol	5.078	108	244765	48.89	ppb		89
22) n-Nitroso-di-n-propyla...	5.067	70	171177	47.44	ppb		95
23) Hexachloroethane	5.158	201	94921	48.82	ppb		98
26) Nitrobenzene	5.217	77	272244	46.30	ppb		97
27) Quinoline	6.285	129	470665	44.25	ppb		100
28) Isophorone	5.425	82	461043	45.41	ppb		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105978.D
Acq On : 3 Jul 2014 8:41 am
Operator : saumilp
Sample : cc4300-50
Misc : op73826,em4334
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 10:56:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 10:56:14 2014
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 2-Nitrophenol	5.505	139	127832	48.13	ppb	93
30) 2,4-Dimethylphenol	5.548	107	228524	43.34	ppb	96
31) Benzoic acid	5.671	105	128194	36.84	ppb	92
32) bis(2-Chloroethoxy)met...	5.628	93	263534	45.60	ppb	99
33) 2,4-Dichlorophenol	5.751	162	191257	48.23	ppb	93
34) 2,6-Dichlorophenol	5.981	162	189348	47.25	ppb	97
35) 1,3,5-Trichlorobenzene	5.516	180	224542	45.07	ppb	98
36) 1,2,4-Trichlorobenzene	5.831	180	217569	46.43	ppb	97
37) 1,2,3-Trichlorobenzene	6.066	180	210904	44.37	ppb	99
38) Naphthalene	5.911	128	687265	44.41	ppb	99
39) 4-Chloroaniline	5.970	127	291833	43.09	ppb	98
40) 2,3-Dichloroaniline	7.108	161	236263	45.91	ppb	99
41) Caprolactam	6.381	55	90643	43.90	ppb	97
42) Hexachlorobutadiene	6.045	225	121950	45.32	ppb	99
43) 4-Chloro-3-methylphenol	6.557	107	221480	48.17	ppb	98
44) 2-Methylnaphthalene	6.723	141	380890	44.64	ppb	99
45) 1-Methylnaphthalene	6.851	142	437479	44.60	ppb	99
46) Dimethylnaphthalene	7.604	156	411082	46.46	ppb	99
48) Hexachlorocyclopentadiene	6.942	237	246786	90.80	ppb	100
49) 2,4,6-Trichlorophenol	7.118	196	146562	47.31	ppb	100
50) 2,4,5-Trichlorophenol	7.177	196	156715	46.67	ppb	94
52) 2-Chloronaphthalene	7.396	162	438676	42.18	ppb	100
53) Biphenyl	7.369	154	560039	42.82	ppb	99
54) 2-Nitroaniline	7.556	65	136981	48.18	ppb	94
55) Dimethylphthalate	7.850	163	493979	44.86	ppb	98
56) Acenaphthylene	8.021	152	694100	43.66	ppb	99
57) 2,6-Dinitrotoluene	7.941	165	119613	50.32	ppb	98
58) 3-Nitroaniline	8.208	138	132912	47.57	ppb	93
59) Acenaphthene	8.304	153	421237	42.72	ppb	96
60) 2,4-Dinitrophenol	8.390	184	129389	89.88	ppb	87
61) 4-Nitrophenol	8.561	109	70591	47.28	ppb	95
62) Dibenzofuran	8.593	168	618145	42.67	ppb	98
63) 2,4-Dinitrotoluene	8.609	165	162449	49.95	ppb	71
64) 2,3,4,6-Tetrachlorophenol	8.828	232	121687	47.39	ppb	96
65) Diethylphthalate	9.052	149	482080	44.98	ppb	98
66) Fluorene	9.180	166	504850	44.85	ppb	98
67) 4-Chlorophenyl-phenyle...	9.207	204	245911	45.03	ppb	100
68) 4-Nitroaniline	9.255	138	130463	45.16	ppb	98
70) 4,6-Dinitro-2-methylph...	9.325	198	98186	49.79	ppb	98
71) n-Nitrosodiphenylamine	9.426	169	345373	46.04	ppb	94
72) 1,2-Diphenylhydrazine	9.490	77	528549	43.56	ppb	97
74) 4-Bromophenyl-phenylether	10.083	248	126086	44.44	ppb	96
75) Hexachlorobenzene	10.185	284	129008	41.60	ppb	99
76) Pentachlorophenol	10.575	266	166275	88.18	ppb	98
77) Phenanthrene	10.927	178	730016	43.97	ppb	100
78) Anthracene	11.023	178	762637	46.17	ppb	99
79) Carbazole	11.371	167	710406	45.31	ppb	97
80) Di-n-butylphthalate	12.161	149	850456	49.10	ppb	99
81) Fluoranthene	13.219	202	805593	45.94	ppb	99
82) Octadecane	10.863	57	270531	49.05	ppb	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105978.D
Acq On : 3 Jul 2014 8:41 am
Operator : saumilp
Sample : cc4300-50
Misc : op73826,em4334
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 10:56:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 10:56:14 2014
Response via : Initial Calibration

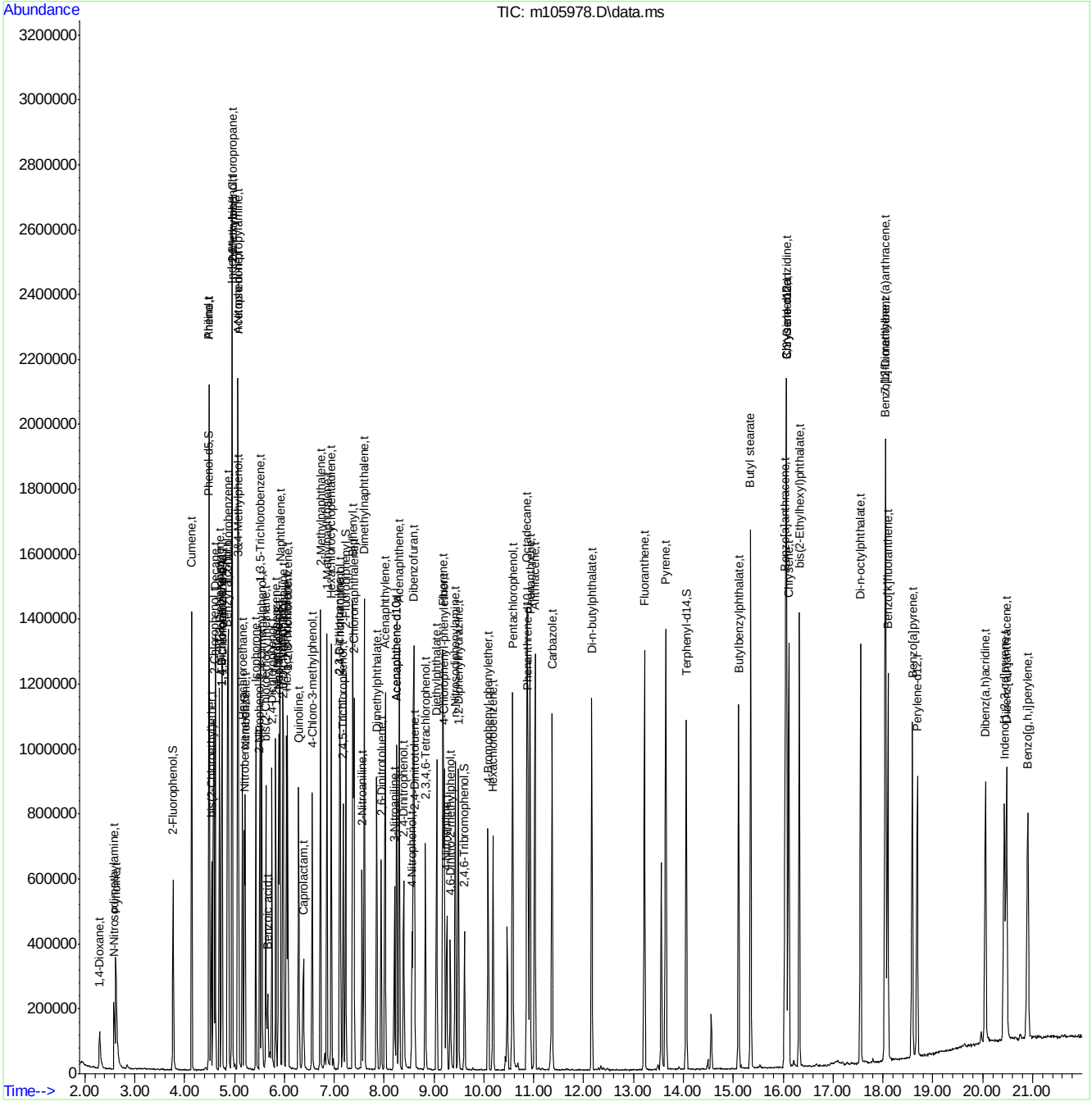
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Pyrene	13.646	202	862853	46.97	ppb	100
85) Butyl stearate	15.345	56	292773	80.97	ppb	98
87) Butylbenzylphthalate	15.110	149	387315	52.23	ppb	98
88) Benzo[a]anthracene	16.045	228	757362	45.82	ppb	99
89) 3,3'-Dichlorobenzidine	16.066	252	277609	50.43	ppb	100
90) Chrysene	16.115	228	711349	45.34	ppb	99
91) bis(2-Ethylhexyl)phtha...	16.323	149	560384	56.53	ppb	97
93) Di-n-octylphthalate	17.552	149	980181	53.45	ppb	99
94) Benzo[b]fluoranthene	18.048	252	709635	44.97	ppb	94
95) Benzo[k]fluoranthene	18.102	252	653466	41.93	ppb	99
96) Benzo[a]pyrene	18.593	252	610270	44.15	ppb	99
97) Indeno[1,2,3-cd]pyrene	20.431	276	580294	46.96	ppb	98
98) Dibenz(a,h)acridine	20.057	279	518692	46.32	ppb	98
99) Dibenz[a,h]anthracene	20.479	278	581646	44.92	ppb	99
100) 7,12-Dimethylbenz(a)an...	18.054	256	338900	47.24	ppb	97
101) Benzo[g,h,i]perylene	20.906	276	556411	44.55	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105978.D
Acq On : 3 Jul 2014 8:41 am
Operator : saumilp
Sample : cc4300-50
Misc : op73826,em4334
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 10:56:49 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 10:56:14 2014
Response via : Initial Calibration



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JB69926

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105979.D
Acq On : 3 Jul 2014 9:10 am
Operator : saumilp
Sample : cc4301-50
Misc : op73826,em4334
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 10:59:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 10:58:47 2014
Response via : Initial Calibration

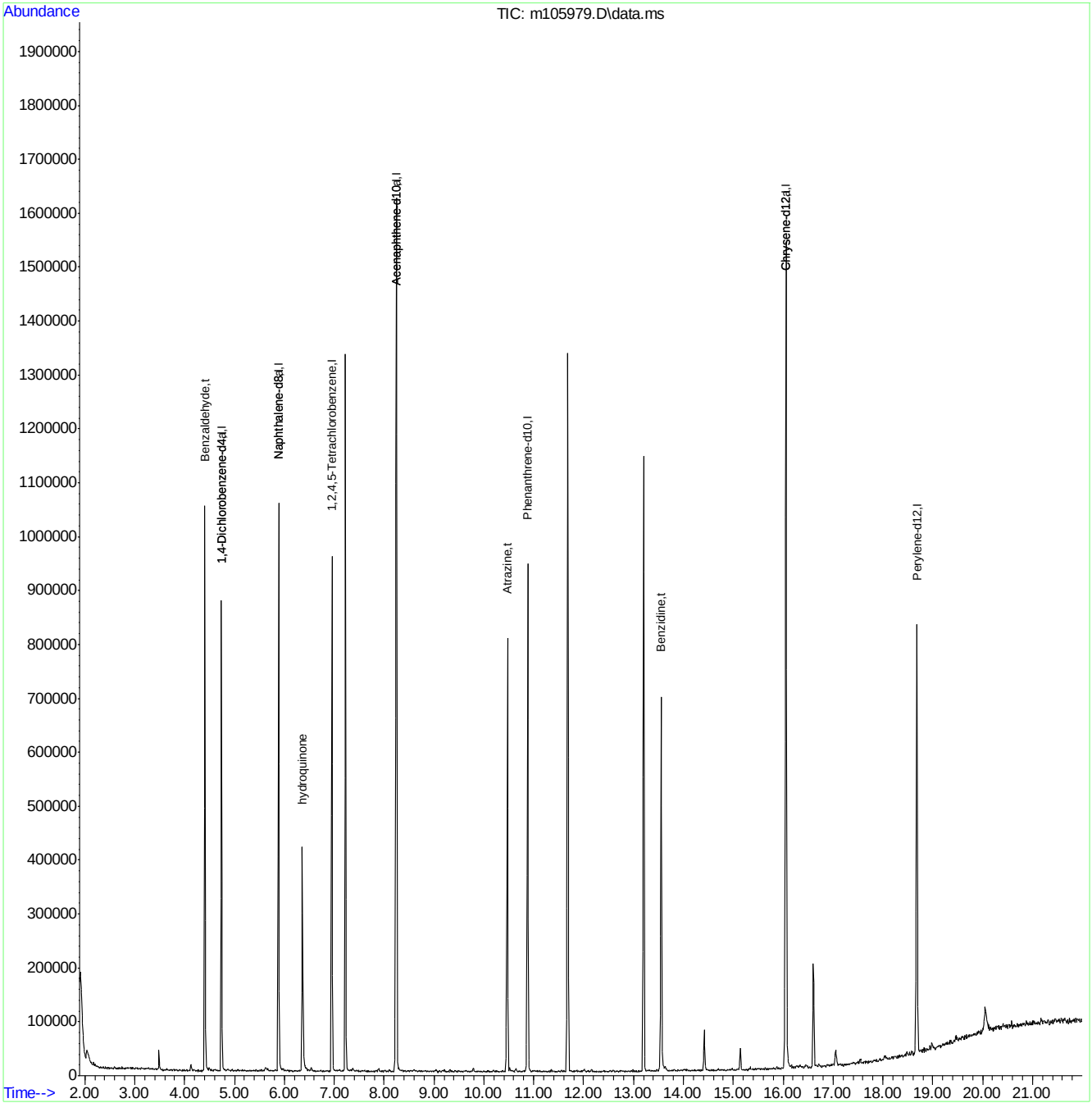
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	4.742	152	133403	40.00	ppb	0.00
24) Naphthalene-d8	5.885	136	496733	40.00	ppb	0.00
47) Acenaphthene-d10	8.246	164	295752	40.00	ppb	0.00
69) Phenanthrene-d10	10.880	188	512256	40.00	ppb	0.00
83) Chrysene-d12	16.051	240	517952	40.00	ppb	0.00
92) Perylene-d12	18.685	264	418159	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4a	4.742	152	133403	40.00	ppb	0.00
104) Acenaphthene-d10a	8.246	164	295752	40.00	ppb	0.00
107) Chrysene-d12a	16.051	240	517952	40.00	ppb	0.00
109) Naphthalene-d8a	5.885	136	496733	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	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
51) 2-Fluorobiphenyl	0.000	172	0d	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%		
86) Terphenyl-d14	0.000	244	0d	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	4.405	105	193725	52.98	ppb	93
105) 1,2,4,5-Tetrachloroben...	6.953	216	210829	46.97	ppb	97
106) Atrazine	10.474	215	80206	55.65	ppb	87
108) Benzidine	13.556	184	406631	51.97	ppb	98
110) hydroquinone	6.366	110	256304	50.80	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\em4334\
Data File : m105979.D
Acq On : 3 Jul 2014 9:10 am
Operator : saumilp
Sample : cc4301-50
Misc : op73826,em4334
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 10:59:32 2014
Quant Method : C:\msdchem\1\METHODS\MM4300.M
Quant Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
QLast Update : Thu Jul 03 10:58:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 18:53

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86523.D Vial: 2
Acq On : 20 Jun 2014 4:02 pm Operator: saraw
Sample : ic3684-100 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:17:17 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:17:14 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	63745	40.00	ppb	-0.02
24) Naphthalene-d8	5.32	136	238732	40.00	ppb	-0.03
47) Acenaphthene-d10	7.40	164	142205	40.00	ppb	-0.03
69) Phenanthrene-d10	9.23	188	229418	40.00	ppb	-0.03
83) Chrysene-d12	13.04	240	204441	40.00	ppb	-0.04
92) Perylene-d12	15.11	264	212648	40.00	ppb	-0.05
102) 1,4-Dichlorobenzene-d4A	3.97	152	63745	40.00	ppb	-0.02
112) Naphthalene-d8A	5.32	136	238732	40.00	ppb	-0.03
120) Acenaphthene-d10A	7.40	164	142205	40.00	ppb	-0.03
131) Phenanthrene-d10A	9.23	188	229418	40.00	ppb	-0.03
146) Chrysene-d12A	13.04	240	204441	40.00	ppb	-0.04
154) Perylene-d12A	15.11	264	212648	40.00	ppb	-0.05
157) 1,4-Dichlorobenzene-d4b	3.97	152	63745	40.00	ppb	-0.02
159) Phenanthrene-d10b	9.23	188	229418	40.00	ppb	-0.03
161) Chrysene-d12b	13.04	240	204441	40.00	ppb	-0.04
163) Naphthalene-d8b	5.32	136	238732	40.00	ppb	-0.03
165) Acenaphthene-d10b	7.40	164	142205	40.00	ppb	-0.03
167) Naphthalene-d8c	5.32	136	238732	40.00	ppb	-0.03
172) 1,4-Dichlorobenzene-d4a	3.97	152	63745	40.00	ppb	-0.02
174) Chrysene-d12c	13.04	240	204441	40.00	ppb	-0.04
176) Chrysene-d12d	13.04	240	204441	40.00	ppb	-0.04
178) Naphthalene-d8a	5.32	136	238732	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	238732	40.00	ppb	-0.08
182) Perylene-d12a	15.11	264	212648	40.00	ppb	-0.19
System Monitoring Compounds						
5) 2-Fluorophenol	2.83	112	228348	111.40	ppb	-0.02
Spiked Amount 50.000			Recovery = 222.80%			
8) Phenol-d5	3.59	99	270765	115.22	ppb	-0.02
Spiked Amount 50.000			Recovery = 230.44%			
25) Nitrobenzene-d5	4.53	82	208904	83.64	ppb	-0.02
Spiked Amount 50.000			Recovery = 167.28%			
51) 2-Fluorobiphenyl	6.60	172	364858	78.87	ppb	-0.03
Spiked Amount 50.000			Recovery = 157.74%			
73) 2,4,6-Tribromophenol	8.36	330	52056	100.11	ppb	-0.03
Spiked Amount 50.000			Recovery = 200.22%			
85) Terphenyl-d14	11.47	244	408999	96.25	ppb	-0.04
Spiked Amount 50.000			Recovery = 192.50%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.87	88	104786	106.59	ppb	93
3) Pyridine	2.05	79	255692	109.13	ppb	93
4) N-Nitrosodimethylamine	2.02	42	90512	89.42	ppb #	71
6) Indene	4.22	116	282334	81.63	ppb	92
7) Cumene	3.25	105	467045	92.22	ppb	91
9) Phenol	3.61	94	257835	115.02	ppb	85
10) Aniline	3.65	93	319958	100.32	ppb	85
11) bis(2-Chloroethyl)ether	3.70	93	195035	101.62	ppb	99
12) 2-Chlorophenol	3.76	128	189442	90.63	ppb	97
13) Decane	3.80	43	169331	103.97	ppb	90

(#) = qualifier out of range (m) = manual integration
P86523.D MP3684.M Mon Jun 23 08:13:52 2014 Page 1

9.6.102
9

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86523.D Vial: 2
Acq On : 20 Jun 2014 4:02 pm Operator: saraw
Sample : ic3684-100 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:17:17 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:17:14 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
14)	1,3-Dichlorobenzene	3.91	146	223174	87.91	ppb		95
15)	1,4-Dichlorobenzene	3.98	146	211698	88.44	ppb		95
16)	Benzyl alcohol	4.10	108	145920	111.66	ppb		95
17)	1,2-Dichlorobenzene	4.14	146	189957	81.64	ppb		95
18)	Acetophenone	4.37	105	225538	81.40	ppb		90
19)	2-Methylphenol	4.20	108	193762	104.29	ppb		98
20)	2,2'-oxybis(1-Chloropropan	4.23	121	55963	78.69	ppb	#	35
21)	3&4-Methylphenol	4.37	108	175199	95.10	ppb		98
22)	n-Nitroso-di-n-propylamine	4.37	70	115076	86.50	ppb		97
23)	Hexachloroethane	4.49	201	83773	88.46	ppb		99
26)	Nitrobenzene	4.56	77	202170	78.35	ppb		97
27)	Quinoline	5.74	129	422072	89.44	ppb		93
28)	Isophorone	4.81	82	386931	93.10	ppb		89
29)	2-Nitrophenol	4.90	139	117676	89.90	ppb		95
30)	2,4-Dimethylphenol	4.95	107	186001	84.29	ppb		94
31)	Benzoic acid	5.11	105	179290m	113.88	ppb		
32)	bis(2-Chloroethoxy)methane	5.05	93	224163	91.69	ppb		93
33)	2,4-Dichlorophenol	5.17	162	171492	85.14	ppb		96
34)	2,6-Dichlorophenol	5.43	162	151338	78.22	ppb		99
35)	1,3,5-Trichlorobenzene	4.92	180	180003	70.58	ppb		98
36)	1,2,4-Trichlorobenzene	5.27	180	180749	73.60	ppb		96
37)	1,2,3-Trichlorobenzene	5.52	180	163965	69.34	ppb		98
38)	Naphthalene	5.35	128	512886	79.22	ppb		91
39)	4-Chloroaniline	5.42	127	229545	78.27	ppb		97
40)	2,3-Dichloroaniline	6.49	161	188881	75.80	ppb		97
41)	Caprolactam	5.85	55	98408	115.47	ppb		91
42)	Hexachlorobutadiene	5.51	225	94937	66.29	ppb		97
43)	4-Chloro-3-methylphenol	6.00	107	179043	89.94	ppb		93
44)	2-Methylnaphthalene	6.16	141	303487	75.72	ppb		97
45)	1-Methylnaphthalene	6.28	142	359179	76.05	ppb		95
46)	Dimethylnaphthalene	6.91	156	319896	73.73	ppb		96
48)	Hexachlorocyclopentadiene	6.36	237	205149	206.08	ppb		96
49)	2,4,6-Trichlorophenol	6.50	196	105965	84.03	ppb		99
50)	2,4,5-Trichlorophenol	6.55	196	124894	85.75	ppb		99
52)	2-Chloronaphthalene	6.74	162	315613	76.57	ppb		90
53)	Biphenyl	6.72	154	422796	78.10	ppb		90
54)	2-Nitroaniline	6.87	65	109144	94.57	ppb		100
55)	Dimethylphthalate	7.10	163	388920	86.02	ppb		94
56)	Acenaphthylene	7.23	152	522413	86.26	ppb		90
57)	2,6-Dinitrotoluene	7.16	165	97106	95.93	ppb		95
58)	3-Nitroaniline	7.36	138	122084	102.65	ppb		95
59)	Acenaphthene	7.45	153	323155	79.49	ppb		97
60)	2,4-Dinitrophenol	7.49	184	119582	186.17	ppb		95
61)	4-Nitrophenol	7.58	109	56733	93.06	ppb	#	77
62)	Dibenzofuran	7.65	168	420295	75.75	ppb		89
63)	2,4-Dinitrotoluene	7.65	165	115412	87.33	ppb		90
64)	2,3,4,6-Tetrachlorophenol	7.81	232	107901	97.53	ppb		96
65)	Diethylphthalate	7.96	149	358932	83.85	ppb		93
66)	Fluorene	8.07	166	344107	76.06	ppb		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86523.D Vial: 2
Acq On : 20 Jun 2014 4:02 pm Operator: saraw
Sample : ic3684-100 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:17:17 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:17:14 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

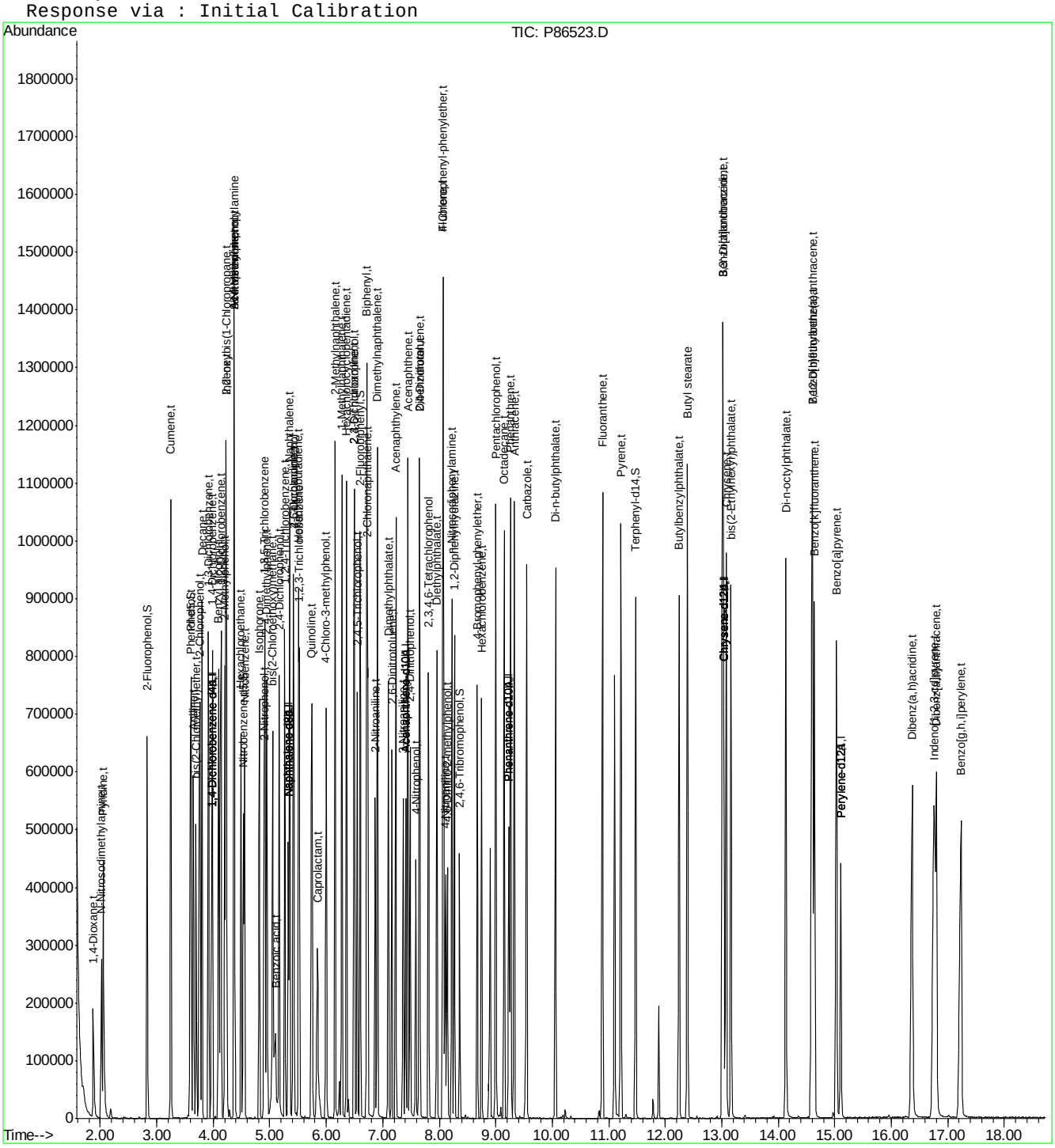
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	4-Chlorophenyl-phenylether	8.08	204	162320	68.65	ppb	98
68)	4-Nitroaniline	8.11	138	115986	100.19	ppb	90
70)	4,6-Dinitro-2-methylphenol	8.15	198	84002	88.89	ppb	78
71)	n-Nitrosodiphenylamine	8.23	169	264370	79.02	ppb	100
72)	1,2-Diphenylhydrazine	8.27	77	362977	82.47	ppb	94
74)	4-Bromophenyl-phenylether	8.67	248	111379	82.17	ppb	93
75)	Hexachlorobenzene	8.75	284	107355	76.02	ppb	98
76)	Pentachlorophenol	9.00	266	150414	221.94	ppb	95
77)	Phenanthrene	9.26	178	519910	77.12	ppb	91
78)	Anthracene	9.33	178	540502	79.33	ppb	92
79)	Carbazole	9.55	167	533870	84.57	ppb	92
80)	Di-n-butylphthalate	10.06	149	618138	95.61	ppb	93
81)	Fluoranthene	10.89	202	628624	89.76	ppb	96
82)	Octadecane	9.15	57	230617	108.54	ppb	86
84)	Pyrene	11.22	202	629939	96.79	ppb	93
86)	Butylbenzylphthalate	12.24	149	292091	113.23	ppb	96
87)	Butyl stearate	12.39	56	217999	134.14	ppb	85
88)	Benzo[a]anthracene	13.02	228	517049	95.58	ppb	94
89)	3,3'-Dichlorobenzidine	13.02	252	202982	102.68	ppb	94
90)	Chrysene	13.08	228	507697	89.86	ppb	94
91)	bis(2-Ethylhexyl)phthalate	13.16	149	365146	111.20	ppb	99
93)	Di-n-octylphthalate	14.13	149	685896	122.19	ppb	96
94)	Benzo[b]fluoranthene	14.60	252	557818	93.72	ppb	93
95)	Benzo[k]fluoranthene	14.64	252	507502	75.26	ppb	93
96)	Benzo[a]pyrene	15.03	252	536597	100.67	ppb	94
97)	Indeno[1,2,3-cd]pyrene	16.76	276	625661m	95.23	ppb	
98)	Dibenz(a,h)acridine	16.37	279	469365	106.27	ppb	96
99)	Dibenz[a,h]anthracene	16.80	278	500881	94.31	ppb	96
100)	7,12-Dimethylbenz(a)anthra	14.60	256	256743	80.58	ppb	98
101)	Benzo[g,h,i]perylene	17.24	276	529541	96.17	ppb	96

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86523.D Vial: 2
Acq On : 20 Jun 2014 4:02 pm Operator: saraw
Sample : ic3684-100 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:19 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

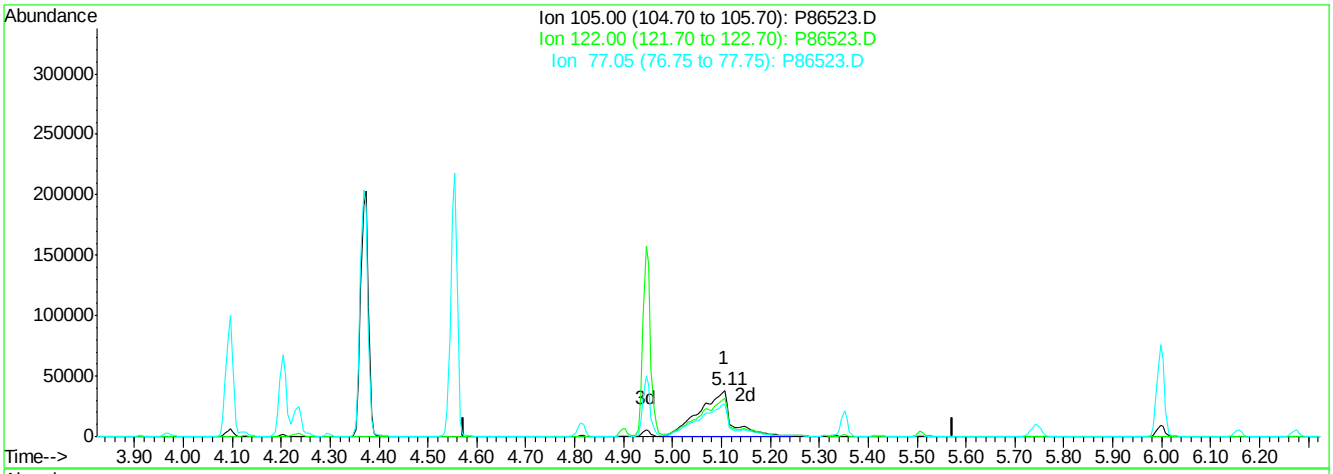
Sample Number:	EP3684-IC3684	**Method:**	SW846 8270D
Lab FileID:	P86523.D	**Analyst approved:**	06/23/14 09:23 Kristi Schollenberger
Injection Time:	06/20/14 16:02	**Supervisor approved:**	06/26/14 18:53 Nina Pandya

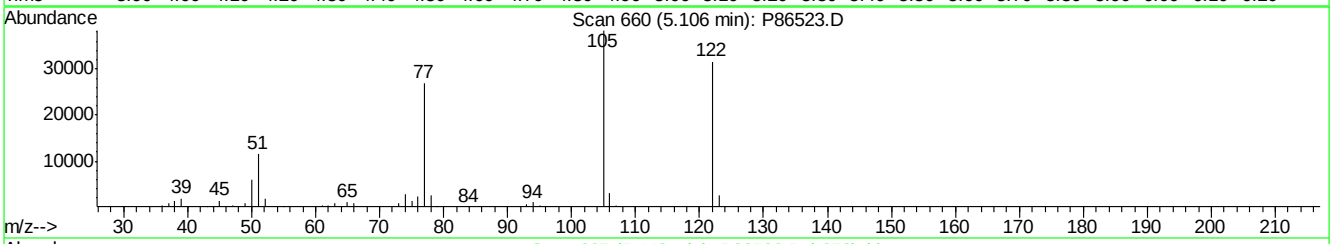
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.11	Split peak
Indeno(1,2,3-cd)pyrene	193-39-5		16.76	Split peak

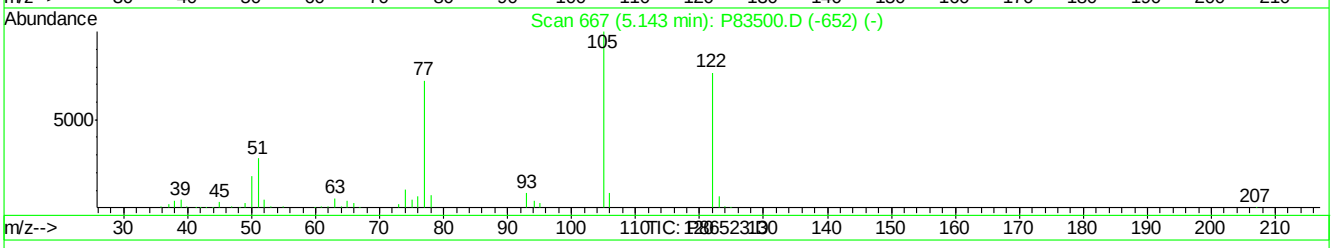
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86523.D Vial: 2
Acq On : 20 Jun 2014 4:02 pm Operator: saraw
Sample : ic3684-100 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:19 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(31) Benzoic acid (t)

5.11min 113.88ppb m

response 179290

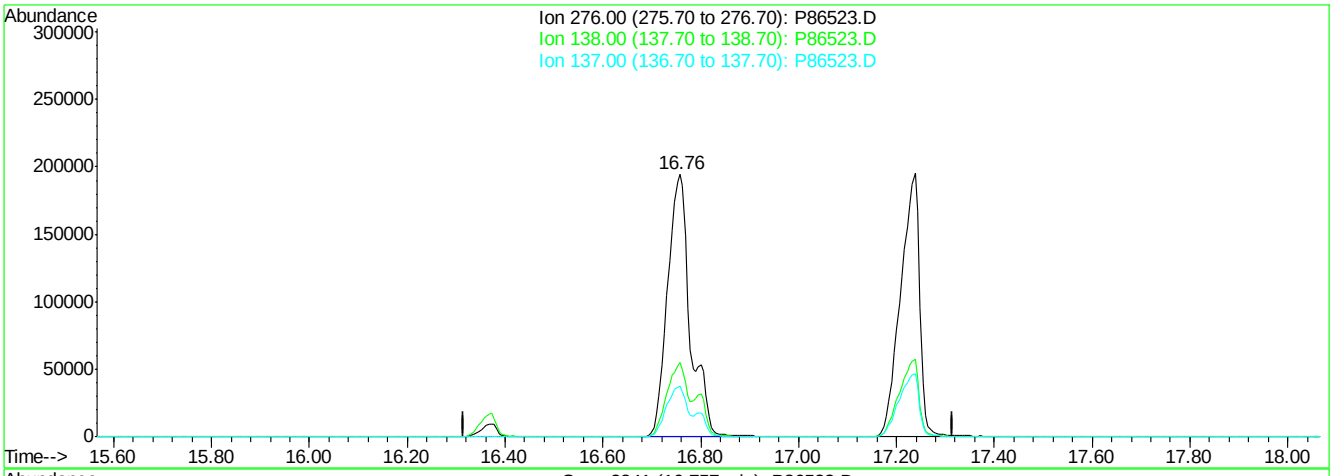
Ion	Exp%	Act%
105.00	100	100
122.00	79.20	82.46
77.05	70.60	70.40
0.00	0.00	0.00

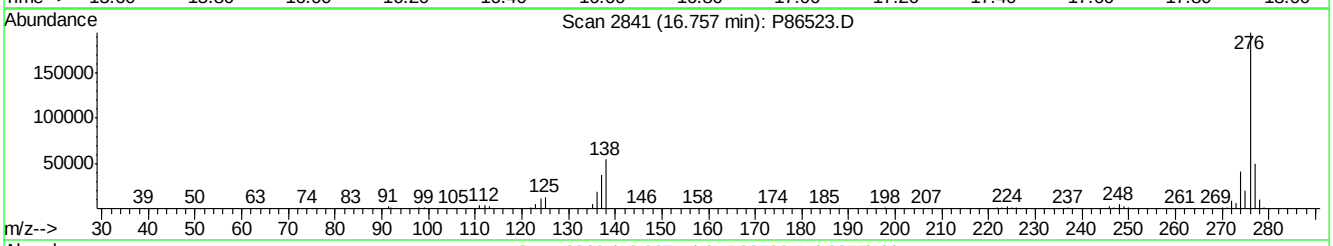
P86523.D MP3684.M Thu Jun 26 15:23:58 2014

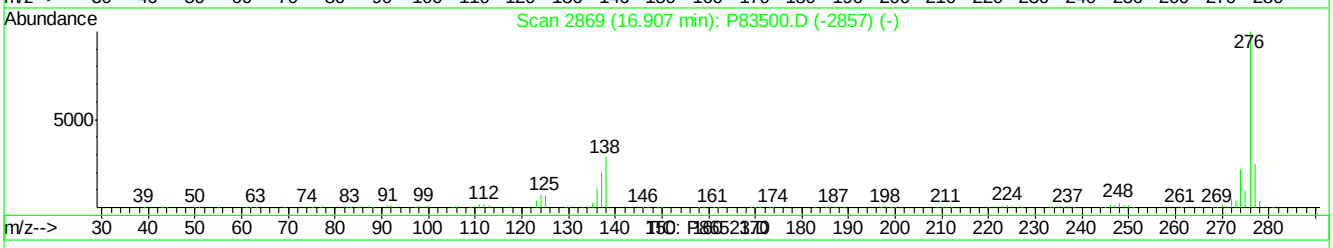
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86523.D Vial: 2
Acq On : 20 Jun 2014 4:02 pm Operator: saraw
Sample : ic3684-100 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:19 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(97) Indeno[1,2,3-cd]pyrene (t)

16.76min 95.23ppb m

response 625661

Ion	Exp%	Act%
276.00	100	100
138.00	26.20	28.07
137.00	18.10	19.45
0.00	0.00	0.00

P86523.D MP3684.M Thu Jun 26 15:24:06 2014

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 18:53

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86524.D Vial: 3
Acq On : 20 Jun 2014 4:28 pm Operator: saraw
Sample : ic3684-1 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:19:37 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	76781	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	278435	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	163277	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	264024	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	263243	40.00	ppb	-0.02
92) Perylene-d12	15.10	264	239801	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4A	3.96	152	76781	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	278435	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	163277	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	264024	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	263243	40.00	ppb	-0.02
154) Perylene-d12A	15.10	264	239801	40.00	ppb	-0.01
157) 1,4-Dichlorobenzene-d4b	3.96	152	76781	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	264024	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	263243	40.00	ppb	-0.02
163) Naphthalene-d8b	5.32	136	278435	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	163277	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	278435	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	76781	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	263243	40.00	ppb	-0.02
176) Chrysene-d12d	13.02	240	263243	40.00	ppb	-0.02
178) Naphthalene-d8a	5.32	136	278435	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	278435	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	239801	40.00	ppb	-0.20
System Monitoring Compounds						
5) 2-Fluorophenol	2.82	112	2780	1.01	ppb	0.00
Spiked Amount 50.000			Recovery =	2.02%		
8) Phenol-d5	3.58	99	3493	1.07	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.14%		
25) Nitrobenzene-d5	4.52	82	2662	1.09	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.18%		
51) 2-Fluorobiphenyl	6.59	172	5500	1.31	ppb	-0.01
Spiked Amount 50.000			Recovery =	2.62%		
73) 2,4,6-Tribromophenol	0.00	330	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
85) Terphenyl-d14	11.47	244	5375	1.02	ppb	0.00
Spiked Amount 50.000			Recovery =	2.04%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	1306	1.03	ppb	# 28
3) Pyridine	2.06	79	3320	1.08	ppb	92
4) N-Nitrosodimethylamine	2.02	42	1113	1.02	ppb	95
6) Indene	4.22	116	5116	1.50	ppb	97
7) Cumene	3.25	105	7251	1.29	ppb	90
9) Phenol	3.59	94	3758	1.21	ppb	95
10) Aniline	3.64	93	4766	1.24	ppb	80
11) bis(2-Chloroethyl)ether	3.69	93	2873	1.22	ppb	96
12) 2-Chlorophenol	3.76	128	3039	1.33	ppb	92
13) Decane	3.80	43	3024	1.48	ppb	94

(#) = qualifier out of range (m) = manual integration
P86524.D MP3684.M Mon Jun 23 08:14:47 2014 Page 1

9.6.103
6

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86524.D Vial: 3
Acq On : 20 Jun 2014 4:28 pm Operator: saraw
Sample : ic3684-1 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:19:37 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
14)	1,3-Dichlorobenzene	3.91	146	3290	1.22	ppb		92
15)	1,4-Dichlorobenzene	3.98	146	3309	1.30	ppb		90
16)	Benzyl alcohol	4.09	108	1798	1.02	ppb		93
17)	1,2-Dichlorobenzene	4.13	146	3212	1.40	ppb		93
18)	Acetophenone	4.36	105	4042	1.49	ppb		83
19)	2-Methylphenol	4.19	108	2702	1.16	ppb		96
21)	3&4-Methylphenol	4.35	108	2699	1.28	ppb		94
22)	n-Nitroso-di-n-propylamine	4.36	70	1923	1.39	ppb		93
23)	Hexachloroethane	4.49	201	1077	1.07	ppb		85
26)	Nitrobenzene	4.54	77	2986	1.27	ppb		93
27)	Quinoline	5.73	129	5463	1.11	ppb		96
28)	Isophorone	4.80	82	5022	1.11	ppb		97
29)	2-Nitrophenol	4.89	139	1348	0.98	ppb		81
30)	2,4-Dimethylphenol	4.93	107	2357	1.09	ppb		91
32)	bis(2-Chloroethoxy)methane	5.04	93	3203	1.23	ppb		99
33)	2,4-Dichlorophenol	5.16	162	2106	1.05	ppb		98
34)	2,6-Dichlorophenol	5.42	162	2067	1.17	ppb	#	84
35)	1,3,5-Trichlorobenzene	4.91	180	2799	1.33	ppb	#	86
36)	1,2,4-Trichlorobenzene	5.26	180	2690	1.28	ppb		90
37)	1,2,3-Trichlorobenzene	5.51	180	2577	1.35	ppb	#	83
38)	Naphthalene	5.35	128	8338	1.39	ppb		97
39)	4-Chloroaniline	5.40	127	3281	1.23	ppb		96
40)	2,3-Dichloroaniline	6.48	161	2834	1.29	ppb	#	80
41)	Caprolactam	5.76	55	1072	0.93	ppb		89
42)	Hexachlorobutadiene	5.50	225	1372	1.24	ppb		93
43)	4-Chloro-3-methylphenol	5.98	107	1963	0.94	ppb		94
44)	2-Methylnaphthalene	6.15	141	4642	1.31	ppb		96
45)	1-Methylnaphthalene	6.27	142	5565	1.33	ppb		98
46)	Dimethylnaphthalene	6.90	156	4905	1.31	ppb		95
48)	Hexachlorocyclopentadiene	6.35	237	2051	1.74	ppb		90
49)	2,4,6-Trichlorophenol	6.49	196	1323	1.09	ppb		94
50)	2,4,5-Trichlorophenol	6.53	196	1434	1.00	ppb		99
52)	2-Chloronaphthalene	6.72	162	5033	1.39	ppb		99
53)	Biphenyl	6.71	154	6759	1.39	ppb		100
54)	2-Nitroaniline	6.85	65	1095	0.87	ppb		86
55)	Dimethylphthalate	7.08	163	5356	1.20	ppb		98
56)	Acenaphthylene	7.22	152	7536	1.26	ppb		99
57)	2,6-Dinitrotoluene	7.15	165	964m	0.86	ppb		
58)	3-Nitroaniline	7.34	138	1168	0.83	ppb		98
59)	Acenaphthene	7.43	153	5106	1.38	ppb		95
62)	Dibenzofuran	7.64	168	7045	1.46	ppb		98
63)	2,4-Dinitrotoluene	7.63	165	1258	0.95	ppb		85
64)	2,3,4,6-Tetrachlorophenol	7.80	232	1013	0.82	ppb	#	24
65)	Diethylphthalate	7.94	149	4838	1.17	ppb		95
66)	Fluorene	8.06	166	5390	1.36	ppb		93
67)	4-Chlorophenyl-phenylether	8.07	204	2776	1.49	ppb		97
68)	4-Nitroaniline	8.08	138	1242	0.93	ppb		84
71)	n-Nitrosodiphenylamine	8.21	169	3480	1.14	ppb		94
72)	1,2-Diphenylhydrazine	8.26	77	5492	1.31	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86524.D Vial: 3
Acq On : 20 Jun 2014 4:28 pm Operator: saraw
Sample : ic3684-1 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:19:37 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

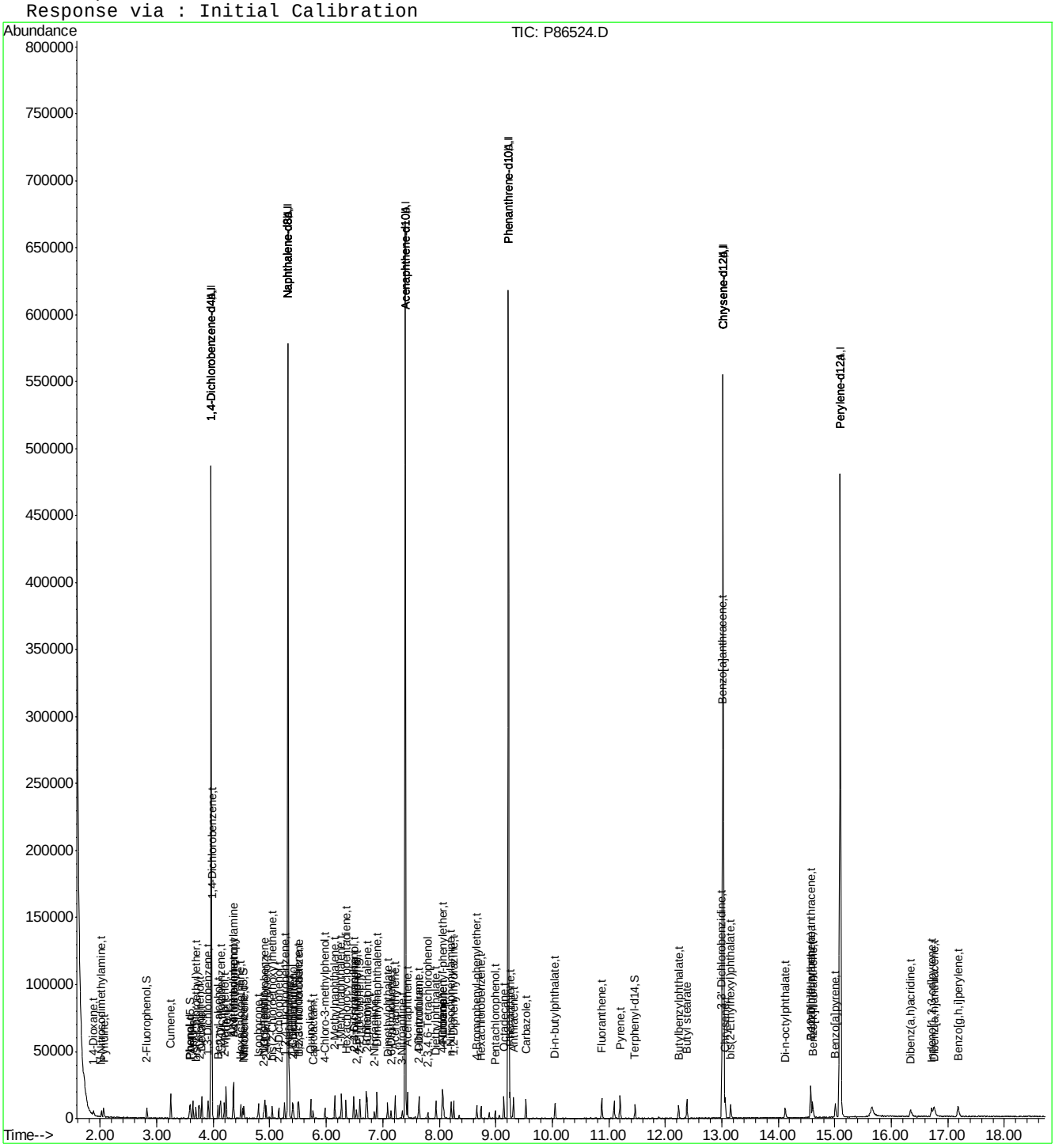
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
74)	4-Bromophenyl-phenylether	8.66	248	1435	1.12	ppb		88
75)	Hexachlorobenzene	8.74	284	1434	1.16	ppb		92
76)	Pentachlorophenol	8.99	266	1083	1.25	ppb		87
77)	Phenanthrene	9.25	178	8468	1.42	ppb		95
78)	Anthracene	9.32	178	7589	1.22	ppb		97
79)	Carbazole	9.53	167	7325	1.19	ppb		99
80)	Di-n-butylphthalate	10.05	149	7712	1.08	ppb		97
81)	Fluoranthene	10.88	202	8356	1.16	ppb		98
82)	Octadecane	9.14	57	3197	1.20	ppb		98
84)	Pyrene	11.20	202	8774	1.08	ppb		97
86)	Butylbenzylphthalate	12.23	149	3266	0.87	ppb		98
87)	Butyl stearate	12.38	56	2870	1.02	ppb	#	48
88)	Benzo[a]anthracene	13.01	228	8387	1.26	ppb		97
89)	3,3'-Dichlorobenzidine	13.00	252	2785	1.07	ppb		93
90)	Chrysene	13.06	228	7378	1.13	ppb		98
91)	bis(2-Ethylhexyl)phthalate	13.16	149	4184	0.89	ppb		95
93)	Di-n-octylphthalate	14.12	149	6758	0.87	ppb		95
94)	Benzo[b]fluoranthene	14.57	252	7558	1.20	ppb		97
95)	Benzo[k]fluoranthene	14.61	252	7802	1.36	ppb		96
96)	Benzo[a]pyrene	15.01	252	6913	1.14	ppb		96
97)	Indeno[1,2,3-cd]pyrene	16.71	276	8108m	1.15	ppb		
98)	Dibenz(a,h)acridine	16.34	279	5335	1.01	ppb		100
99)	Dibenz[a,h]anthracene	16.76	278	6617	1.17	ppb		96
100)	7,12-Dimethylbenz(a)anthra	14.57	256	3318	1.15	ppb		93
101)	Benzo[g,h,i]perylene	17.18	276	7152	1.20	ppb		93

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86524.D Vial: 3
Acq On : 20 Jun 2014 4:28 pm Operator: saraw
Sample : ic3684-1 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:31 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

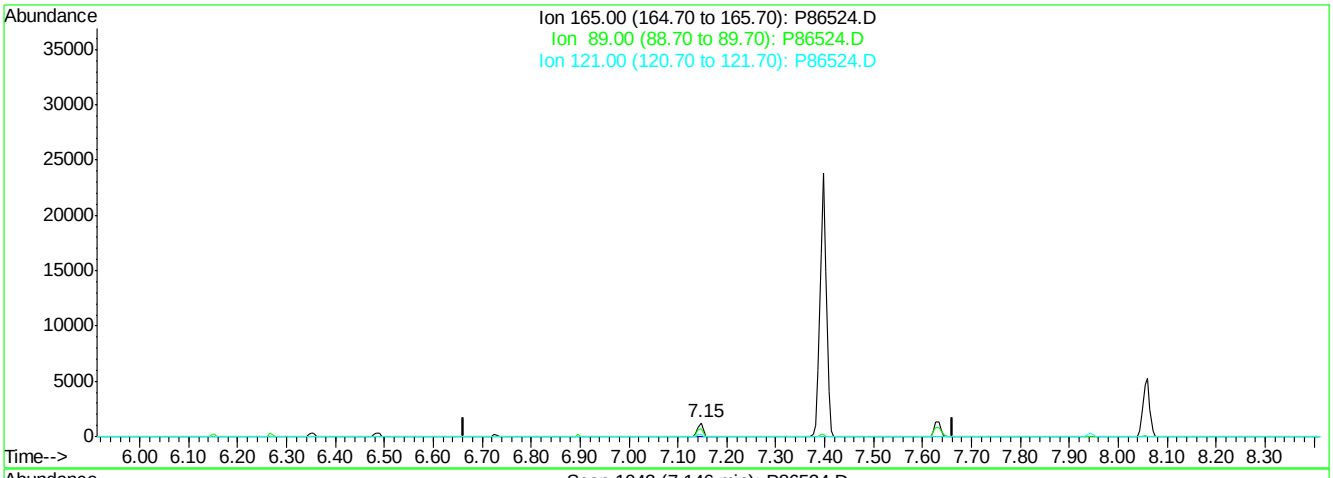
Sample Number:	EP3684-IC3684	**Method:**	SW846 8270D
Lab FileID:	P86524.D	**Analyst approved:**	06/23/14 09:23 Kristi Schollenberger
Injection Time:	06/20/14 16:28	**Supervisor approved:**	06/26/14 18:53 Nina Pandya

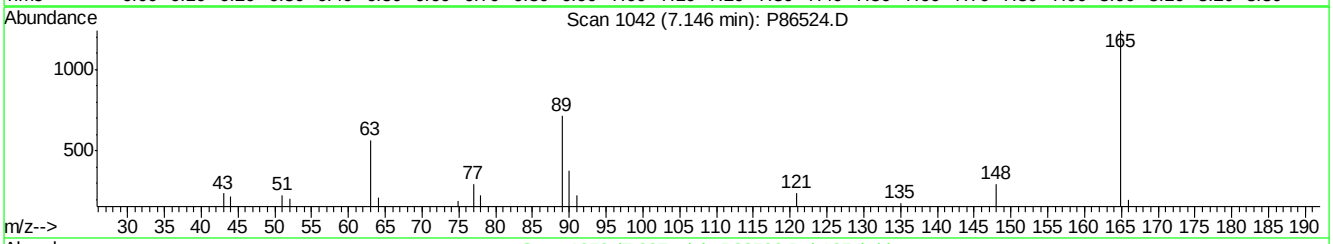
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,6-Dinitrotoluene	606-20-2		7.15	Poor instrument integration
Indeno(1,2,3-cd)pyrene	193-39-5		16.71	Split peak

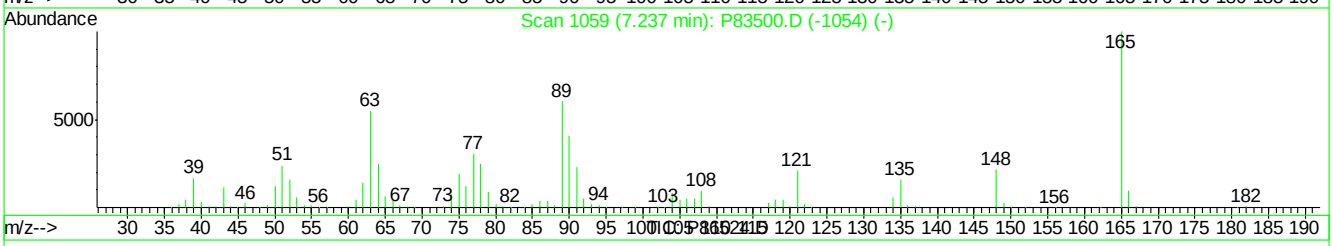
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86524.D Vial: 3
Acq On : 20 Jun 2014 4:28 pm Operator: saraw
Sample : ic3684-1 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:31 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(57) 2,6-Dinitrotoluene (t)

7.15min 0.86ppb m

response 964

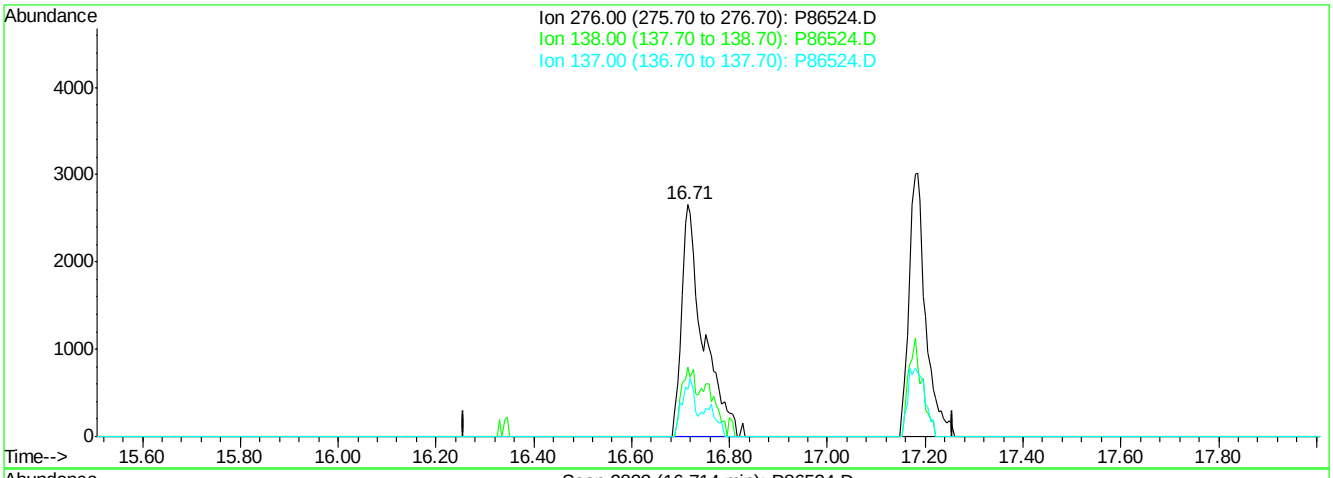
Ion	Exp%	Act%
165.00	100	100
89.00	52.60	57.61
121.00	18.70	19.50
0.00	0.00	0.00

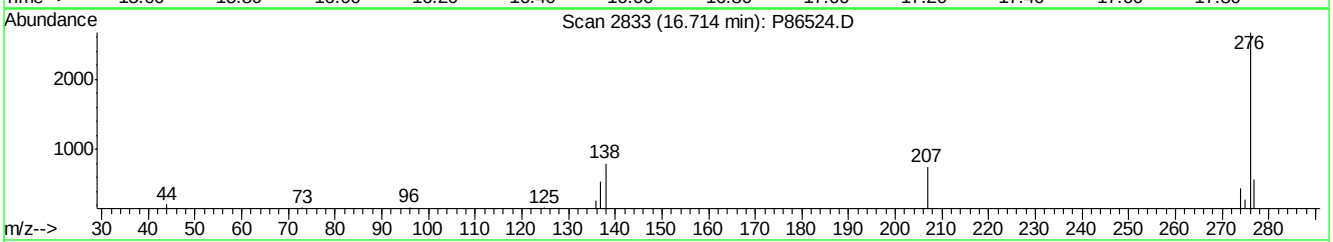
P86524.D MP3684.M Thu Jun 26 15:24:21 2014

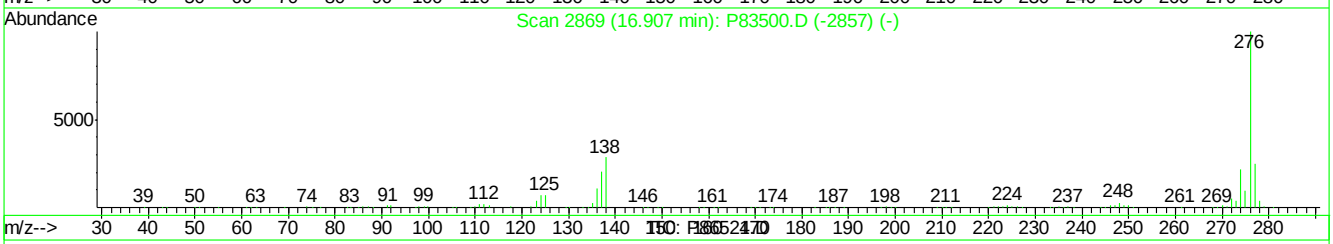
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86524.D Vial: 3
Acq On : 20 Jun 2014 4:28 pm Operator: saraw
Sample : ic3684-1 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:31 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(97) Indeno[1,2,3-cd]pyrene (t)

16.71min 1.15ppb m

response 8108

Ion	Exp%	Act%
276.00	100	100
138.00	28.10	30.03
137.00	19.50	20.38
0.00	0.00	0.00

P86524.D MP3684.M Thu Jun 26 15:24:27 2014

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 18:53

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86525.D Vial: 4
Acq On : 20 Jun 2014 4:54 pm Operator: saraw
Sample : ic3684-80 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:22:04 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	63734	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	237733	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	141527	40.00	ppb	0.00
69) Phenanthrene-d10	9.23	188	228195	40.00	ppb	0.00
83) Chrysene-d12	13.03	240	206906	40.00	ppb	0.00
92) Perylene-d12	15.10	264	209663	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	63734	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	237733	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	141527	40.00	ppb	0.00
131) Phenanthrene-d10A	9.23	188	228195	40.00	ppb	0.00
146) Chrysene-d12A	13.03	240	206906	40.00	ppb	0.00
154) Perylene-d12A	15.10	264	209663	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	63734	40.00	ppb	0.00
159) Phenanthrene-d10b	9.23	188	228195	40.00	ppb	0.00
161) Chrysene-d12b	13.03	240	206906	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	237733	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	141527	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	237733	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	63734	40.00	ppb	-0.02
174) Chrysene-d12c	13.03	240	206906	40.00	ppb	0.00
176) Chrysene-d12d	13.03	240	206906	40.00	ppb	0.00
178) Naphthalene-d8a	5.32	136	237733	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	237733	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	209663	40.00	ppb	-0.20
System Monitoring Compounds						
5) 2-Fluorophenol	2.83	112	185501	81.25	ppb	0.00
Spiked Amount 50.000			Recovery =	162.50%		
8) Phenol-d5	3.59	99	218122	80.57	ppb	0.00
Spiked Amount 50.000			Recovery =	161.14%		
25) Nitrobenzene-d5	4.53	82	168327	80.91	ppb	0.00
Spiked Amount 50.000			Recovery =	161.82%		
51) 2-Fluorobiphenyl	6.60	172	300125	82.65	ppb	0.00
Spiked Amount 50.000			Recovery =	165.30%		
73) 2,4,6-Tribromophenol	8.36	330	41518	80.18	ppb	0.00
Spiked Amount 50.000			Recovery =	160.36%		
85) Terphenyl-d14	11.47	244	333629	80.60	ppb	0.00
Spiked Amount 50.000			Recovery =	161.20%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	85018	81.15	ppb	100
3) Pyridine	2.05	79	210604	82.38	ppb	99
4) N-Nitrosodimethylamine	2.02	42	72247	79.83	ppb	97
6) Indene	4.22	116	238093	84.34	ppb	99
7) Cumene	3.25	105	385280	82.51	ppb	100
9) Phenol	3.60	94	212633	82.48	ppb	98
10) Aniline	3.65	93	261834	81.85	ppb	92
11) bis(2-Chloroethyl)ether	3.70	93	158452	81.26	ppb	99
12) 2-Chlorophenol	3.76	128	157693	83.26	ppb	99
13) Decane	3.80	43	141545	83.61	ppb	98

(#) = qualifier out of range (m) = manual integration
P86525.D MP3684.M Mon Jun 23 08:15:15 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86525.D Vial: 4
Acq On : 20 Jun 2014 4:54 pm Operator: saraw
Sample : ic3684-80 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:22:04 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
14)	1,3-Dichlorobenzene	3.91	146	183385	82.19	ppb	99
15)	1,4-Dichlorobenzene	3.98	146	176203	83.25	ppb	99
16)	Benzyl alcohol	4.10	108	118704	81.36	ppb	96
17)	1,2-Dichlorobenzene	4.14	146	159065	83.75	ppb	99
18)	Acetophenone	4.37	105	188120	83.42	ppb	97
19)	2-Methylphenol	4.20	108	160369	82.78	ppb	99
20)	2,2'-oxybis(1-Chloropropan	4.23	121	46771	83.59	ppb	97
21)	3&4-Methylphenol	4.36	108	148422	84.73	ppb	99
22)	n-Nitroso-di-n-propylamine	4.37	70	93529	81.29	ppb	97
23)	Hexachloroethane	4.49	201	67352	80.41	ppb	98
26)	Nitrobenzene	4.55	77	166510	82.71	ppb	97
27)	Quinoline	5.74	129	339009	80.66	ppb	99
28)	Isophorone	4.81	82	312051	80.99	ppb	99
29)	2-Nitrophenol	4.90	139	95192	81.23	ppb	98
30)	2,4-Dimethylphenol	4.95	107	151045	81.55	ppb	99
31)	Benzoic acid	5.09	105	140301m	78.58	ppb	
32)	bis(2-Chloroethoxy)methane	5.05	93	181646	81.37	ppb	100
33)	2,4-Dichlorophenol	5.16	162	140142	82.06	ppb	99
34)	2,6-Dichlorophenol	5.43	162	125912	83.55	ppb	99
35)	1,3,5-Trichlorobenzene	4.91	180	149509	83.41	ppb	100
36)	1,2,4-Trichlorobenzene	5.27	180	148671	82.60	ppb	99
37)	1,2,3-Trichlorobenzene	5.52	180	135757	83.14	ppb	99
38)	Naphthalene	5.35	128	426185	83.44	ppb	99
39)	4-Chloroaniline	5.42	127	191372	83.72	ppb	98
40)	2,3-Dichloroaniline	6.49	161	153857	81.80	ppb	99
41)	Caprolactam	5.83	55	77218	78.80	ppb	97
42)	Hexachlorobutadiene	5.51	225	77332	81.80	ppb	99
43)	4-Chloro-3-methylphenol	5.99	107	144047	80.79	ppb	99
44)	2-Methylnaphthalene	6.16	141	251363	83.17	ppb	98
45)	1-Methylnaphthalene	6.27	142	294491	82.33	ppb	99
46)	Dimethylnaphthalene	6.91	156	267396	83.94	ppb	99
48)	Hexachlorocyclopentadiene	6.36	237	165957	162.57	ppb	99
49)	2,4,6-Trichlorophenol	6.50	196	86498	82.02	ppb	100
50)	2,4,5-Trichlorophenol	6.54	196	102831	82.73	ppb	96
52)	2-Chloronaphthalene	6.74	162	258801	82.39	ppb	99
53)	Biphenyl	6.72	154	351725	83.59	ppb	99
54)	2-Nitroaniline	6.86	65	86964	80.06	ppb	96
55)	Dimethylphthalate	7.10	163	317917	82.14	ppb	100
56)	Acenaphthylene	7.23	152	438667	84.37	ppb	99
57)	2,6-Dinitrotoluene	7.16	165	78220	80.94	ppb	100
58)	3-Nitroaniline	7.36	138	99828	82.16	ppb	95
59)	Acenaphthene	7.44	153	266897	82.99	ppb	99
60)	2,4-Dinitrophenol	7.48	184	94072	158.09	ppb	92
61)	4-Nitrophenol	7.58	109	44103	78.11	ppb	100
62)	Dibenzofuran	7.65	168	355157	84.91	ppb	97
63)	2,4-Dinitrotoluene	7.64	165	95812	83.42	ppb	97
64)	2,3,4,6-Tetrachlorophenol	7.81	232	86644	80.68	ppb	99
65)	Diethylphthalate	7.96	149	296297	82.95	ppb	100
66)	Fluorene	8.07	166	283954	82.91	ppb	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86525.D Vial: 4
Acq On : 20 Jun 2014 4:54 pm Operator: saraw
Sample : ic3684-80 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:22:04 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

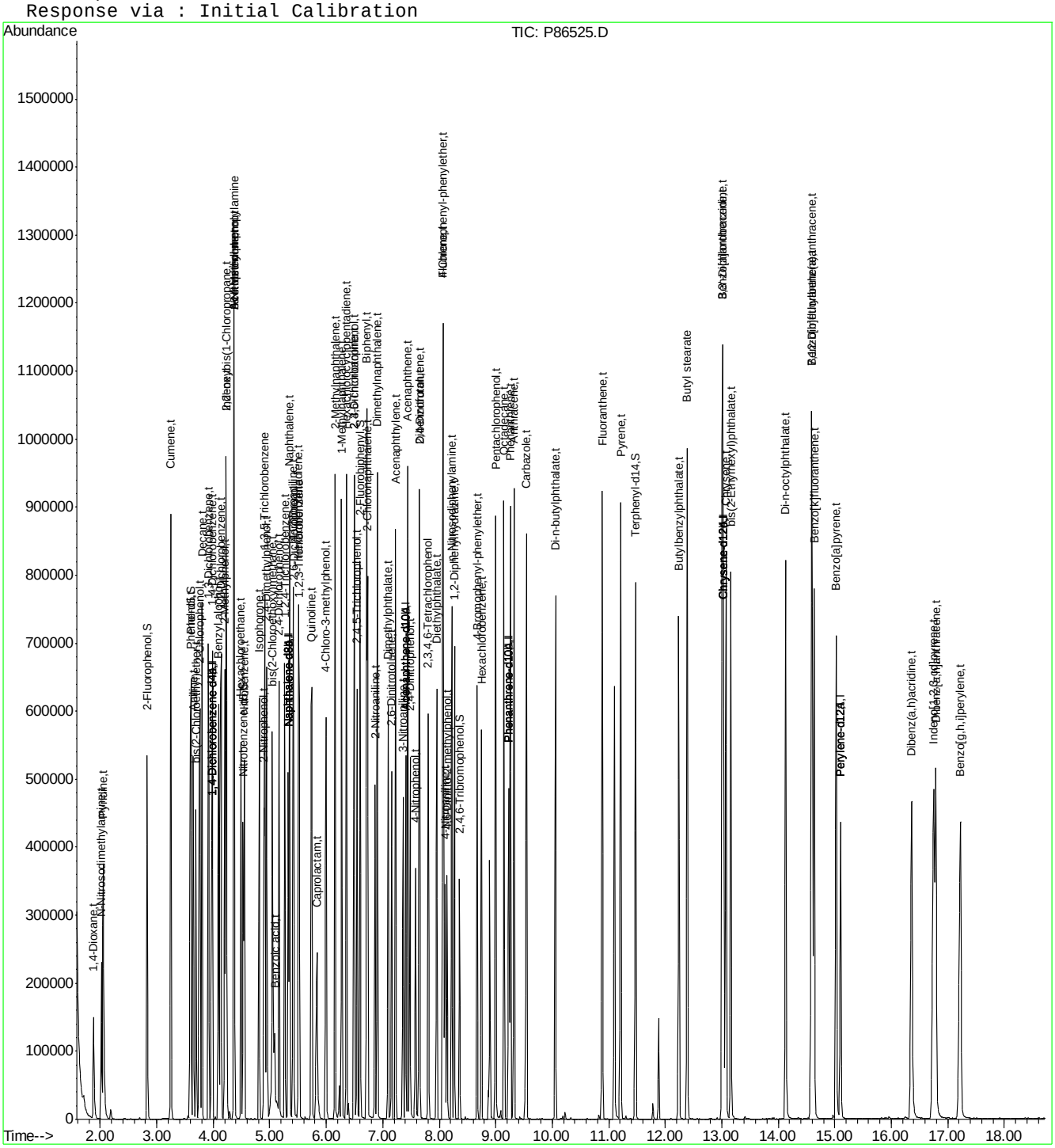
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	4-Chlorophenyl-phenylether	8.08	204	133707	82.77	ppb	99
68)	4-Nitroaniline	8.11	138	91728	79.46	ppb	99
70)	4,6-Dinitro-2-methylphenol	8.14	198	67451	80.73	ppb	98
71)	n-Nitrosodiphenylamine	8.22	169	217448	82.69	ppb	99
72)	1,2-Diphenylhydrazine	8.27	77	298615	82.71	ppb	97
74)	4-Bromophenyl-phenylether	8.67	248	91227	82.35	ppb	97
75)	Hexachlorobenzene	8.75	284	88437	82.82	ppb	93
76)	Pentachlorophenol	9.00	266	119474	159.71	ppb	98
77)	Phenanthrene	9.26	178	432831	83.70	ppb	99
78)	Anthracene	9.33	178	443847	82.56	ppb	99
79)	Carbazole	9.55	167	439918	82.84	ppb	100
80)	Di-n-butylphthalate	10.06	149	510475	83.03	ppb	99
81)	Fluoranthene	10.89	202	512649	81.99	ppb	98
82)	Octadecane	9.14	57	190996	83.26	ppb	100
84)	Pyrene	11.21	202	521704	81.83	ppb	99
86)	Butylbenzylphthalate	12.24	149	238784	80.78	ppb	96
87)	Butyl stearate	12.39	56	180218	81.68	ppb	99
88)	Benzo[a]anthracene	13.02	228	423305	80.89	ppb	99
89)	3,3'-Dichlorobenzidine	13.01	252	163950	79.81	ppb	100
90)	Chrysene	13.08	228	417735	81.30	ppb	99
91)	bis(2-Ethylhexyl)phthalate	13.16	149	301818	81.67	ppb	98
93)	Di-n-octylphthalate	14.13	149	569095	84.15	ppb	100
94)	Benzo[b]fluoranthene	14.59	252	454133	82.57	ppb	98
95)	Benzo[k]fluoranthene	14.64	252	418778	83.69	ppb	98
96)	Benzo[a]pyrene	15.03	252	428197	80.93	ppb	100
97)	Indeno[1,2,3-cd]pyrene	16.75	276	502875	81.52	ppb	99
98)	Dibenz(a,h)acridine	16.37	279	380523	82.23	ppb	100
99)	Dibenz[a,h]anthracene	16.79	278	408046	82.63	ppb	99
100)	7,12-Dimethylbenz(a)anthra	14.60	256	205502	81.18	ppb	99
101)	Benzo[g,h,i]perylene	17.23	276	423097	81.04	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86525.D Vial: 4
Acq On : 20 Jun 2014 4:54 pm Operator: saraw
Sample : ic3684-80 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:23 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

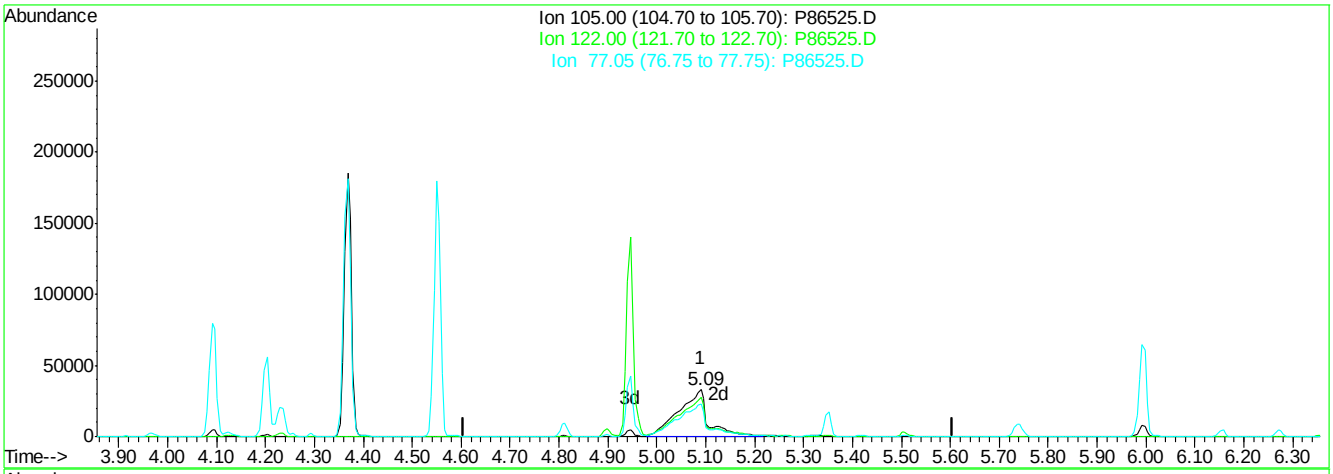
Sample Number:	EP3684-IC3684	**Method:**	SW846 8270D
Lab FileID:	P86525.D	**Analyst approved:**	06/23/14 09:23 Kristi Schollenberger
Injection Time:	06/20/14 16:54	**Supervisor approved:**	06/26/14 18:53 Nina Pandya

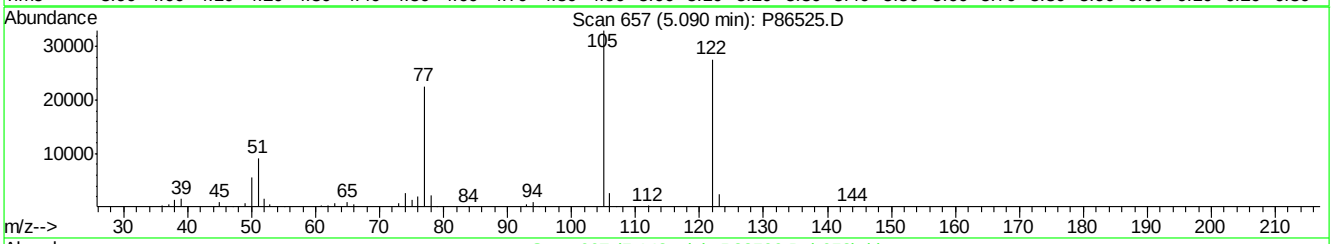
Parameter	CAS	Sig#	R.T. (min.)	Reason
Benzoic acid	65-85-0		5.09	Split peak

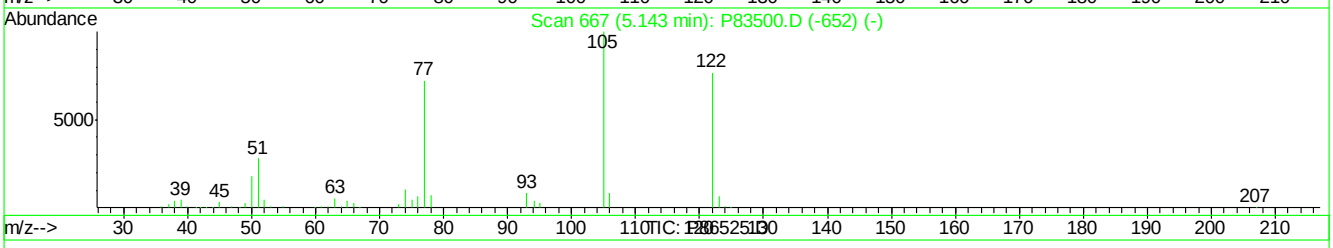
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86525.D Vial: 4
Acq On : 20 Jun 2014 4:54 pm Operator: saraw
Sample : ic3684-80 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:23 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(31) Benzoic acid (t)

5.09min 78.58ppb m

response 140301

Ion	Exp%	Act%
105.00	100	100
122.00	82.50	83.66
77.05	70.40	68.41
0.00	0.00	0.00

P86525.D MP3684.M Thu Jun 26 15:24:43 2014

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 18:53

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86526.D Vial: 5
Acq On : 20 Jun 2014 5:21 pm Operator: saraw
Sample : ic3684-2 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:24:53 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	73593	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	265099	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	158285	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	252059	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	248875	40.00	ppb	-0.02
92) Perylene-d12	15.10	264	228561	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4A	3.96	152	73593	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	265099	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	158285	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	252059	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	248875	40.00	ppb	-0.02
154) Perylene-d12A	15.10	264	228561	40.00	ppb	-0.01
157) 1,4-Dichlorobenzene-d4b	3.96	152	73593	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	252059	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	248875	40.00	ppb	-0.02
163) Naphthalene-d8b	5.32	136	265099	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	158285	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	265099	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	73593	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	248875	40.00	ppb	-0.02
176) Chrysene-d12d	13.02	240	248875	40.00	ppb	-0.02
178) Naphthalene-d8a	5.32	136	265099	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	265099	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	228561	40.00	ppb	-0.20
System Monitoring Compounds						
5) 2-Fluorophenol	2.83	112	5676	2.15	ppb	0.00
Spiked Amount 50.000			Recovery =	4.30%		
8) Phenol-d5	3.58	99	6937	2.22	ppb	-0.01
Spiked Amount 50.000			Recovery =	4.44%		
25) Nitrobenzene-d5	4.52	82	5317	2.29	ppb	-0.01
Spiked Amount 50.000			Recovery =	4.58%		
51) 2-Fluorobiphenyl	6.60	172	11196	2.76	ppb	0.00
Spiked Amount 50.000			Recovery =	5.52%		
73) 2,4,6-Tribromophenol	8.35	330	932	1.63	ppb	-0.01
Spiked Amount 50.000			Recovery =	3.26%		
85) Terphenyl-d14	11.47	244	10947	2.20	ppb	0.00
Spiked Amount 50.000			Recovery =	4.40%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	2657	2.20	ppb	91
3) Pyridine	2.06	79	6453	2.19	ppb	99
4) N-Nitrosodimethylamine	2.02	42	2178	2.08	ppb	85
6) Indene	4.22	116	9617	2.95	ppb	96
7) Cumene	3.25	105	13961	2.59	ppb	99
9) Phenol	3.59	94	7593	2.55	ppb	95
10) Aniline	3.64	93	9550	2.59	ppb	84
11) bis(2-Chloroethyl)ether	3.69	93	5771	2.56	ppb	97
12) 2-Chlorophenol	3.76	128	5805	2.65	ppb	96
13) Decane	3.80	43	5709	2.92	ppb	89

(#) = qualifier out of range (m) = manual integration
P86526.D MP3684.M Mon Jun 23 08:15:33 2014 Page 1

9.6.105
6

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86526.D Vial: 5
Acq On : 20 Jun 2014 5:21 pm Operator: saraw
Sample : ic3684-2 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:24:53 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
14)	1,3-Dichlorobenzene	3.91	146	6644	2.58	ppb		98
15)	1,4-Dichlorobenzene	3.98	146	6529	2.67	ppb		95
16)	Benzyl alcohol	4.09	108	3424	2.03	ppb		96
17)	1,2-Dichlorobenzene	4.13	146	6180	2.82	ppb		96
18)	Acetophenone	4.36	105	7875	3.02	ppb		89
19)	2-Methylphenol	4.19	108	5272	2.36	ppb		97
20)	2,2'-oxybis(1-Chloropropan	4.23	121	1828	2.83	ppb		94
21)	3&4-Methylphenol	4.35	108	5389	2.66	ppb		97
22)	n-Nitroso-di-n-propylamine	4.36	70	3755	2.83	ppb		97
23)	Hexachloroethane	4.49	201	2203	2.28	ppb		95
26)	Nitrobenzene	4.54	77	5584	2.49	ppb		95
27)	Quinoline	5.73	129	10743	2.29	ppb		99
28)	Isophorone	4.80	82	10232	2.38	ppb		95
29)	2-Nitrophenol	4.89	139	2646	2.02	ppb		84
30)	2,4-Dimethylphenol	4.93	107	4651	2.25	ppb		96
31)	Benzoic acid	4.99	105	1491	0.75	ppb		96
32)	bis(2-Chloroethoxy)methane	5.04	93	6194	2.49	ppb		97
33)	2,4-Dichlorophenol	5.16	162	4221	2.22	ppb		96
34)	2,6-Dichlorophenol	5.42	162	4234	2.52	ppb		100
35)	1,3,5-Trichlorobenzene	4.91	180	5565	2.78	ppb		99
36)	1,2,4-Trichlorobenzene	5.26	180	5277	2.63	ppb		99
37)	1,2,3-Trichlorobenzene	5.51	180	5109	2.81	ppb		97
38)	Naphthalene	5.35	128	16071	2.82	ppb		95
39)	4-Chloroaniline	5.40	127	6264	2.46	ppb		98
40)	2,3-Dichloroaniline	6.48	161	5642	2.69	ppb		97
41)	Caprolactam	5.76	55	2113	1.93	ppb		97
42)	Hexachlorobutadiene	5.50	225	2569	2.44	ppb		96
43)	4-Chloro-3-methylphenol	5.98	107	3979	2.00	ppb		100
44)	2-Methylnaphthalene	6.15	141	9104	2.70	ppb		96
45)	1-Methylnaphthalene	6.26	142	10414	2.61	ppb		92
46)	Dimethylnaphthalene	6.90	156	9496	2.67	ppb		99
48)	Hexachlorocyclopentadiene	6.35	237	4319	3.78	ppb		95
49)	2,4,6-Trichlorophenol	6.49	196	2779	2.36	ppb		100
50)	2,4,5-Trichlorophenol	6.53	196	2974	2.14	ppb		93
52)	2-Chloronaphthalene	6.72	162	9911	2.82	ppb		99
53)	Biphenyl	6.71	154	13635	2.90	ppb		99
54)	2-Nitroaniline	6.85	65	2399	1.97	ppb		85
55)	Dimethylphthalate	7.08	163	10695	2.47	ppb		98
56)	Acenaphthylene	7.22	152	15556	2.68	ppb		96
57)	2,6-Dinitrotoluene	7.15	165	1970	1.82	ppb		92
58)	3-Nitroaniline	7.34	138	2503	1.84	ppb		96
59)	Acenaphthene	7.43	153	9877	2.75	ppb		96
60)	2,4-Dinitrophenol	7.47	184	322	0.48	ppb	#	69
61)	4-Nitrophenol	7.57	109	787	1.25	ppb		91
62)	Dibenzofuran	7.64	168	13715	2.93	ppb		98
63)	2,4-Dinitrotoluene	7.63	165	2588	2.01	ppb		90
64)	2,3,4,6-Tetrachlorophenol	7.80	232	1995	1.66	ppb		94
65)	Diethylphthalate	7.94	149	9626	2.41	ppb		95
66)	Fluorene	8.05	166	10622	2.77	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86526.D Vial: 5
Acq On : 20 Jun 2014 5:21 pm Operator: saraw
Sample : ic3684-2 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:24:53 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

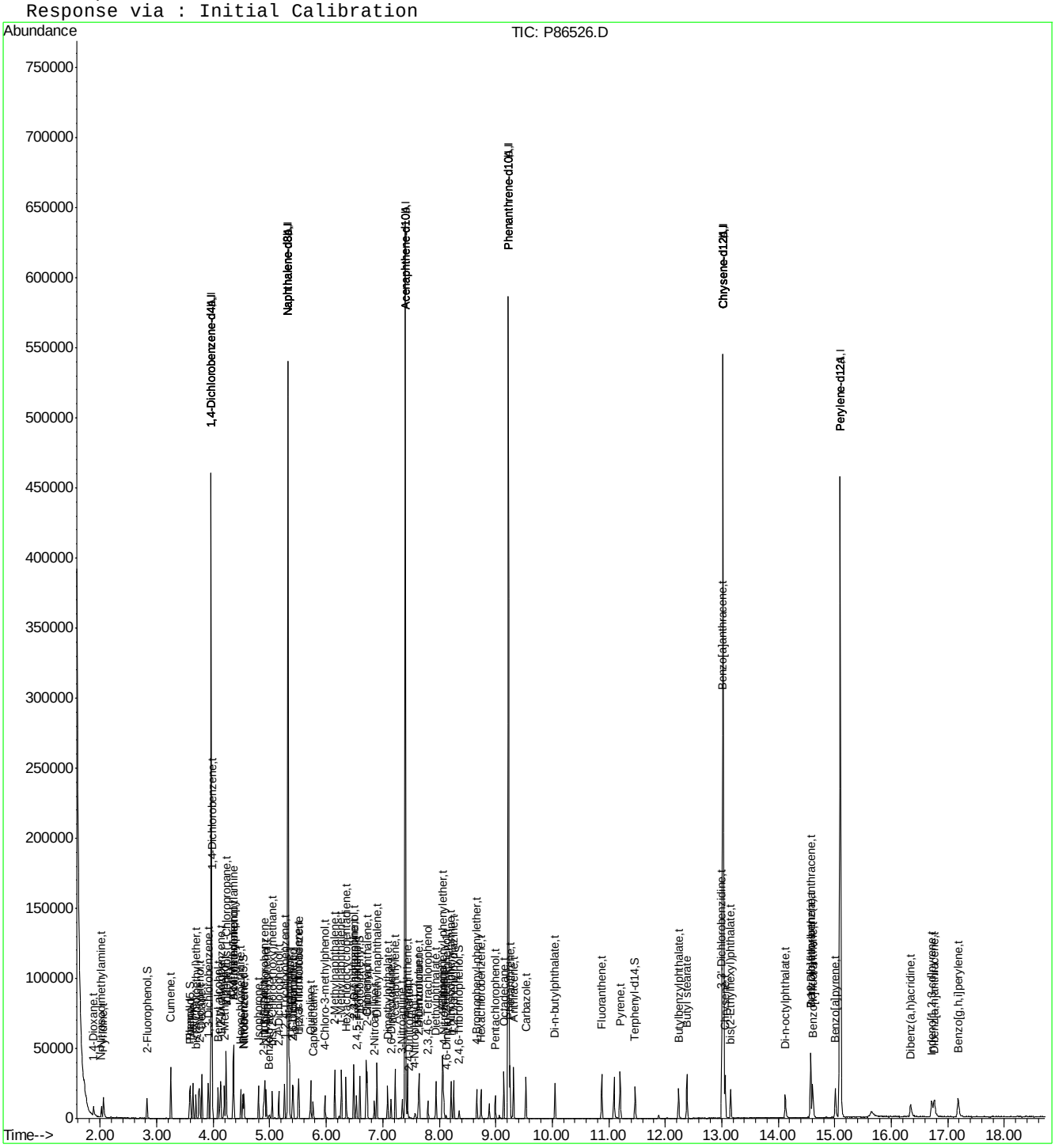
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	4-Chlorophenyl-phenylether	8.07	204	5200	2.88	ppb	93
68)	4-Nitroaniline	8.08	138	2585	2.00	ppb	98
70)	4,6-Dinitro-2-methylphenol	8.12	198	643	0.70	ppb	90
71)	n-Nitrosodiphenylamine	8.21	169	7224	2.49	ppb	99
72)	1,2-Diphenylhydrazine	8.26	77	10750	2.70	ppb	97
74)	4-Bromophenyl-phenylether	8.66	248	2688	2.20	ppb	97
75)	Hexachlorobenzene	8.74	284	3001	2.54	ppb	97
76)	Pentachlorophenol	8.99	266	2518	3.05	ppb	94
77)	Phenanthrene	9.25	178	15751	2.76	ppb	98
78)	Anthracene	9.32	178	15680	2.64	ppb	95
79)	Carbazole	9.53	167	14460	2.47	ppb	97
80)	Di-n-butylphthalate	10.05	149	15588	2.30	ppb	97
81)	Fluoranthene	10.88	202	16599	2.40	ppb	92
82)	Octadecane	9.14	57	6388	2.52	ppb	98
84)	Pyrene	11.20	202	17859	2.33	ppb	94
86)	Butylbenzylphthalate	12.23	149	6495	1.83	ppb	99
87)	Butyl stearate	12.38	56	5873	2.21	ppb	94
88)	Benzo[a]anthracene	13.01	228	15692	2.49	ppb	97
89)	3,3'-Dichlorobenzidine	13.00	252	5186	2.10	ppb	89
90)	Chrysene	13.06	228	14051	2.27	ppb	100
91)	bis(2-Ethylhexyl)phthalate	13.16	149	8327	1.87	ppb	99
93)	Di-n-octylphthalate	14.12	149	14108	1.91	ppb	97
94)	Benzo[b]fluoranthene	14.57	252	14081	2.35	ppb	93
95)	Benzo[k]fluoranthene	14.61	252	14641	2.68	ppb	97
96)	Benzo[a]pyrene	15.01	252	12430	2.16	ppb	93
97)	Indeno[1,2,3-cd]pyrene	16.71	276	14058m	2.09	ppb	
98)	Dibenz(a,h)acridine	16.35	279	9827	1.95	ppb	94
99)	Dibenz[a,h]anthracene	16.76	278	11279	2.10	ppb	93
100)	7,12-Dimethylbenz(a)anthra	14.58	256	6492	2.35	ppb	96
101)	Benzo[g,h,i]perylene	17.18	276	11601	2.04	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86526.D Vial: 5
Acq On : 20 Jun 2014 5:21 pm Operator: saraw
Sample : ic3684-2 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:26 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

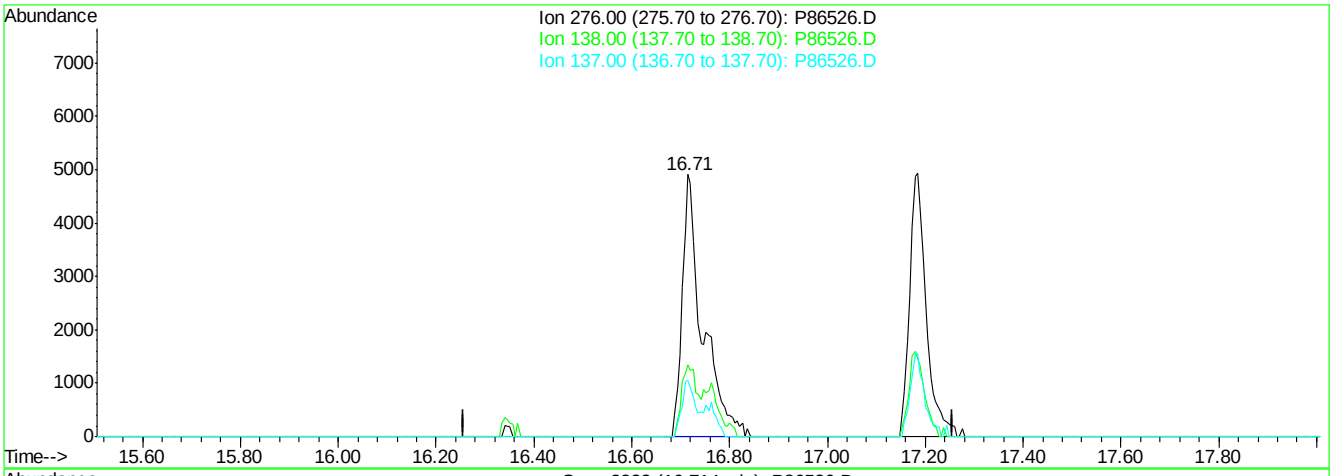
Sample Number:	EP3684-IC3684	**Method:**	SW846 8270D
Lab FileID:	P86526.D	**Analyst approved:**	06/23/14 09:23 Kristi Schollenberger
Injection Time:	06/20/14 17:21	**Supervisor approved:**	06/26/14 18:53 Nina Pandya

Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.71	Split peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86526.D Vial: 5
Acq On : 20 Jun 2014 5:21 pm Operator: saraw
Sample : ic3684-2 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:26 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration



(97) Indeno[1,2,3-cd]pyrene (t)

16.71min 2.09ppb m

response 14058

Ion	Exp%	Act%
276.00	100	100
138.00	28.10	27.50
137.00	19.50	21.48
0.00	0.00	0.00

P86526.D MP3684.M Thu Jun 26 15:24:56 2014

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 19:08

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86527.D Vial: 6
Acq On : 20 Jun 2014 5:53 pm Operator: saraw
Sample : icc3684-50 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:26:45 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	64150	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	239084	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	141342	40.00	ppb	0.00
69) Phenanthrene-d10	9.23	188	226732	40.00	ppb	0.00
83) Chrysene-d12	13.03	240	210455	40.00	ppb	0.00
92) Perylene-d12	15.10	264	207023	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	64150	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	239084	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	141342	40.00	ppb	0.00
131) Phenanthrene-d10A	9.23	188	226732	40.00	ppb	0.00
146) Chrysene-d12A	13.03	240	210455	40.00	ppb	0.00
154) Perylene-d12A	15.10	264	207023	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	64150	40.00	ppb	0.00
159) Phenanthrene-d10b	9.23	188	226732	40.00	ppb	0.00
161) Chrysene-d12b	13.03	240	210455	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	239084	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	141342	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	239084	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	64150	40.00	ppb	-0.02
174) Chrysene-d12c	13.03	240	210455	40.00	ppb	0.00
176) Chrysene-d12d	13.03	240	210455	40.00	ppb	0.00
178) Naphthalene-d8a	5.32	136	239084	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	239084	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	207023	40.00	ppb	-0.20
System Monitoring Compounds						
5) 2-Fluorophenol	2.83	112	125260	54.51	ppb	0.00
Spiked Amount 50.000			Recovery =	109.02%		
8) Phenol-d5	3.59	99	148610	54.54	ppb	0.00
Spiked Amount 50.000			Recovery =	109.08%		
25) Nitrobenzene-d5	4.53	82	112595	53.82	ppb	0.00
Spiked Amount 50.000			Recovery =	107.64%		
51) 2-Fluorobiphenyl	6.60	172	207953	57.34	ppb	0.00
Spiked Amount 50.000			Recovery =	114.68%		
73) 2,4,6-Tribromophenol	8.36	330	27014	52.51	ppb	0.00
Spiked Amount 50.000			Recovery =	105.02%		
85) Terphenyl-d14	11.47	244	227747	54.09	ppb	0.00
Spiked Amount 50.000			Recovery =	108.18%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	55563	52.69	ppb	100
3) Pyridine	2.05	79	139620	54.26	ppb	99
4) N-Nitrosodimethylamine	2.02	42	47960	52.65	ppb	96
6) Indene	4.22	116	171631	60.41	ppb	99
7) Cumene	3.25	105	270959	57.65	ppb	99
9) Phenol	3.60	94	147480	56.84	ppb	98
10) Aniline	3.65	93	183273	56.92	ppb	89
11) bis(2-Chloroethyl)ether	3.70	93	107907	54.98	ppb	97
12) 2-Chlorophenol	3.76	128	110224	57.82	ppb	96
13) Decane	3.80	43	99686	58.50	ppb	98

(#) = qualifier out of range (m) = manual integration
P86527.D MP3684.M Mon Jun 23 08:15:49 2014 Page 1

9.6.106
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86527.D Vial: 6
Acq On : 20 Jun 2014 5:53 pm Operator: saraw
Sample : icc3684-50 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:26:45 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
14) 1,3-Dichlorobenzene	3.91	146	124541	55.45	ppb	98
15) 1,4-Dichlorobenzene	3.98	146	120805	56.70	ppb	99
16) Benzyl alcohol	4.09	108	78523	53.47	ppb	98
17) 1,2-Dichlorobenzene	4.14	146	111509	58.33	ppb	99
18) Acetophenone	4.37	105	134858	59.42	ppb	90
19) 2-Methylphenol	4.20	108	109086	55.94	ppb	98
20) 2,2'-oxybis(1-Chloropropan	4.23	121	32203	57.18	ppb	93
21) 3&4-Methylphenol	4.36	108	106890	60.63	ppb	98
22) n-Nitroso-di-n-propylamine	4.37	70	64393	55.60	ppb	97
23) Hexachloroethane	4.49	201	45126	53.53	ppb	99
26) Nitrobenzene	4.55	77	112727	55.68	ppb	100
27) Quinoline	5.74	129	225727	53.40	ppb	99
28) Isophorone	4.81	82	209543	54.08	ppb	99
29) 2-Nitrophenol	4.90	139	63445	53.84	ppb	98
30) 2,4-Dimethylphenol	4.94	107	104811	56.27	ppb	97
31) Benzoic acid	5.06	105	84558	47.09	ppb	99
32) bis(2-Chloroethoxy)methane	5.05	93	122904	54.75	ppb	99
33) 2,4-Dichlorophenol	5.16	162	94328	54.92	ppb	99
34) 2,6-Dichlorophenol	5.42	162	86038	56.77	ppb	99
35) 1,3,5-Trichlorobenzene	4.91	180	104265	57.84	ppb	99
36) 1,2,4-Trichlorobenzene	5.26	180	100643	55.60	ppb	99
37) 1,2,3-Trichlorobenzene	5.52	180	94862	57.77	ppb	99
38) Naphthalene	5.35	128	298336	58.08	ppb	98
39) 4-Chloroaniline	5.41	127	133234	57.96	ppb	98
40) 2,3-Dichloroaniline	6.49	161	107150	56.65	ppb	98
41) Caprolactam	5.82	55	49998	50.73	ppb	98
42) Hexachlorobutadiene	5.51	225	52978	55.72	ppb	99
43) 4-Chloro-3-methylphenol	5.99	107	96291	53.70	ppb	96
44) 2-Methylnaphthalene	6.16	141	176434	58.05	ppb	98
45) 1-Methylnaphthalene	6.27	142	205205	57.05	ppb	97
46) Dimethylnaphthalene	6.90	156	186397	58.18	ppb	100
48) Hexachlorocyclopentadiene	6.36	237	112664	110.51	ppb	100
49) 2,4,6-Trichlorophenol	6.50	196	60741	57.67	ppb	99
50) 2,4,5-Trichlorophenol	6.54	196	70137	56.50	ppb	97
52) 2-Chloronaphthalene	6.74	162	182384	58.14	ppb	98
53) Biphenyl	6.71	154	247040	58.79	ppb	100
54) 2-Nitroaniline	6.86	65	56920	52.47	ppb	96
55) Dimethylphthalate	7.09	163	212925	55.08	ppb	100
56) Acenaphthylene	7.23	152	300324	57.84	ppb	99
57) 2,6-Dinitrotoluene	7.16	165	51478	53.34	ppb	96
58) 3-Nitroaniline	7.35	138	64789	53.39	ppb	98
59) Acenaphthene	7.44	153	183765	57.21	ppb	99
60) 2,4-Dinitrophenol	7.48	184	58290	98.08	ppb	91
61) 4-Nitrophenol	7.57	109	28097	49.83	ppb	96
62) Dibenzofuran	7.65	168	250926	60.07	ppb	99
63) 2,4-Dinitrotoluene	7.64	165	65710	57.28	ppb	91
64) 2,3,4,6-Tetrachlorophenol	7.80	232	57985	54.07	ppb	100
65) Diethylphthalate	7.95	149	199861	56.02	ppb	98
66) Fluorene	8.07	166	203305	59.44	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86527.D Vial: 6
Acq On : 20 Jun 2014 5:53 pm Operator: saraw
Sample : icc3684-50 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:26:45 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:19:33 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

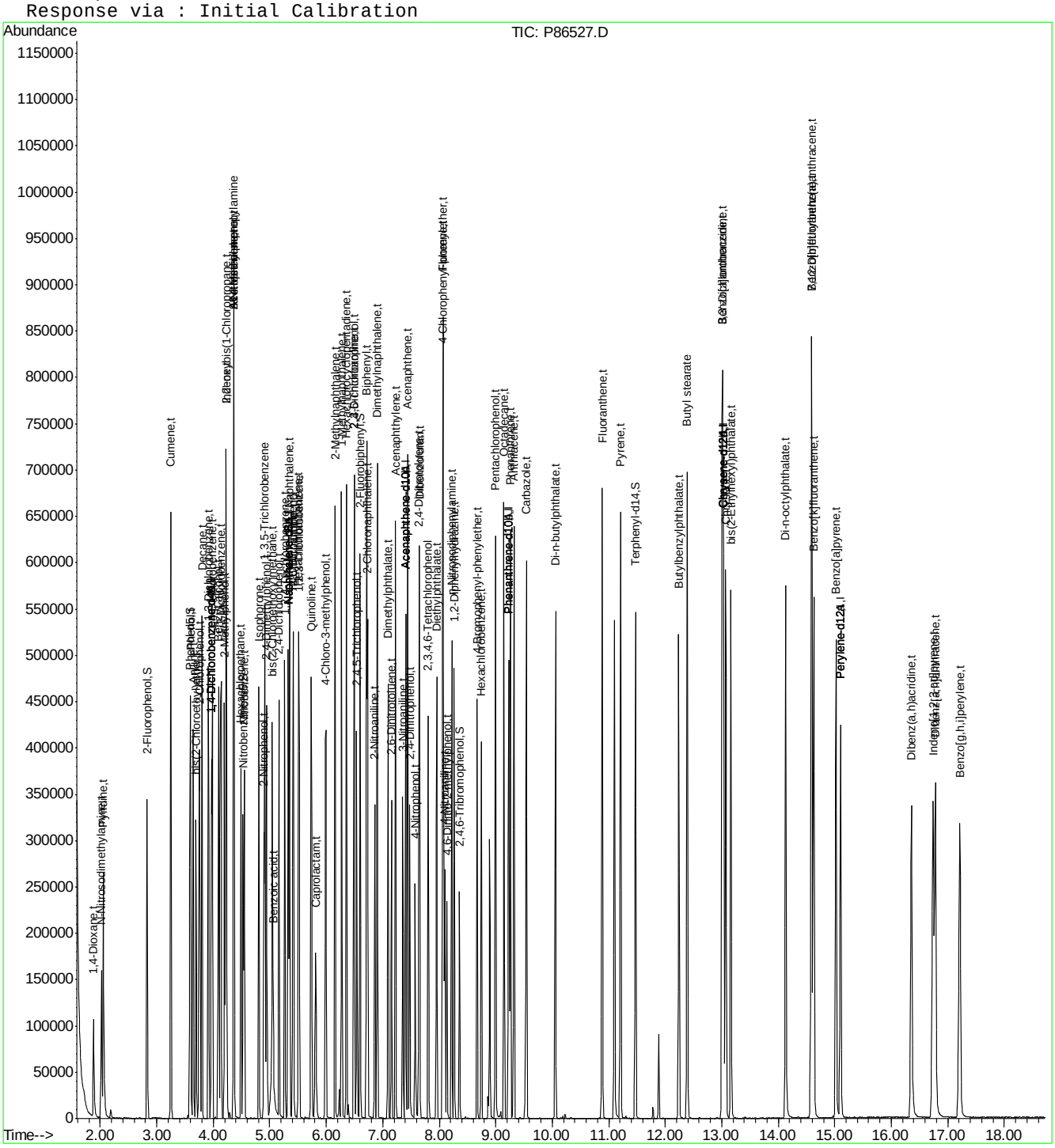
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	4-Chlorophenyl-phenylether	8.08	204	94462	58.55	ppb	99
68)	4-Nitroaniline	8.10	138	63786	55.33	ppb	97
70)	4,6-Dinitro-2-methylphenol	8.13	198	41754	50.29	ppb	97
71)	n-Nitrosodiphenylamine	8.22	169	146524	56.08	ppb	100
72)	1,2-Diphenylhydrazine	8.26	77	205861	57.39	ppb	98
74)	4-Bromophenyl-phenylether	8.67	248	60588	55.04	ppb	97
75)	Hexachlorobenzene	8.75	284	60311	56.84	ppb	93
76)	Pentachlorophenol	8.99	266	81790	110.04	ppb	99
77)	Phenanthrene	9.26	178	297422	57.88	ppb	99
78)	Anthracene	9.33	178	309913	58.02	ppb	98
79)	Carbazole	9.55	167	302102	57.26	ppb	99
80)	Di-n-butylphthalate	10.06	149	348554	57.06	ppb	99
81)	Fluoranthene	10.89	202	353456	56.89	ppb	98
82)	Octadecane	9.14	57	133887	58.74	ppb	100
84)	Pyrene	11.21	202	358876	55.34	ppb	97
86)	Butylbenzylphthalate	12.24	149	161416	53.68	ppb	96
87)	Butyl stearate	12.39	56	128857	57.42	ppb	98
88)	Benzo[a]anthracene	13.02	228	291978	54.86	ppb	99
89)	3,3'-Dichlorobenzidine	13.01	252	114154	54.63	ppb	99
90)	Chrysene	13.07	228	282512	54.06	ppb	99
91)	bis(2-Ethylhexyl)phthalate	13.16	149	207214	55.13	ppb	99
93)	Di-n-octylphthalate	14.13	149	386149	57.83	ppb	99
94)	Benzo[b]fluoranthene	14.59	252	299721	55.19	ppb	98
95)	Benzo[k]fluoranthene	14.63	252	290264	58.75	ppb	98
96)	Benzo[a]pyrene	15.03	252	287737	55.08	ppb	99
97)	Indeno[1,2,3-cd]pyrene	16.74	276	328843m	53.99	ppb	
98)	Dibenz(a,h)acridine	16.36	279	246468	53.94	ppb	100
99)	Dibenz[a,h]anthracene	16.78	278	268894	55.14	ppb	99
100)	7,12-Dimethylbenz(a)anthra	14.59	256	140364	56.16	ppb	100
101)	Benzo[g,h,i]perylene	17.22	276	272566	52.87	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86527.D Vial: 6
Acq On : 20 Jun 2014 5:53 pm Operator: saraw
Sample : icc3684-50 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:28 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

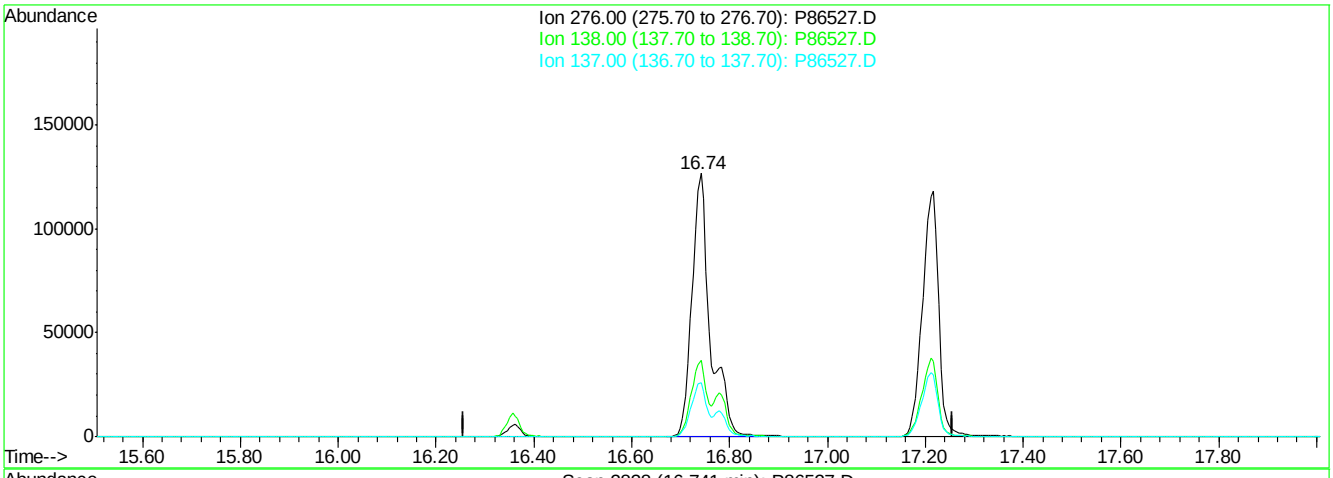
Sample Number:	EP3684-ICC3684	**Method:**	SW846 8270D
Lab FileID:	P86527.D	**Analyst approved:**	06/23/14 09:23 Kristi Schollenberger
Injection Time:	06/20/14 17:53	**Supervisor approved:**	06/26/14 19:08 Nina Pandya

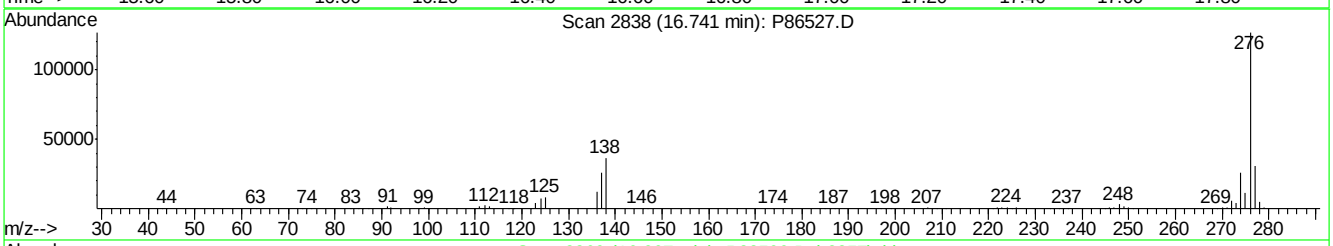
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.74	Split peak

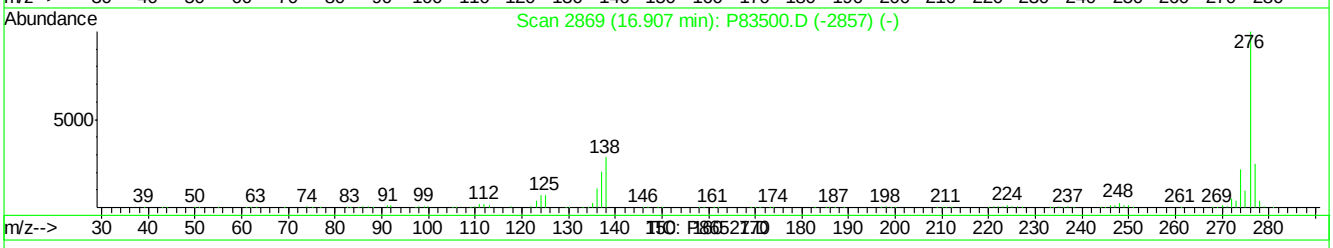
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86527.D Vial: 6
Acq On : 20 Jun 2014 5:53 pm Operator: saraw
Sample : icc3684-50 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 18:28 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(97) Indeno[1,2,3-cd]pyrene (t)

16.74min 53.99ppb m

response 328843

Ion	Exp%	Act%
276.00	100	100
138.00	28.10	28.77
137.00	19.50	20.61
0.00	0.00	0.00

P86527.D MP3684.M Thu Jun 26 15:25:11 2014

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86528.D Vial: 7
Acq On : 20 Jun 2014 6:19 pm Operator: saraw
Sample : ic3684-5 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:13:04 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:12:30 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	71672	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	262105	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	154849	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	246483	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	248388	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	227177	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	71672	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	262105	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	154849	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	246483	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	248388	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	227177	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	71672	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	246483	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	248388	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	262105	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	154849	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	262105	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	71672	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	248388	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	248388	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	262105	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	262105	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	227177	40.00	ppb	-0.20
System Monitoring Compounds						
5) 2-Fluorophenol	2.83	112	13973	5.11	ppb	0.00
Spiked Amount 50.000			Recovery = 10.22%			
8) Phenol-d5	3.58	99	17925	5.39	ppb	0.00
Spiked Amount 50.000			Recovery = 10.78%			
25) Nitrobenzene-d5	4.52	82	13255	5.31	ppb	0.00
Spiked Amount 50.000			Recovery = 10.62%			
51) 2-Fluorobiphenyl	6.60	172	26889	5.54	ppb	0.00
Spiked Amount 50.000			Recovery = 11.08%			
73) 2,4,6-Tribromophenol	8.35	330	2931	5.24	ppb	-0.01
Spiked Amount 50.000			Recovery = 10.48%			
85) Terphenyl-d14	11.47	244	27554	5.22	ppb	0.00
Spiked Amount 50.000			Recovery = 10.44%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	6260	5.09	ppb	98
3) Pyridine	2.06	79	16143	5.21	ppb	98
4) N-Nitrosodimethylamine	2.02	42	5256	5.03	ppb	93
6) Indene	4.22	116	23350	5.62	ppb	97
7) Cumene	3.25	105	34387	5.46	ppb	99
9) Phenol	3.59	94	18516	5.43	ppb	97
10) Aniline	3.64	93	23438	5.50	ppb	98
11) bis(2-Chloroethyl)ether	3.69	93	13853	5.45	ppb	98
12) 2-Chlorophenol	3.76	128	14217	5.49	ppb	98
13) Decane	3.80	43	13828	5.66	ppb	91

(#) = qualifier out of range (m) = manual integration
P86528.D MP3684.M Mon Jun 23 08:16:06 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86528.D Vial: 7
Acq On : 20 Jun 2014 6:19 pm Operator: saraw
Sample : ic3684-5 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:13:04 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:12:30 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
14)	1,3-Dichlorobenzene	3.91	146	15929	5.45	ppb		97
15)	1,4-Dichlorobenzene	3.98	146	15425	5.42	ppb		97
16)	Benzyl alcohol	4.09	108	9212	5.30	ppb		97
17)	1,2-Dichlorobenzene	4.13	146	15041	5.60	ppb		98
18)	Acetophenone	4.36	105	19220	5.75	ppb		99
19)	2-Methylphenol	4.19	108	13098	5.31	ppb		95
20)	2,2'-oxybis(1-Chloropropan	4.23	121	4162	5.42	ppb	#	99
21)	3&4-Methylphenol	4.35	108	13850	5.61	ppb		98
22)	n-Nitroso-di-n-propylamine	4.36	70	8896	5.60	ppb		94
23)	Hexachloroethane	4.49	201	5555	5.42	ppb		92
26)	Nitrobenzene	4.54	77	13848	5.36	ppb		96
27)	Quinoline	5.73	129	26913	5.31	ppb		96
28)	Isophorone	4.80	82	25272	5.35	ppb		99
29)	2-Nitrophenol	4.89	139	6869	5.10	ppb		92
30)	2,4-Dimethylphenol	4.93	107	12292	5.40	ppb		97
31)	Benzoic acid	4.99	105	5689	3.23	ppb		92
32)	bis(2-Chloroethoxy)methane	5.04	93	15058	5.34	ppb		99
33)	2,4-Dichlorophenol	5.16	162	10912	5.30	ppb		98
34)	2,6-Dichlorophenol	5.42	162	10550	5.43	ppb		98
35)	1,3,5-Trichlorobenzene	4.91	180	13457	5.52	ppb		100
36)	1,2,4-Trichlorobenzene	5.26	180	12649	5.40	ppb		98
37)	1,2,3-Trichlorobenzene	5.51	180	12106	5.46	ppb		99
38)	Naphthalene	5.35	128	38980	5.55	ppb		96
39)	4-Chloroaniline	5.40	127	16515	5.52	ppb		99
40)	2,3-Dichloroaniline	6.48	161	14052	5.63	ppb		97
41)	Caprolactam	5.77	55	5565	5.18	ppb		94
42)	Hexachlorobutadiene	5.50	225	6264	5.26	ppb		91
43)	4-Chloro-3-methylphenol	5.98	107	10901	5.32	ppb		94
44)	2-Methylnaphthalene	6.15	141	22080	5.44	ppb		98
45)	1-Methylnaphthalene	6.26	142	26106	5.48	ppb		98
46)	Dimethylnaphthalene	6.90	156	23515	5.49	ppb		97
48)	Hexachlorocyclopentadiene	6.35	237	11631	10.11	ppb		98
49)	2,4,6-Trichlorophenol	6.49	196	7201	5.44	ppb		95
50)	2,4,5-Trichlorophenol	6.53	196	8019	5.38	ppb		97
52)	2-Chloronaphthalene	6.72	162	24305	5.64	ppb		96
53)	Biphenyl	6.71	154	32875	5.62	ppb		99
54)	2-Nitroaniline	6.85	65	6032	5.04	ppb		97
55)	Dimethylphthalate	7.08	163	25192	5.25	ppb		99
56)	Acenaphthylene	7.22	152	37870	5.50	ppb		99
57)	2,6-Dinitrotoluene	7.15	165	5500	5.16	ppb		99
58)	3-Nitroaniline	7.34	138	6712	5.03	ppb		98
59)	Acenaphthene	7.43	153	23545	5.46	ppb		97
60)	2,4-Dinitrophenol	7.47	184	2169	11.28	ppb		84
61)	4-Nitrophenol	7.57	109	2388	4.31	ppb		94
62)	Dibenzofuran	7.64	168	33569	5.64	ppb		97
63)	2,4-Dinitrotoluene	7.63	165	7319	5.33	ppb		96
64)	2,3,4,6-Tetrachlorophenol	7.80	232	5654	4.93	ppb		96
65)	Diethylphthalate	7.94	149	24385	5.44	ppb		99
66)	Fluorene	8.06	166	27382	5.76	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86528.D Vial: 7
Acq On : 20 Jun 2014 6:19 pm Operator: saraw
Sample : ic3684-5 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:13:04 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:12:30 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

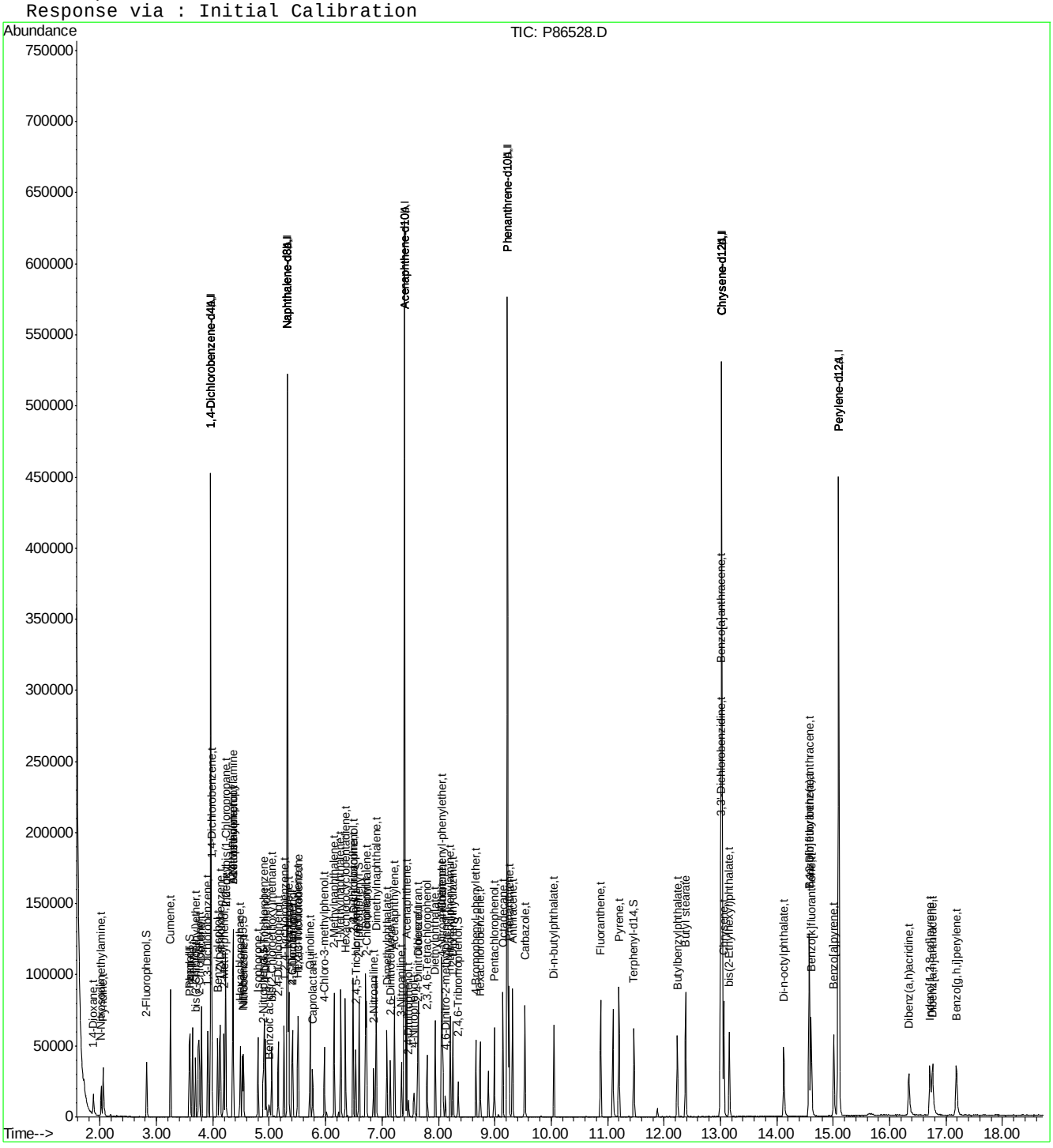
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	4-Chlorophenyl-phenylether	8.07	204	12869	5.66	ppb	96
68)	4-Nitroaniline	8.08	138	7091	5.36	ppb	94
70)	4,6-Dinitro-2-methylphenol	8.12	198	2512	2.96	ppb	92
71)	n-Nitrosodiphenylamine	8.21	169	18197	5.53	ppb	97
72)	1,2-Diphenylhydrazine	8.26	77	26570	5.58	ppb	97
74)	4-Bromophenyl-phenylether	8.66	248	7120	5.38	ppb	95
75)	Hexachlorobenzene	8.74	284	7379	5.48	ppb	87
76)	Pentachlorophenol	8.99	266	7776	10.05	ppb	94
77)	Phenanthrene	9.25	178	38267	5.51	ppb	97
78)	Anthracene	9.32	178	39695	5.65	ppb	99
79)	Carbazole	9.53	167	36965	5.50	ppb	99
80)	Di-n-butylphthalate	10.05	149	40361	5.38	ppb	100
81)	Fluoranthene	10.88	202	42268	5.43	ppb	99
82)	Octadecane	9.14	57	16415	5.51	ppb	98
84)	Pyrene	11.20	202	45986	5.42	ppb	100
86)	Butylbenzylphthalate	12.23	149	17126	4.91	ppb	95
87)	Butyl stearate	12.38	56	15960	5.38	ppb	97
88)	Benzo[a]anthracene	13.01	228	37587	5.25	ppb	98
89)	3,3'-Dichlorobenzidine	13.00	252	13516	5.14	ppb	99
90)	Chrysene	13.06	228	35525	5.27	ppb	98
91)	bis(2-Ethylhexyl)phthalate	13.16	149	22735	5.05	ppb	99
93)	Di-n-octylphthalate	14.12	149	38180	5.00	ppb	99
94)	Benzo[b]fluoranthene	14.57	252	36348	5.38	ppb	96
95)	Benzo[k]fluoranthene	14.61	252	37094	5.50	ppb	97
96)	Benzo[a]pyrene	15.01	252	31720	5.09	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.71	276	35136	4.95	ppb	98
98)	Dibenz(a,h)acridine	16.35	279	25118	4.91	ppb	97
99)	Dibenz[a,h]anthracene	16.76	278	29134	5.02	ppb	94
100)	7,12-Dimethylbenz(a)anthra	14.57	256	16585	5.35	ppb	98
101)	Benzo[g,h,i]perylene	17.18	276	29321	4.91	ppb	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86528.D Vial: 7
Acq On : 20 Jun 2014 6:19 pm Operator: saraw
Sample : ic3684-5 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:14 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

P86529.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya 06/26/14 18:53

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86529.D Vial: 8
Acq On : 20 Jun 2014 6:45 pm Operator: saraw
Sample : ic3684-25 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 19:04:35 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:31:27 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	68440	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	254411	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	148421	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	239222	40.00	ppb	0.00
83) Chrysene-d12	13.03	240	233665	40.00	ppb	0.00
92) Perylene-d12	15.10	264	220133	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	68440	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	254411	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	148421	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	239222	40.00	ppb	0.00
146) Chrysene-d12A	13.03	240	233665	40.00	ppb	0.00
154) Perylene-d12A	15.10	264	220133	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	68440	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	239222	40.00	ppb	0.00
161) Chrysene-d12b	13.03	240	233665	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	254411	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	148421	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	254411	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	68440	40.00	ppb	-0.03
174) Chrysene-d12c	13.03	240	233665	40.00	ppb	0.00
176) Chrysene-d12d	13.03	240	233665	40.00	ppb	0.00
178) Naphthalene-d8a	5.32	136	254411	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	254411	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	220133	40.00	ppb	-0.20
System Monitoring Compounds						
5) 2-Fluorophenol	2.82	112	68410	26.87	ppb	0.00
Spiked Amount 50.000			Recovery = 53.74%			
8) Phenol-d5	3.58	99	82060	26.74	ppb	0.00
Spiked Amount 50.000			Recovery = 53.48%			
25) Nitrobenzene-d5	4.52	82	61278	25.84	ppb	0.00
Spiked Amount 50.000			Recovery = 51.68%			
51) 2-Fluorobiphenyl	6.60	172	119957	26.83	ppb	0.00
Spiked Amount 50.000			Recovery = 53.66%			
73) 2,4,6-Tribromophenol	8.35	330	14474	27.58	ppb	0.00
Spiked Amount 50.000			Recovery = 55.16%			
85) Terphenyl-d14	11.47	244	128290	26.34	ppb	0.00
Spiked Amount 50.000			Recovery = 52.68%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	29573	25.27	ppb	99
3) Pyridine	2.05	79	75932	26.16	ppb	99
4) N-Nitrosodimethylamine	2.02	42	25094	25.25	ppb	99
6) Indene	4.22	116	100485	26.55	ppb	99
7) Cumene	3.25	105	154909	26.78	ppb	98
9) Phenol	3.60	94	84064	26.86	ppb	97
10) Aniline	3.64	93	104213	26.65	ppb	98
11) bis(2-Chloroethyl)ether	3.69	93	61156	25.98	ppb	98
12) 2-Chlorophenol	3.76	128	62829	26.38	ppb	97
13) Decane	3.80	43	58540	26.15	ppb	96

(#) = qualifier out of range (m) = manual integration
P86529.D MP3684.M Mon Jun 23 08:16:15 2014 Page 1

9.6.108

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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86529.D Vial: 8
Acq On : 20 Jun 2014 6:45 pm Operator: saraw
Sample : ic3684-25 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 19:04:35 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:31:27 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
14) 1,3-Dichlorobenzene	3.91	146	71473	26.40	ppb	99
15) 1,4-Dichlorobenzene	3.98	146	68368	25.89	ppb	99
16) Benzyl alcohol	4.09	108	44340	27.61	ppb	98
17) 1,2-Dichlorobenzene	4.13	146	65517	26.65	ppb	99
18) Acetophenone	4.36	105	81106	26.88	ppb	99
19) 2-Methylphenol	4.20	108	60717	26.58	ppb	99
20) 2,2'-oxybis(1-Chloropropan	4.23	121	18810	27.20	ppb	98
21) 3&4-Methylphenol	4.35	108	62753	28.35	ppb	98
22) n-Nitroso-di-n-propylamine	4.36	70	37426	25.55	ppb	98
23) Hexachloroethane	4.49	201	24923	26.23	ppb	94
26) Nitrobenzene	4.54	77	63503	26.05	ppb	99
27) Quinoline	5.73	129	124731	26.00	ppb	99
28) Isophorone	4.80	82	116994	26.28	ppb	99
29) 2-Nitrophenol	4.89	139	34439	26.99	ppb	98
30) 2,4-Dimethylphenol	4.94	107	58106	27.36	ppb	95
31) Benzoic acid	5.04	105	39811	25.27	ppb	98
32) bis(2-Chloroethoxy)methane	5.04	93	68379	25.64	ppb	99
33) 2,4-Dichlorophenol	5.16	162	52026	26.93	ppb	98
34) 2,6-Dichlorophenol	5.42	162	49177	27.17	ppb	99
35) 1,3,5-Trichlorobenzene	4.91	180	59717	26.27	ppb	100
36) 1,2,4-Trichlorobenzene	5.26	180	57237	25.91	ppb	100
37) 1,2,3-Trichlorobenzene	5.52	180	54444	26.20	ppb	100
38) Naphthalene	5.35	128	171377	26.09	ppb	99
39) 4-Chloroaniline	5.40	127	76315	27.56	ppb	99
40) 2,3-Dichloroaniline	6.48	161	61016	26.19	ppb	100
41) Caprolactam	5.79	55	26081	25.37	ppb	99
42) Hexachlorobutadiene	5.50	225	28999	25.62	ppb	99
43) 4-Chloro-3-methylphenol	5.98	107	52174	27.21	ppb	97
44) 2-Methylnaphthalene	6.15	141	101095	26.66	ppb	99
45) 1-Methylnaphthalene	6.27	142	117727	26.50	ppb	99
46) Dimethylnaphthalene	6.90	156	106072	26.53	ppb	98
48) Hexachlorocyclopentadiene	6.35	237	61246	57.93	ppb	98
49) 2,4,6-Trichlorophenol	6.49	196	34171	28.38	ppb	100
50) 2,4,5-Trichlorophenol	6.53	196	37948	27.81	ppb	97
52) 2-Chloronaphthalene	6.73	162	105501	26.72	ppb	99
53) Biphenyl	6.71	154	144851	27.08	ppb	99
54) 2-Nitroaniline	6.85	65	30820	27.54	ppb	99
55) Dimethylphthalate	7.09	163	116282	25.75	ppb	100
56) Acenaphthylene	7.22	152	171525	27.09	ppb	99
57) 2,6-Dinitrotoluene	7.15	165	28066	28.52	ppb	99
58) 3-Nitroaniline	7.35	138	35525	28.75	ppb	96
59) Acenaphthene	7.43	153	105320	26.33	ppb	98
60) 2,4-Dinitrophenol	7.47	184	26095	44.76	ppb	88
61) 4-Nitrophenol	7.57	109	14724	27.66	ppb	96
62) Dibenzofuran	7.64	168	146801	27.04	ppb	98
63) 2,4-Dinitrotoluene	7.63	165	36922	29.79	ppb	98
64) 2,3,4,6-Tetrachlorophenol	7.80	232	30451	28.53	ppb	98
65) Diethylphthalate	7.95	149	111845	26.97	ppb	99
66) Fluorene	8.06	166	119114	27.75	ppb	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86529.D Vial: 8
Acq On : 20 Jun 2014 6:45 pm Operator: saraw
Sample : ic3684-25 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 19:04:35 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:31:27 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

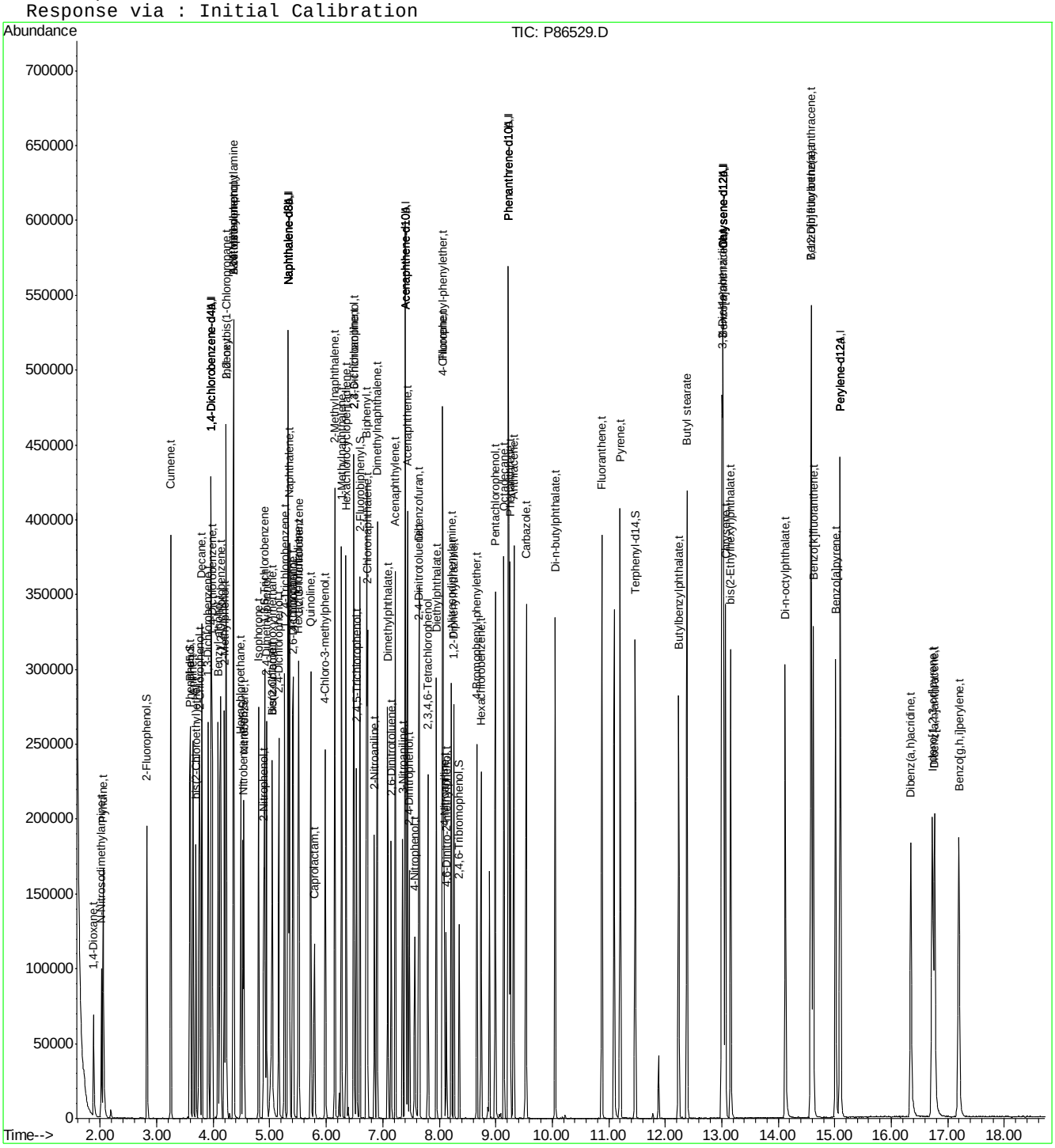
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	4-Chlorophenyl-phenylether	8.07	204	55861	26.88	ppb	98
68)	4-Nitroaniline	8.09	138	34000	27.90	ppb	99
70)	4,6-Dinitro-2-methylphenol	8.12	198	20488	24.00	ppb	92
71)	n-Nitrosodiphenylamine	8.21	169	81943	26.82	ppb	99
72)	1,2-Diphenylhydrazine	8.26	77	118193	26.72	ppb	97
74)	4-Bromophenyl-phenylether	8.66	248	33438	26.92	ppb	98
75)	Hexachlorobenzene	8.74	284	33831	26.96	ppb	99
76)	Pentachlorophenol	8.99	266	44523	63.28	ppb	98
77)	Phenanthrene	9.26	178	169739	26.10	ppb	99
78)	Anthracene	9.32	178	178223	27.58	ppb	99
79)	Carbazole	9.54	167	170315	27.29	ppb	99
80)	Di-n-butylphthalate	10.05	149	192706	27.63	ppb	99
81)	Fluoranthene	10.88	202	197035	27.23	ppb	99
82)	Octadecane	9.14	57	77249	28.27	ppb	99
84)	Pyrene	11.20	202	205444	26.54	ppb	99
86)	Butylbenzylphthalate	12.24	149	86964	26.77	ppb	99
87)	Butyl stearate	12.38	56	76164	28.85	ppb	98
88)	Benzo[a]anthracene	13.01	228	170089	25.63	ppb	99
89)	3,3'-Dichlorobenzidine	13.00	252	65026	26.92	ppb	99
90)	Chrysene	13.07	228	160395	25.77	ppb	99
91)	bis(2-Ethylhexyl)phthalate	13.16	149	113632	27.50	ppb	99
93)	Di-n-octylphthalate	14.12	149	206701	28.89	ppb	100
94)	Benzo[b]fluoranthene	14.58	252	166106	26.09	ppb	98
95)	Benzo[k]fluoranthene	14.62	252	167867	26.96	ppb	99
96)	Benzo[a]pyrene	15.02	252	158377	26.73	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.73	276	176649m	25.76	ppb	
98)	Dibenz(a,h)acridine	16.35	279	129775	26.24	ppb	99
99)	Dibenz[a,h]anthracene	16.77	278	146570	26.40	ppb	97
100)	7,12-Dimethylbenz(a)anthra	14.58	256	79266	27.31	ppb	99
101)	Benzo[g,h,i]perylene	17.20	276	146806	25.33	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86529.D Vial: 8
Acq On : 20 Jun 2014 6:45 pm Operator: saraw
Sample : ic3684-25 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:08 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

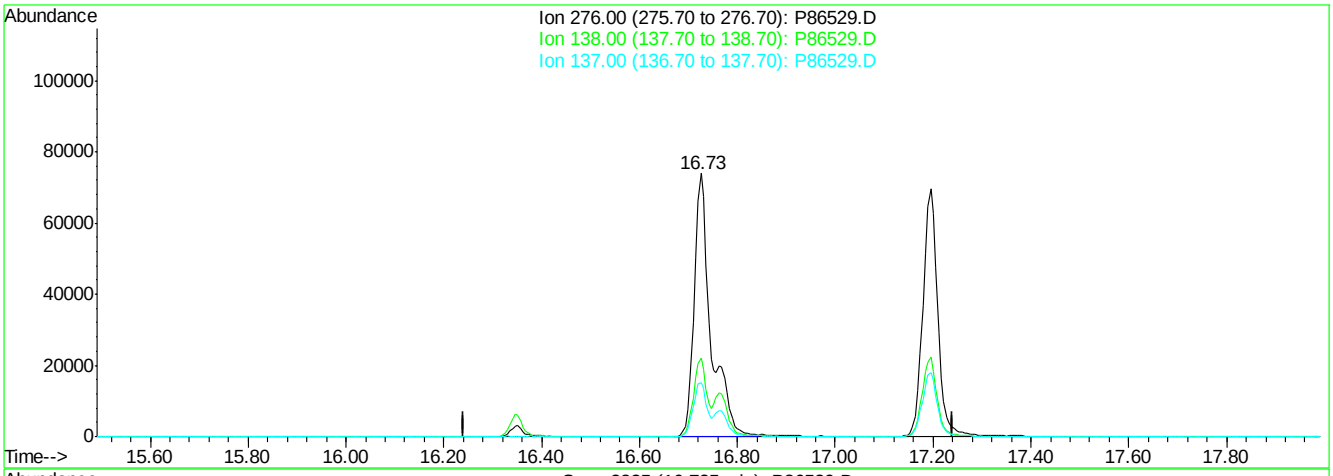
Sample Number:	EP3684-IC3684	**Method:**	SW846 8270D
Lab FileID:	P86529.D	**Analyst approved:**	06/23/14 09:23 Kristi Schollenberger
Injection Time:	06/20/14 18:45	**Supervisor approved:**	06/26/14 18:53 Nina Pandya

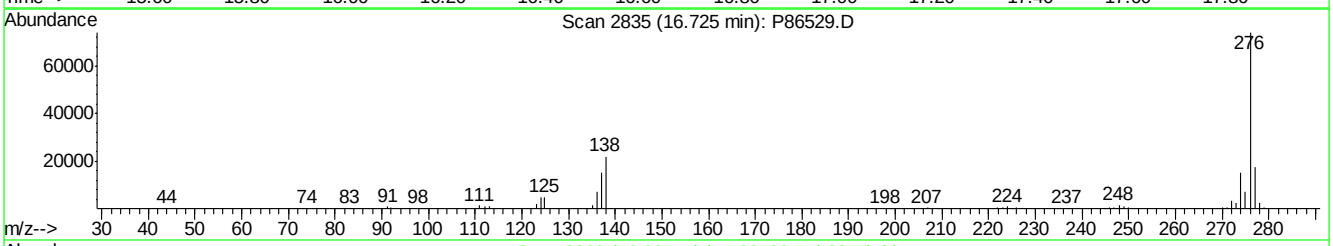
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.73	Split peak

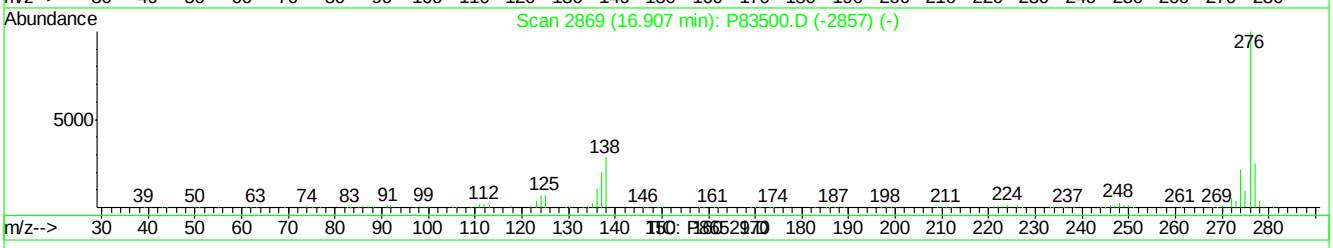
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86529.D Vial: 8
Acq On : 20 Jun 2014 6:45 pm Operator: saraw
Sample : ic3684-25 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:08 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(97) Indeno[1,2,3-cd]pyrene (t)

16.73min 25.76ppb m

response 176649

Ion	Exp%	Act%
276.00	100	100
138.00	28.80	29.63
137.00	20.60	20.60
0.00	0.00	0.00

P86529.D MP3684.M Thu Jun 26 15:25:44 2014

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya 06/26/14 18:53

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86530.D Vial: 9
Acq On : 20 Jun 2014 7:11 pm Operator: saraw
Sample : ic3684-10 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 19:30:46 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:31:27 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	73851	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	270808	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	162185	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	257626	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	259998	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	239940	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	73851	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	270808	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	162185	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	257626	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	259998	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	239940	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	73851	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	257626	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	259998	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	270808	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	162185	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	270808	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	73851	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	259998	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	259998	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	270808	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	270808	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	239940	40.00	ppb	-0.20
System Monitoring Compounds						
5) 2-Fluorophenol	2.82	112	29657	10.79	ppb	0.00
Spiked Amount 50.000			Recovery = 21.58%			
8) Phenol-d5	3.58	99	36330	10.97	ppb	0.00
Spiked Amount 50.000			Recovery = 21.94%			
25) Nitrobenzene-d5	4.52	82	26529	10.51	ppb	0.00
Spiked Amount 50.000			Recovery = 21.02%			
51) 2-Fluorobiphenyl	6.60	172	53907	11.03	ppb	0.00
Spiked Amount 50.000			Recovery = 22.06%			
73) 2,4,6-Tribromophenol	8.35	330	5972	10.57	ppb	-0.01
Spiked Amount 50.000			Recovery = 21.14%			
85) Terphenyl-d14	11.47	244	56306	10.39	ppb	0.00
Spiked Amount 50.000			Recovery = 20.78%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	12603	9.98	ppb	99
3) Pyridine	2.05	79	33003	10.54	ppb	99
4) N-Nitrosodimethylamine	2.02	42	10831	10.10	ppb	97
6) Indene	4.22	116	46690	11.43	ppb	99
7) Cumene	3.25	105	69636	11.16	ppb	98
9) Phenol	3.59	94	37918	11.23	ppb	98
10) Aniline	3.64	93	46949	11.13	ppb	100
11) bis(2-Chloroethyl)ether	3.69	93	27514	10.83	ppb	97
12) 2-Chlorophenol	3.76	128	28500	11.09	ppb	99
13) Decane	3.80	43	26954	11.16	ppb	97

(#) = qualifier out of range (m) = manual integration
P86530.D MP3684.M Mon Jun 23 08:16:40 2014 Page 1

9.6.109
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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86530.D Vial: 9
Acq On : 20 Jun 2014 7:11 pm Operator: saraw
Sample : ic3684-10 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 19:30:46 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:31:27 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
14)	1,3-Dichlorobenzene	3.91	146	31221	10.69	ppb	98
15)	1,4-Dichlorobenzene	3.98	146	30943	10.86	ppb	99
16)	Benzyl alcohol	4.09	108	18565	10.71	ppb	100
17)	1,2-Dichlorobenzene	4.13	146	29543	11.14	ppb	98
18)	Acetophenone	4.36	105	38112	11.70	ppb	95
19)	2-Methylphenol	4.19	108	26845	10.89	ppb	99
20)	2,2'-oxybis(1-Chloropropan	4.23	121	8801	11.80	ppb	98
21)	3&4-Methylphenol	4.35	108	28296	11.85	ppb	98
22)	n-Nitroso-di-n-propylamine	4.36	70	17443	11.03	ppb	97
23)	Hexachloroethane	4.49	201	10966	10.70	ppb	95
26)	Nitrobenzene	4.54	77	28142	10.85	ppb	99
27)	Quinoline	5.73	129	54894	10.75	ppb	99
28)	Isophorone	4.80	82	51367	10.84	ppb	97
29)	2-Nitrophenol	4.89	139	14543	10.71	ppb	91
30)	2,4-Dimethylphenol	4.93	107	24822	10.98	ppb	97
31)	Benzoic acid	5.01	105	14428	8.60	ppb	94
32)	bis(2-Chloroethoxy)methane	5.04	93	31027	10.93	ppb	100
33)	2,4-Dichlorophenol	5.16	162	22652	11.02	ppb	99
34)	2,6-Dichlorophenol	5.42	162	21612	11.22	ppb	99
35)	1,3,5-Trichlorobenzene	4.91	180	27149	11.22	ppb	100
36)	1,2,4-Trichlorobenzene	5.26	180	25376	10.79	ppb	98
37)	1,2,3-Trichlorobenzene	5.51	180	24609	11.13	ppb	98
38)	Naphthalene	5.35	128	77449	11.08	ppb	99
39)	4-Chloroaniline	5.40	127	33267	11.29	ppb	100
40)	2,3-Dichloroaniline	6.48	161	27439	11.07	ppb	99
41)	Caprolactam	5.77	55	11415	10.43	ppb	93
42)	Hexachlorobutadiene	5.50	225	12944	10.74	ppb	98
43)	4-Chloro-3-methylphenol	5.98	107	22540	11.04	ppb	97
44)	2-Methylnaphthalene	6.15	141	45198	11.20	ppb	99
45)	1-Methylnaphthalene	6.26	142	53463	11.30	ppb	99
46)	Dimethylnaphthalene	6.90	156	47605	11.19	ppb	100
48)	Hexachlorocyclopentadiene	6.35	237	26041	22.54	ppb	95
49)	2,4,6-Trichlorophenol	6.49	196	15084	11.46	ppb	98
50)	2,4,5-Trichlorophenol	6.53	196	16977	11.39	ppb	97
52)	2-Chloronaphthalene	6.72	162	48439	11.23	ppb	98
53)	Biphenyl	6.71	154	65761	11.25	ppb	100
54)	2-Nitroaniline	6.85	65	12987	10.62	ppb	94
55)	Dimethylphthalate	7.09	163	51835	10.50	ppb	98
56)	Acenaphthylene	7.22	152	76845	11.11	ppb	98
57)	2,6-Dinitrotoluene	7.15	165	11680	10.86	ppb	98
58)	3-Nitroaniline	7.34	138	14688	10.88	ppb	97
59)	Acenaphthene	7.43	153	47382	10.84	ppb	98
60)	2,4-Dinitrophenol	7.47	184	7834	14.90	ppb	83
61)	4-Nitrophenol	7.56	109	5921	10.18	ppb	96
62)	Dibenzofuran	7.64	168	67607	11.40	ppb	98
63)	2,4-Dinitrotoluene	7.63	165	15797	11.66	ppb	95
64)	2,3,4,6-Tetrachlorophenol	7.80	232	12685	10.88	ppb	99
65)	Diethylphthalate	7.94	149	49334	10.88	ppb	99
66)	Fluorene	8.06	166	54181	11.55	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86530.D Vial: 9
Acq On : 20 Jun 2014 7:11 pm Operator: saraw
Sample : ic3684-10 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 20 19:30:46 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Fri Jun 20 18:31:27 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

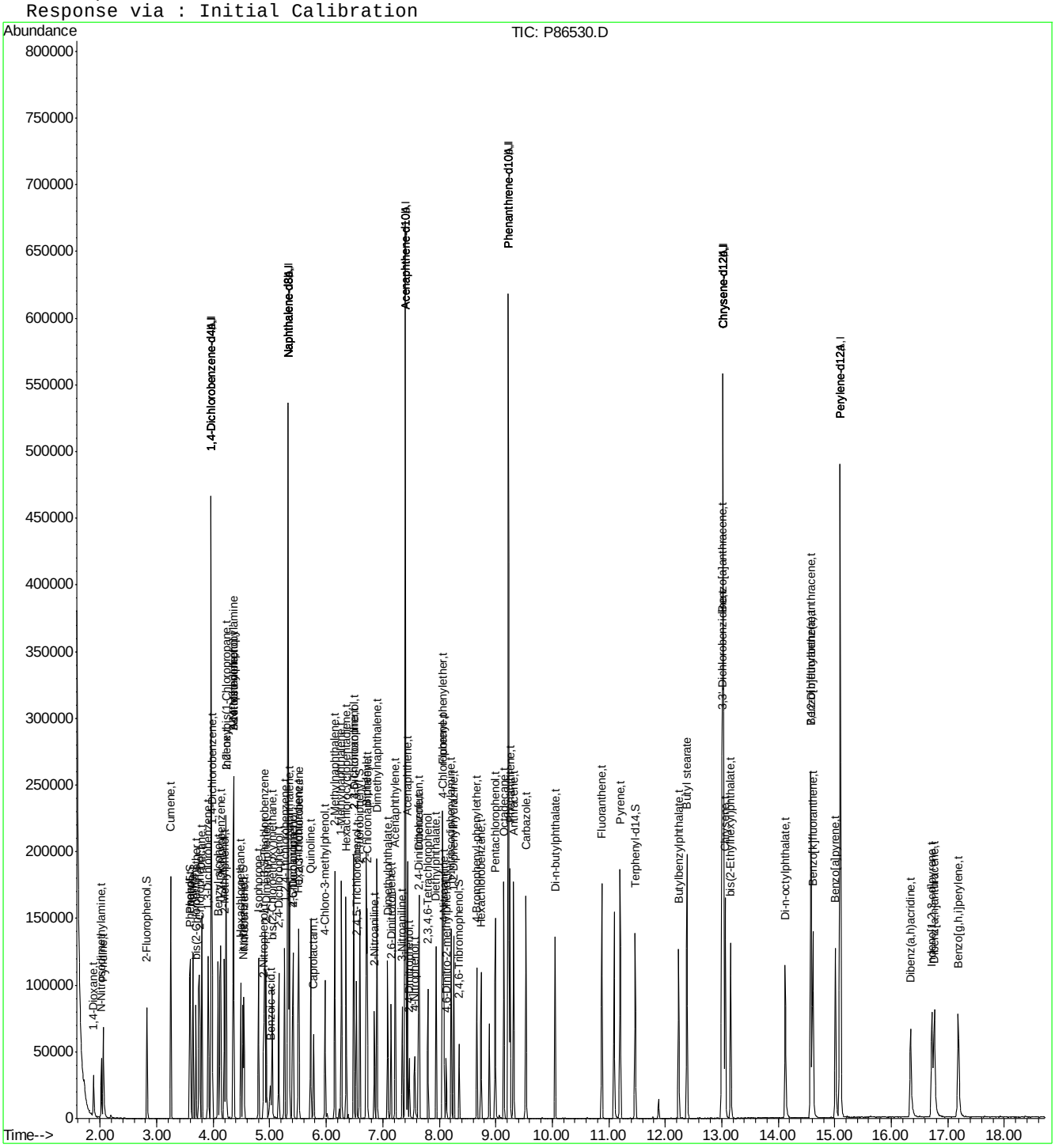
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
67)	4-Chlorophenyl-phenylether	8.07	204	25544	11.25	ppb	97
68)	4-Nitroaniline	8.08	138	14566	10.94	ppb	99
70)	4,6-Dinitro-2-methylphenol	8.12	198	7110	8.40	ppb	98
71)	n-Nitrosodiphenylamine	8.21	169	37116	11.28	ppb	99
72)	1,2-Diphenylhydrazine	8.26	77	53436	11.22	ppb	98
74)	4-Bromophenyl-phenylether	8.66	248	14581	10.90	ppb	98
75)	Hexachlorobenzene	8.74	284	14984	11.09	ppb	92
76)	Pentachlorophenol	8.99	266	18135	23.93	ppb	98
77)	Phenanthrene	9.25	178	77918	11.13	ppb	98
78)	Anthracene	9.32	178	79761	11.46	ppb	99
79)	Carbazole	9.53	167	75559	11.24	ppb	99
80)	Di-n-butylphthalate	10.05	149	84217	11.21	ppb	99
81)	Fluoranthene	10.88	202	87686	11.25	ppb	99
82)	Octadecane	9.14	57	34597	11.76	ppb	99
84)	Pyrene	11.20	202	92516	10.74	ppb	98
86)	Butylbenzylphthalate	12.23	149	36692	10.15	ppb	95
87)	Butyl stearate	12.38	56	34069	11.60	ppb	97
88)	Benzo[a]anthracene	13.01	228	76194	10.32	ppb	99
89)	3,3'-Dichlorobenzidine	13.00	252	28624	10.65	ppb	98
90)	Chrysene	13.06	228	72349	10.45	ppb	98
91)	bis(2-Ethylhexyl)phthalate	13.16	149	48783	10.61	ppb	99
93)	Di-n-octylphthalate	14.12	149	84437	10.83	ppb	98
94)	Benzo[b]fluoranthene	14.57	252	74717	10.77	ppb	98
95)	Benzo[k]fluoranthene	14.61	252	78466	11.56	ppb	99
96)	Benzo[a]pyrene	15.01	252	67697	10.48	ppb	95
97)	Indeno[1,2,3-cd]pyrene	16.72	276	74855m	10.02	ppb	
98)	Dibenz(a,h)acridine	16.35	279	53368	9.90	ppb	97
99)	Dibenz[a,h]anthracene	16.76	278	61909	10.23	ppb	97
100)	7,12-Dimethylbenz(a)anthra	14.58	256	34214	10.82	ppb	98
101)	Benzo[g,h,i]perylene	17.19	276	62248	9.85	ppb	97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86530.D Vial: 9
Acq On : 20 Jun 2014 7:11 pm Operator: saraw
Sample : ic3684-10 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:10 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration



Manual Integration Approval Summary

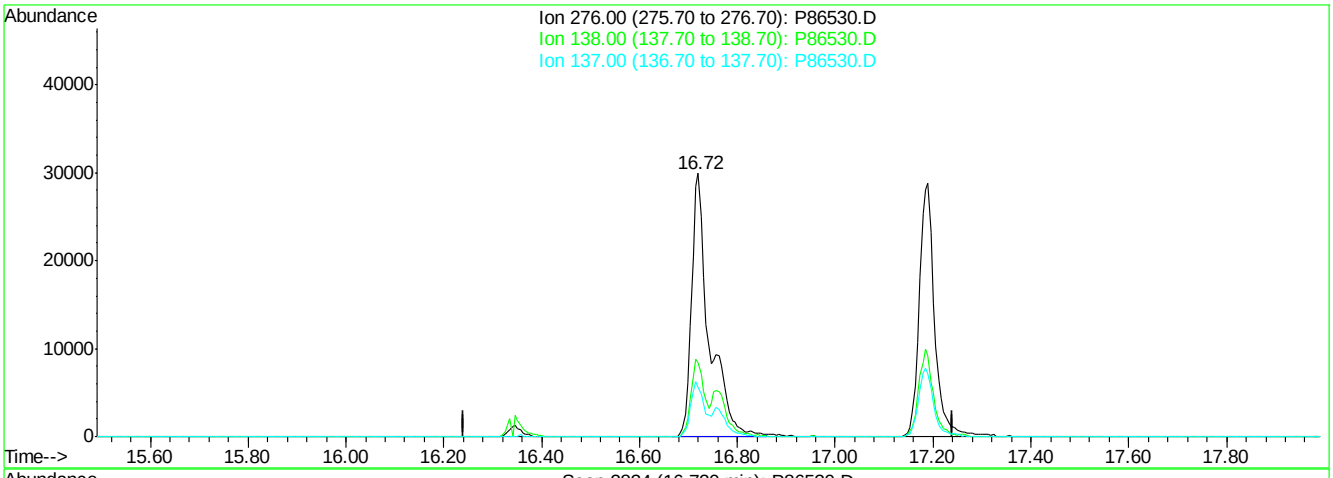
Sample Number:	EP3684-IC3684	**Method:**	SW846 8270D
Lab FileID:	P86530.D	**Analyst approved:**	06/23/14 09:23 Kristi Schollenberger
Injection Time:	06/20/14 19:11	**Supervisor approved:**	06/26/14 18:53 Nina Pandya

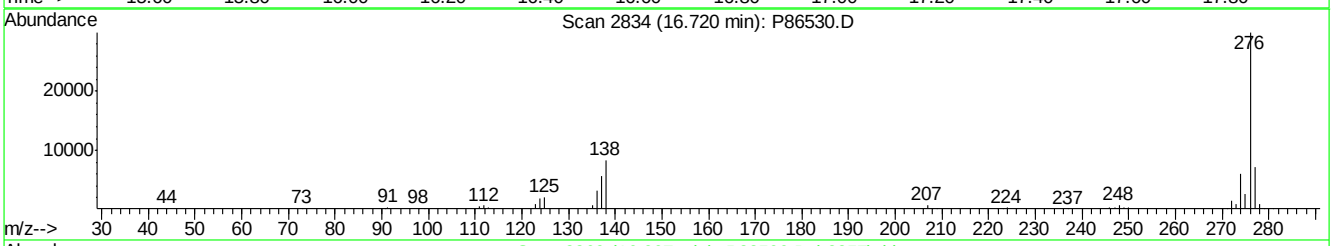
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.72	Split peak

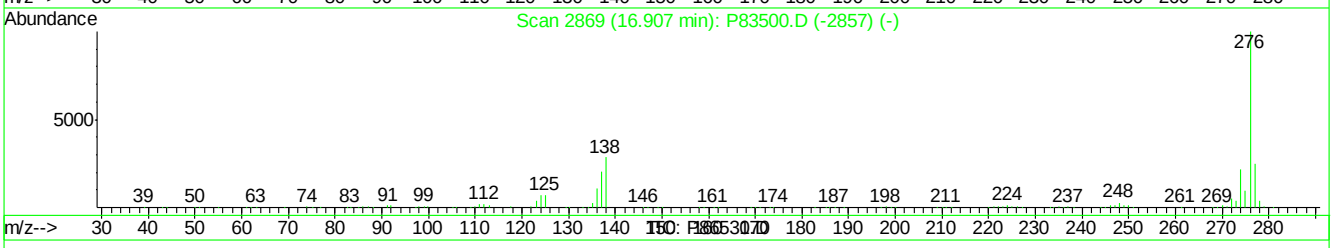
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86530.D Vial: 9
Acq On : 20 Jun 2014 7:11 pm Operator: saraw
Sample : ic3684-10 Inst : MSP
Misc : op75641,ep3684,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 13:10 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(97) Indeno[1,2,3-cd]pyrene (t)

16.72min 10.02ppb m

response 74855

Ion	Exp%	Act%
276.00	100	100
138.00	28.80	27.95
137.00	20.60	18.86
0.00	0.00	0.00

P86530.D MP3684.M Thu Jun 26 15:23:36 2014

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86532.D Vial: 10
Acq On : 20 Jun 2014 7:45 pm Operator: saraw
Sample : ic3685-100 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:29:40 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	60725	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	224587	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	103736	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	206207	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	193652	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	179084	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	60725	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	224587	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	103736	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	206207	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	193652	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	179084	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	60725	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	206207	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	193652	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	224587	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	103736	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	224587	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	60725	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	193652	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	193652	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	224587	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	224587	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	179084	40.00	ppb	-0.20
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	162492	100.00	ppb	96
160) Atrazine	8.90	200	106437	100.00	ppb	94
162) Benzidine	11.10	184	389565	100.00	ppb	99
164) Hydroquinone	5.81	110	216354	100.00	ppb	97
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	164617	100.00	ppb	100

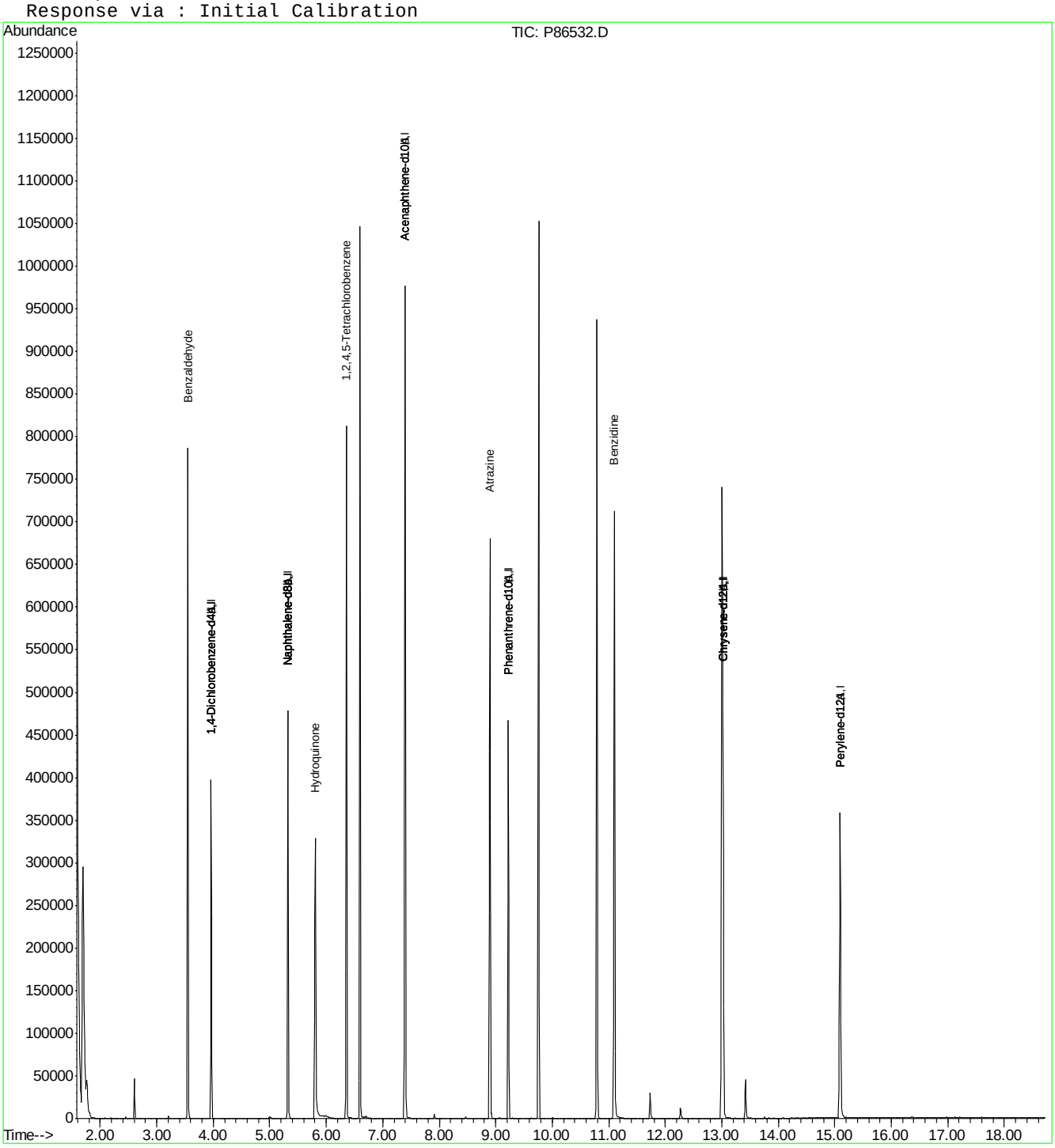
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86532.D Vial: 10
Acq On : 20 Jun 2014 7:45 pm Operator: saraw
Sample : ic3685-100 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:30 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86533.D Vial: 11
Acq On : 20 Jun 2014 8:11 pm Operator: saraw
Sample : ic3685-80 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:30:22 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

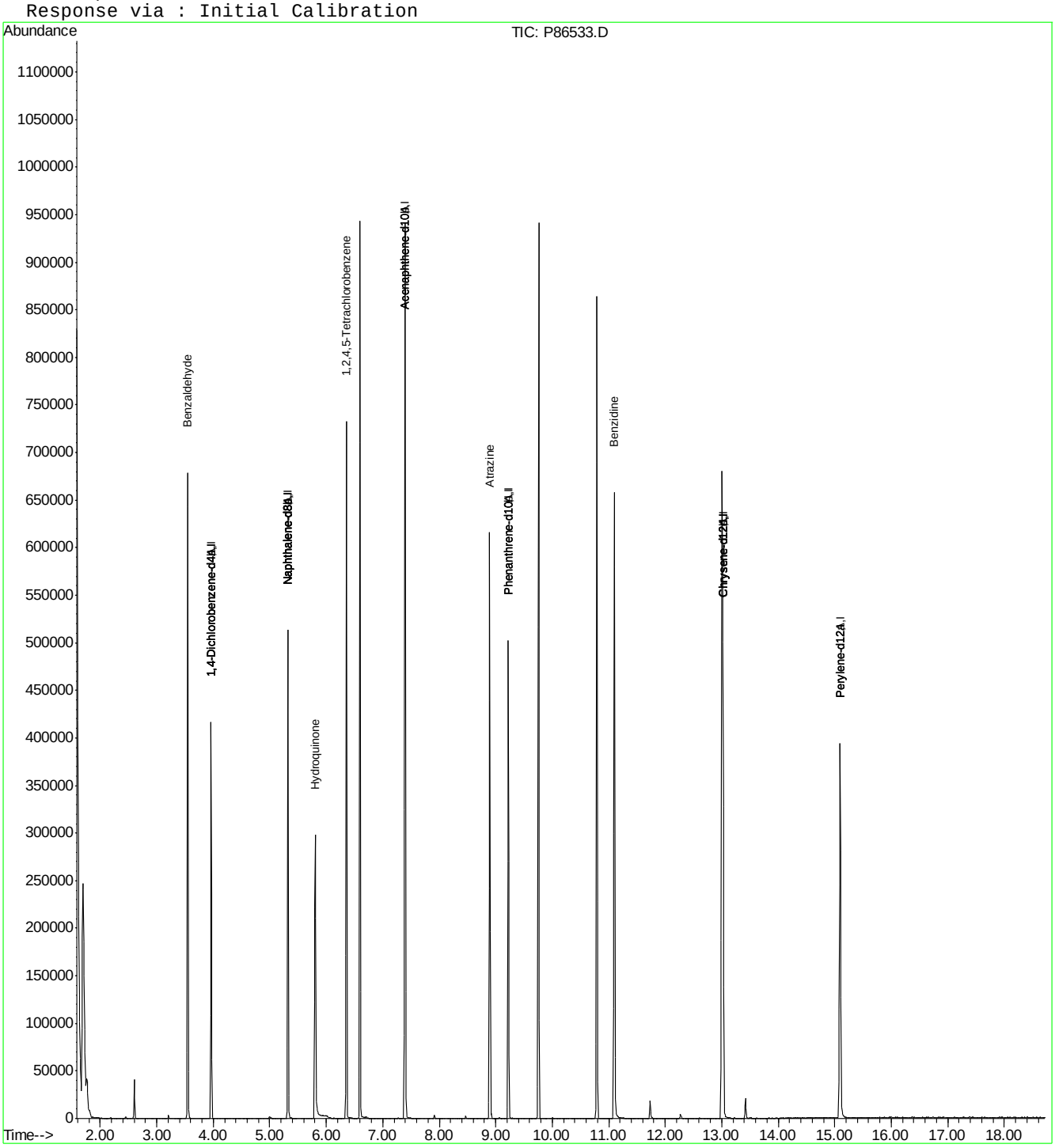
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	65498	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	243680	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	116370	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	219838	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	208568	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	194193	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	65498	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	243680	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	116370	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	219838	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	208568	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	194193	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	65498	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	219838	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	208568	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	243680	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	116370	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	243680	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	65498	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	208568	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	208568	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	243680	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	243680	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	194193	40.00	ppb	-0.20
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	145295	82.90	ppb	96
160) Atrazine	8.89	200	94902	83.63	ppb	94
162) Benzidine	11.10	184	359513	85.69	ppb	99
164) Hydroquinone	5.81	110	190518	81.16	ppb	96
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	148007	80.15	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86533.D Vial: 11
Acq On : 20 Jun 2014 8:11 pm Operator: saraw
Sample : ic3685-80 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:30 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86534.D Vial: 12
Acq On : 20 Jun 2014 8:38 pm Operator: saraw
Sample : icc3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:31:03 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

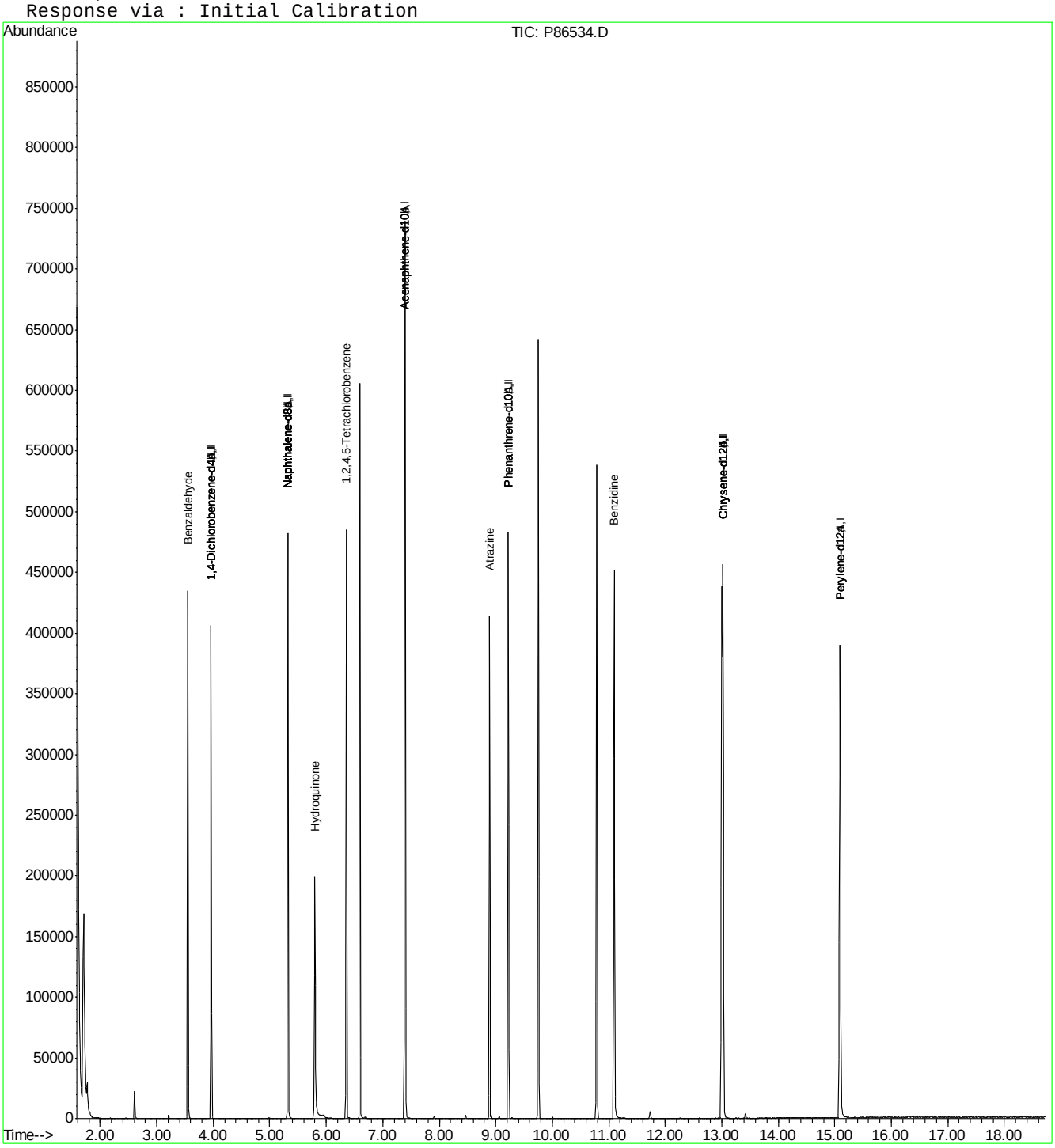
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	62854	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	232918	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	117803	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	213326	40.00	ppb	-0.01
83) Chrysene-d12	13.02	240	207680	40.00	ppb	-0.01
92) Perylene-d12	15.09	264	186639	40.00	ppb	-0.01
102) 1,4-Dichlorobenzene-d4A	3.96	152	62854	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	232918	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	117803	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	213326	40.00	ppb	-0.01
146) Chrysene-d12A	13.02	240	207680	40.00	ppb	-0.01
154) Perylene-d12A	15.09	264	186639	40.00	ppb	-0.01
157) 1,4-Dichlorobenzene-d4b	3.96	152	62854	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	213326	40.00	ppb	-0.01
161) Chrysene-d12b	13.02	240	207680	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	232918	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	117803	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	232918	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	62854	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	207680	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	207680	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	232918	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	232918	40.00	ppb	-0.08
182) Perylene-d12a	15.09	264	186639	40.00	ppb	-0.21
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	92030	54.72	ppb	95
160) Atrazine	8.89	200	59284	53.84	ppb	94
162) Benzidine	11.09	184	227625	54.48	ppb	98
164) Hydroquinone	5.80	110	110449	49.22	ppb	97
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	94246	50.42	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86534.D Vial: 12
Acq On : 20 Jun 2014 8:38 pm Operator: saraw
Sample : icc3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:31 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86535.D Vial: 13
Acq On : 20 Jun 2014 9:05 pm Operator: saraw
Sample : ic3685-25 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:31:40 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

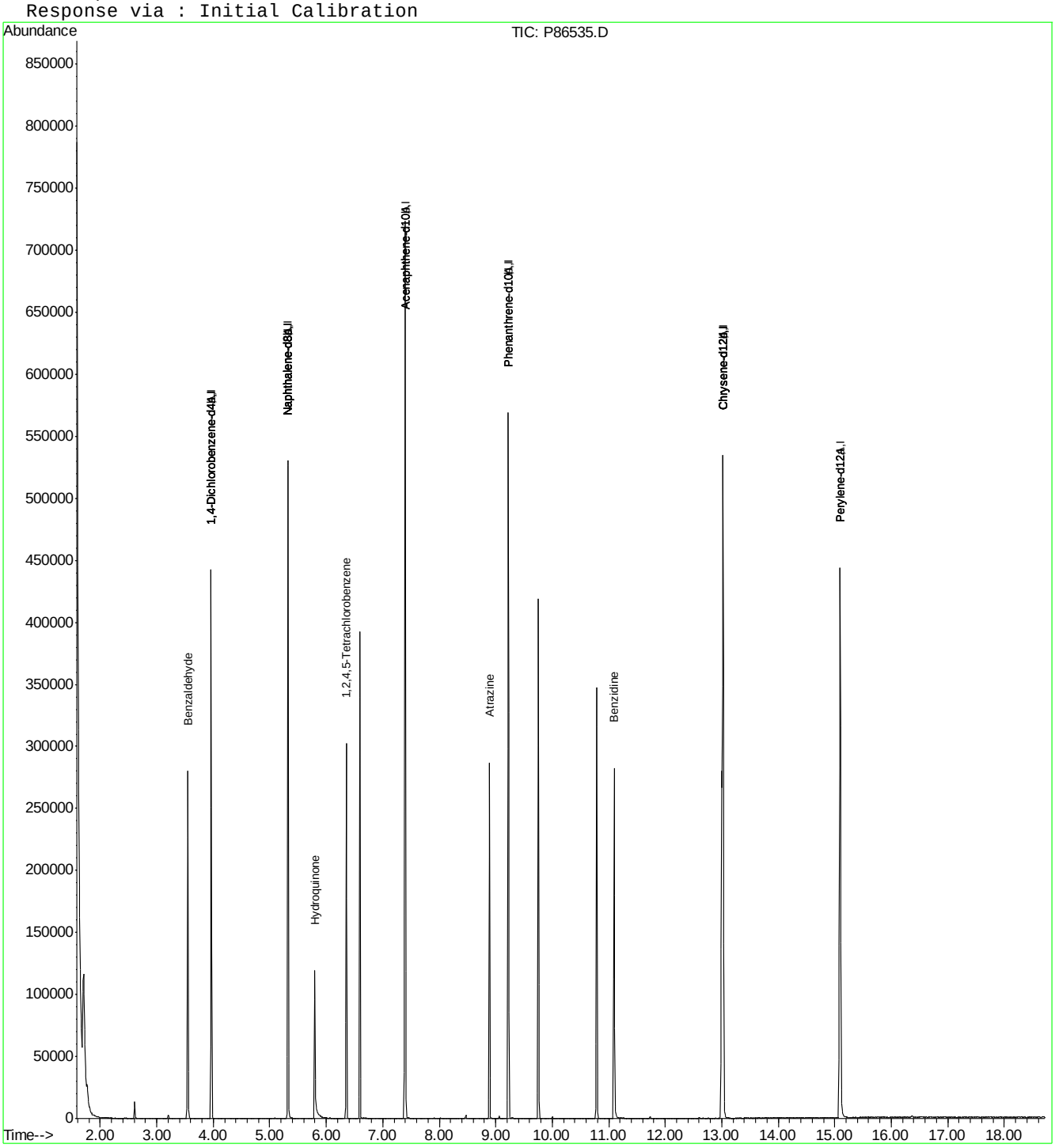
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	71454	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	266661	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	141057	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	246560	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	245102	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	218737	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	71454	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	266661	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	141057	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	246560	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	245102	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	218737	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	71454	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	246560	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	245102	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	266661	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	141057	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	266661	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	71454	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	245102	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	245102	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	266661	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	266661	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	218737	40.00	ppb	-0.20
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	55724	29.14	ppb	96
160) Atrazine	8.89	200	35231	27.68	ppb	95
162) Benzidine	11.09	184	139364	28.26	ppb	98
164) Hydroquinone	5.79	110	63344	24.66	ppb	96
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	58168	25.99	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86535.D Vial: 13
Acq On : 20 Jun 2014 9:05 pm Operator: saraw
Sample : ic3685-25 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:32 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86536.D Vial: 14
Acq On : 20 Jun 2014 9:33 pm Operator: saraw
Sample : ic3685-10 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:32:15 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	73692	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	271027	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	147754	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	247007	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	247348	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	217994	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	73692	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	271027	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	147754	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	247007	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	247348	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	217994	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	73692	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	247007	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	247348	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	271027	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	147754	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	271027	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	73692	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	247348	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	247348	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	271027	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	271027	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	217994	40.00	ppb	-0.20
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	26336	13.36	ppb	96
160) Atrazine	8.89	200	16145	12.66	ppb	96
162) Benzidine	11.09	184	63802	12.82	ppb	98
164) Hydroquinone	5.79	110	25957	9.94	ppb	97
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	27813	11.86	ppb	97

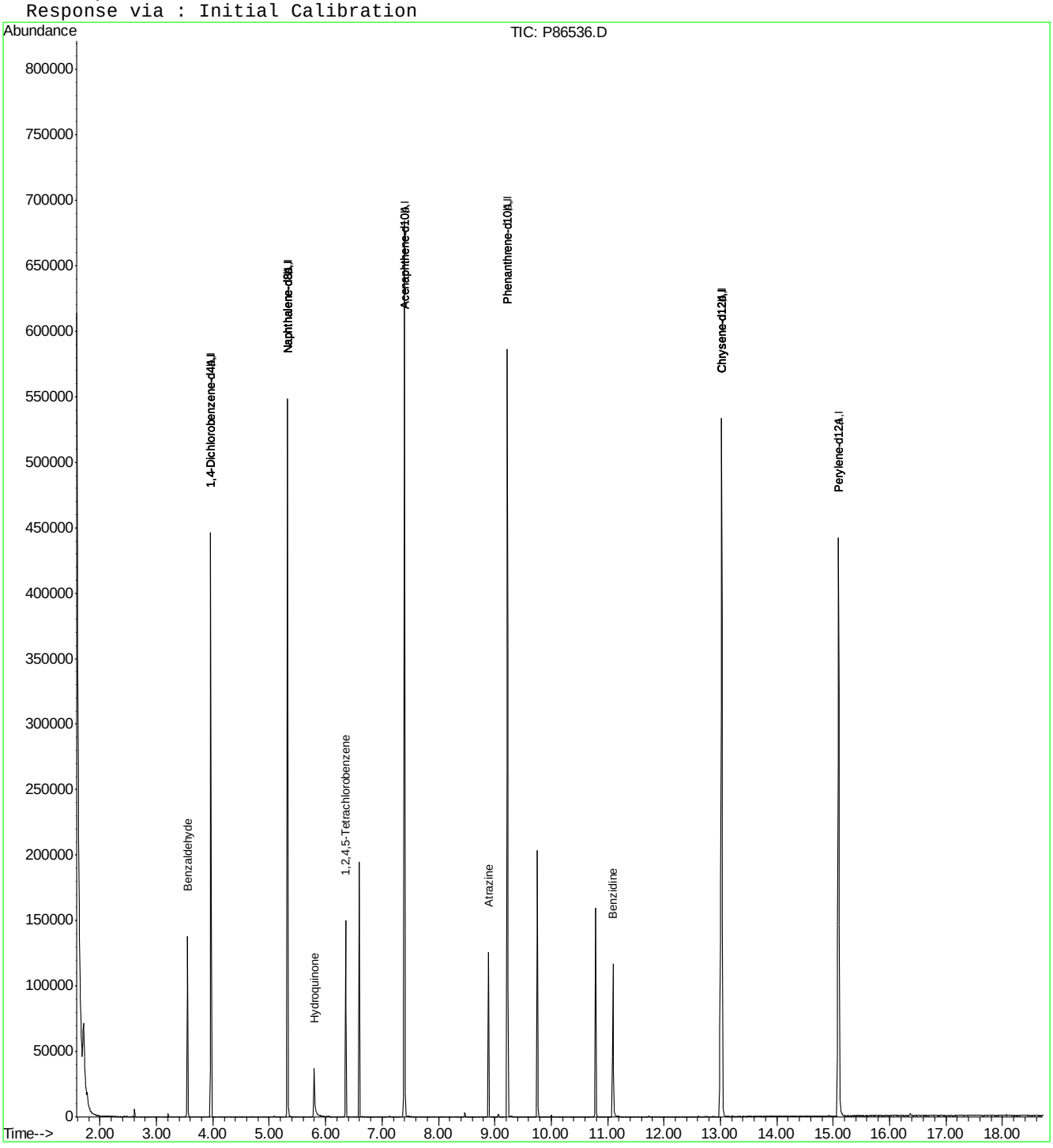
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86536.D Vial: 14
Acq On : 20 Jun 2014 9:33 pm Operator: saraw
Sample : ic3685-10 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:32 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 19:09

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86537.D Vial: 15
Acq On : 20 Jun 2014 10:01 pm Operator: saraw
Sample : ic3685-5 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:32:52 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

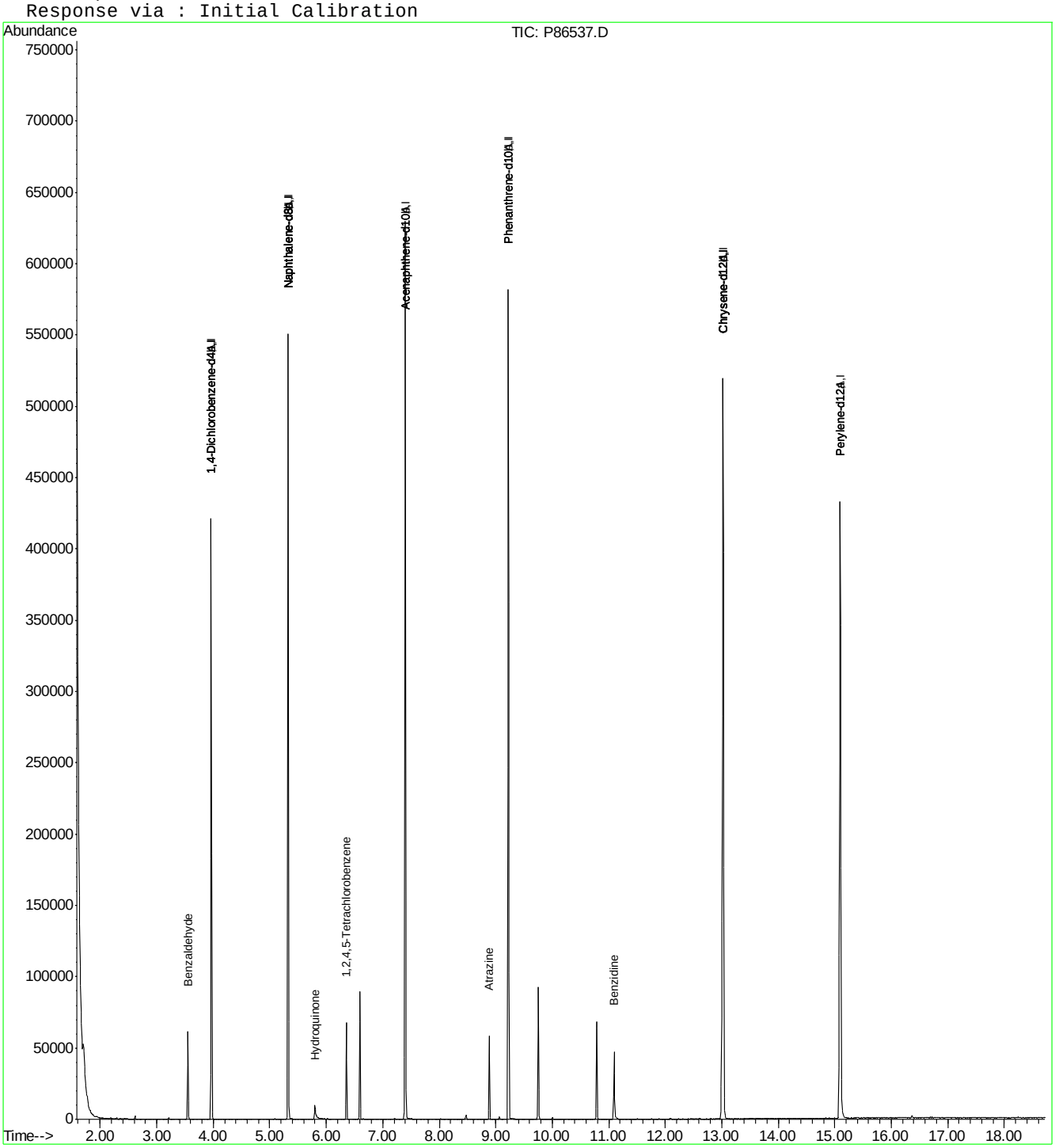
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	72189	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	261081	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	146511	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	242225	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	245620	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	216193	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	72189	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	261081	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	146511	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	242225	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	245620	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	216193	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	72189	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	242225	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	245620	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	261081	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	146511	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	261081	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	72189	40.00	ppb	-0.02
174) Chrysene-d12c	13.02	240	245620	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	245620	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	261081	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	261081	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	216193	40.00	ppb	-0.20
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	11944	6.18	ppb	95
160) Atrazine	8.88	200	7297	5.84	ppb	93
162) Benzidine	11.09	184	27250	5.51	ppb	97
164) Hydroquinone	5.79	110	12430m	4.94	ppb	
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	12390	5.33	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86537.D Vial: 15
Acq On : 20 Jun 2014 10:01 pm Operator: saraw
Sample : ic3685-5 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:33 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



1300 of 1757
ACCUTEST LABORATORIES
JB69926

Manual Integration Approval Summary

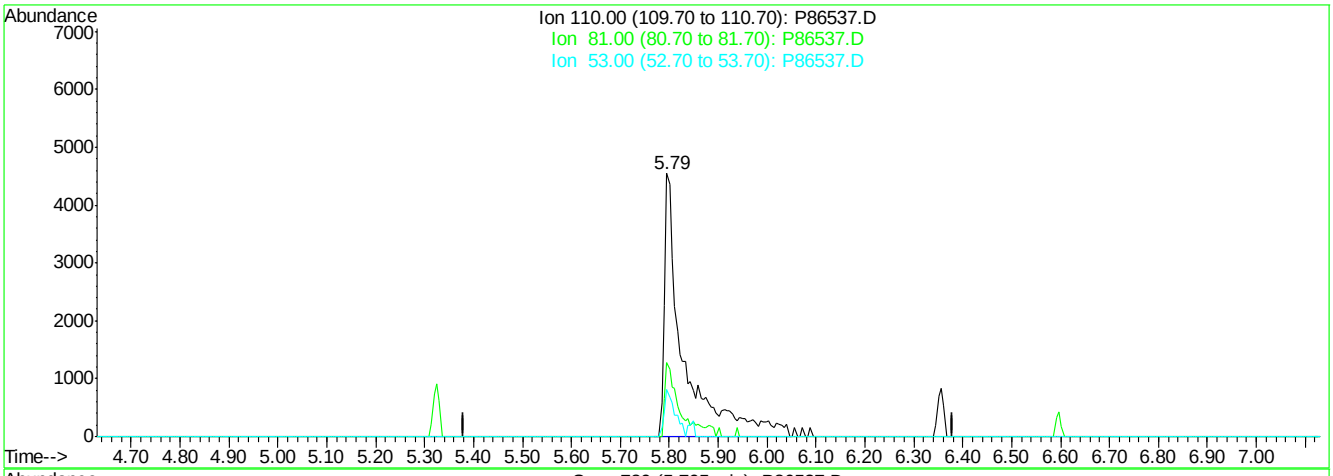
Sample Number:	EP3685-IC3685	**Method:**	SW846 8270D
Lab FileID:	P86537.D	**Analyst approved:**	06/23/14 09:24 Kristi Schollenberger
Injection Time:	06/20/14 22:01	**Supervisor approved:**	06/26/14 19:09 Nina Pandya

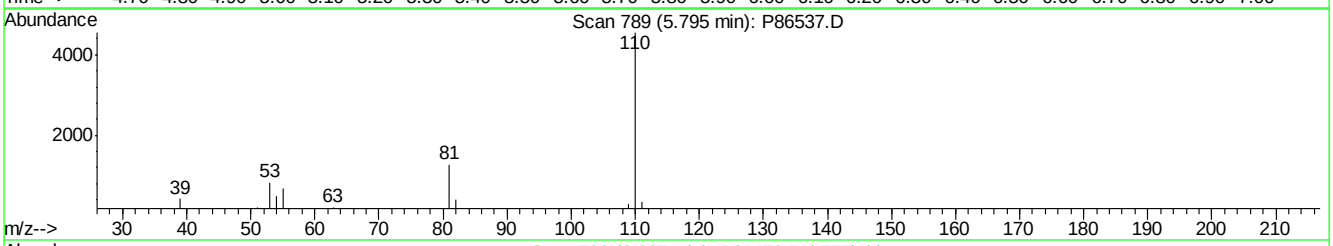
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		5.79	Poor instrument integration

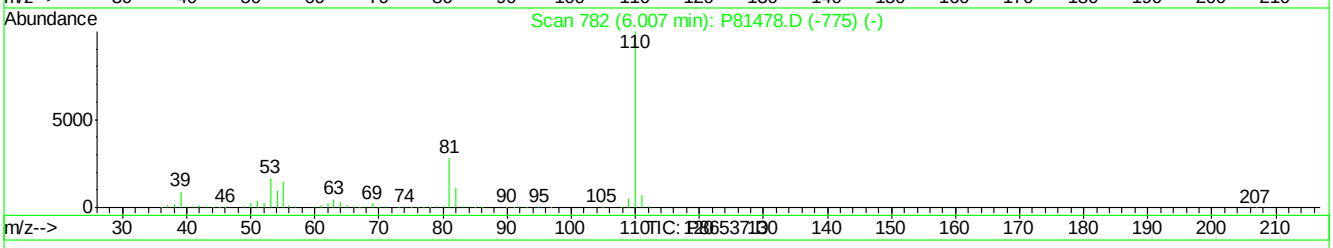
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86537.D Vial: 15
Acq On : 20 Jun 2014 10:01 pm Operator: saraw
Sample : ic3685-5 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:33 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(164) Hydroquinone

5.79min 4.94ppb m

response 12430

Ion	Exp%	Act%
110.00	100	100
81.00	28.60	20.63
53.00	17.60	9.83
0.00	0.00	0.00

P86537.D MP3684.M Thu Jun 26 19:05:57 2014

P86538.D

Manual Integrations APPROVED (compounds with "m" flag)

Nina Pandya 06/26/14 19:09

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86538.D Vial: 16
Acq On : 20 Jun 2014 10:29 pm Operator: saraw
Sample : ic3685-2 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:34:14 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

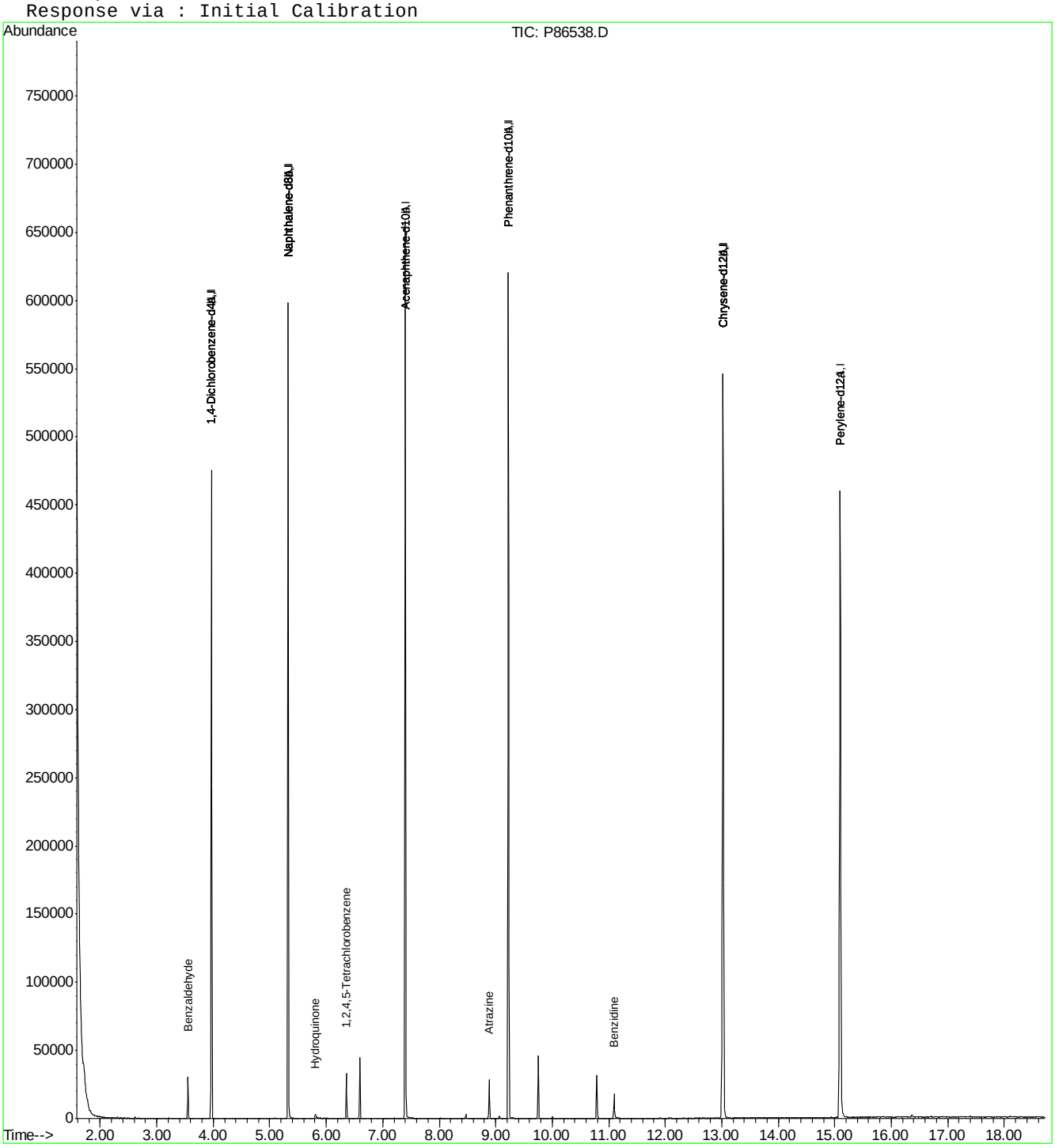
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	76820	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	279880	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	157435	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	258219	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	259768	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	228240	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	76820	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	279880	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	157435	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	258219	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	259768	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	228240	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	76820	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	258219	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	259768	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	279880	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	157435	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	279880	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	76820	40.00	ppb	-0.02
174) Chrysene-d12c	13.02	240	259768	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	259768	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	279880	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	279880	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	228240	40.00	ppb	-0.20
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	5895	2.87	ppb	99
160) Atrazine	8.88	200	3550	2.66	ppb	92
162) Benzidine	11.09	184	12815	2.45	ppb	95
164) Hydroquinone	5.81	110	5741m	2.13	ppb	
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	6415	2.57	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86538.D Vial: 16
Acq On : 20 Jun 2014 10:29 pm Operator: saraw
Sample : ic3685-2 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:34 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

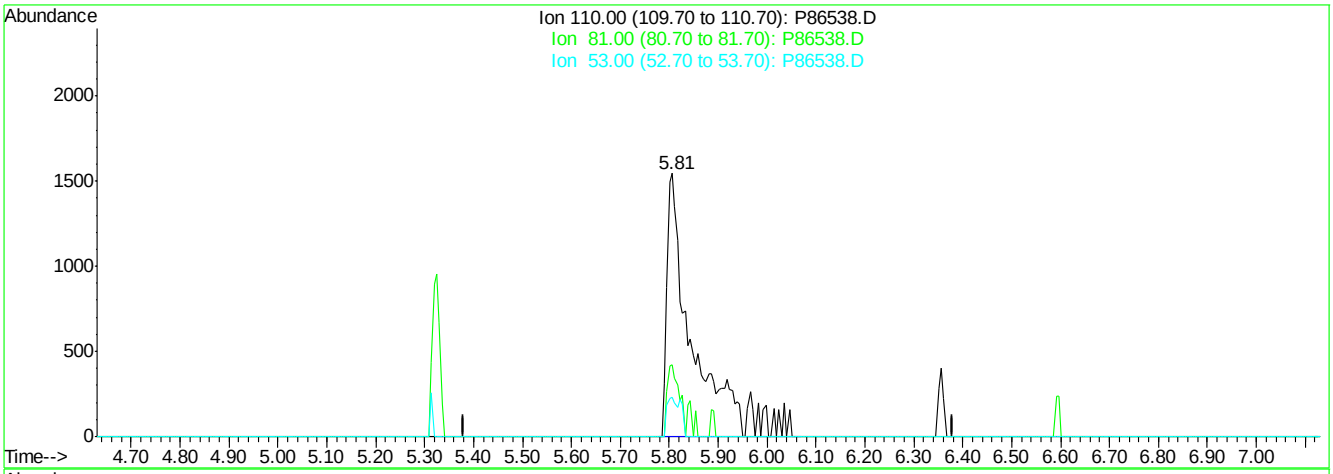
Sample Number:	EP3685-IC3685	**Method:**	SW846 8270D
Lab FileID:	P86538.D	**Analyst approved:**	06/23/14 09:24 Kristi Schollenberger
Injection Time:	06/20/14 22:29	**Supervisor approved:**	06/26/14 19:09 Nina Pandya

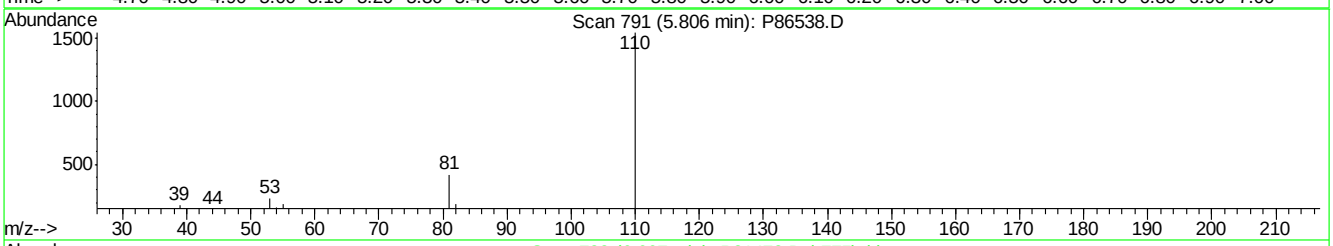
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hydroquinone	123-31-9		5.81	Poor instrument integration

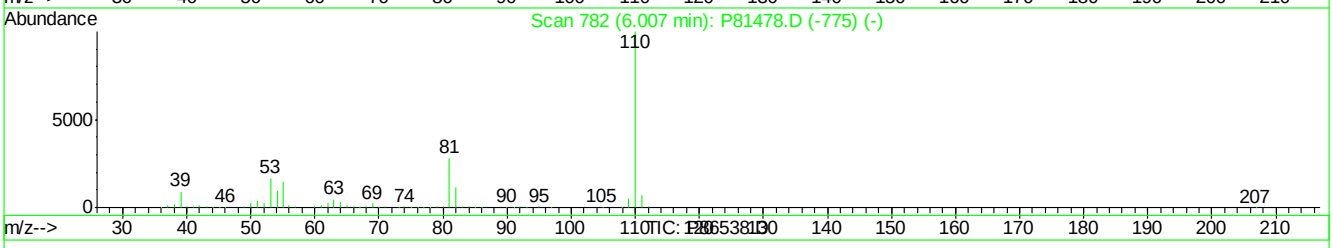
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86538.D Vial: 16
Acq On : 20 Jun 2014 10:29 pm Operator: saraw
Sample : ic3685-2 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:34 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(164) Hydroquinone

5.81min 2.13ppb m

response 5741

Ion	Exp%	Act%
110.00	100	100
81.00	28.60	0.00
53.00	17.60	0.00
0.00	0.00	0.00

P86538.D MP3684.M Thu Jun 26 19:08:06 2014

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86539.D Vial: 17
Acq On : 20 Jun 2014 10:58 pm Operator: saraw
Sample : ic3685-1 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:34:55 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:29:37 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	74275	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	267520	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	150896	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	248527	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	248463	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	216445	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	74275	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	267520	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	150896	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	248527	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	248463	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	216445	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	74275	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	248527	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	248463	40.00	ppb	-0.01
163) Naphthalene-d8b	5.32	136	267520	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	150896	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	267520	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	74275	40.00	ppb	-0.02
174) Chrysene-d12c	13.02	240	248463	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	248463	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	267520	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	267520	40.00	ppb	-0.08
182) Perylene-d12a	15.10	264	216445	40.00	ppb	-0.20
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	2671	1.34	ppb	# 88
160) Atrazine	8.88	200	1438	1.12	ppb	# 35
162) Benzidine	11.09	184	5031	1.01	ppb	# 66
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	2901	1.21	ppb	97

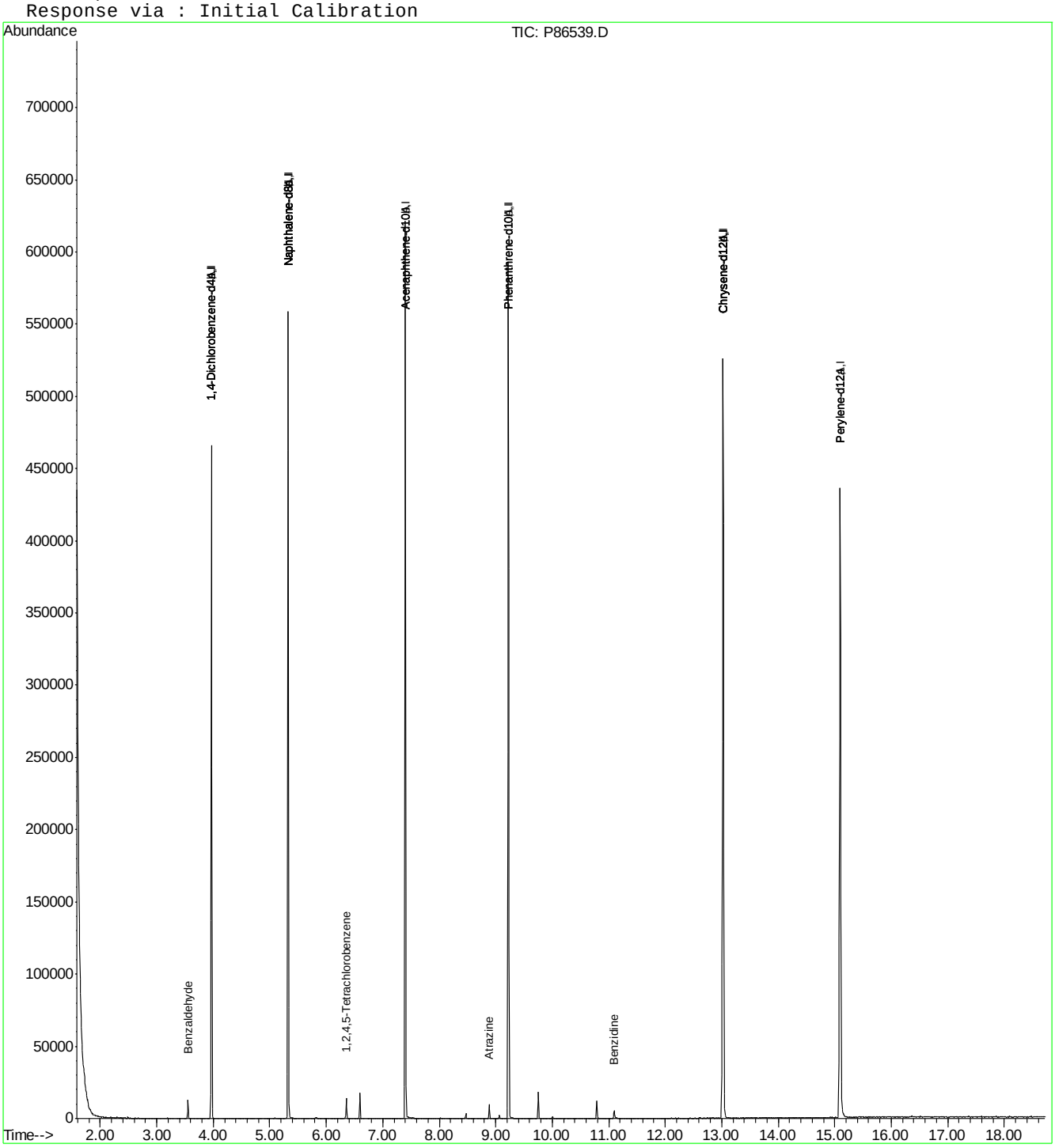
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86539.D Vial: 17
Acq On : 20 Jun 2014 10:58 pm Operator: saraw
Sample : ic3685-1 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:35 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86540.D Vial: 18
Acq On : 20 Jun 2014 11:27 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:47:18 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	95628	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	354495	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	223483	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	356548	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	323504	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	287488	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	95628	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	354495	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	223483	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	356548	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	323504	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	287488	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	95628	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	356548	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	323504	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	354495	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	223483	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	354495	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	95628	40.00	ppb	-0.02
174) Chrysene-d12c	13.02	240	323504	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	323504	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	354495	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	354495	40.00	ppb	0.02
182) Perylene-d12a	15.10	264	287488	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	0d	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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
9) Phenol	3.60	94	219179	48.15	ppb	99
12) 2-Chlorophenol	3.76	128	161825	46.84	ppb	99
19) 2-Methylphenol	4.20	108	150868	45.85	ppb	99
21) 3&4-Methylphenol	4.36	108	156969	47.70	ppb	99
29) 2-Nitrophenol	4.90	139	89929	49.38	ppb	97
30) 2,4-Dimethylphenol	4.94	107	142965	46.48	ppb	96
31) Benzoic acid	5.08	105	112772	47.41	ppb	97
33) 2,4-Dichlorophenol	5.16	162	128625	46.19	ppb	99
34) 2,6-Dichlorophenol	5.42	162	126878	48.26	ppb	99
43) 4-Chloro-3-methylphenol	5.98	107	130961	47.27	ppb	98

(#) = qualifier out of range (m) = manual integration
P86540.D MP3684.M Wed Jun 25 12:51:47 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86540.D Vial: 18
Acq On : 20 Jun 2014 11:27 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:47:18 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

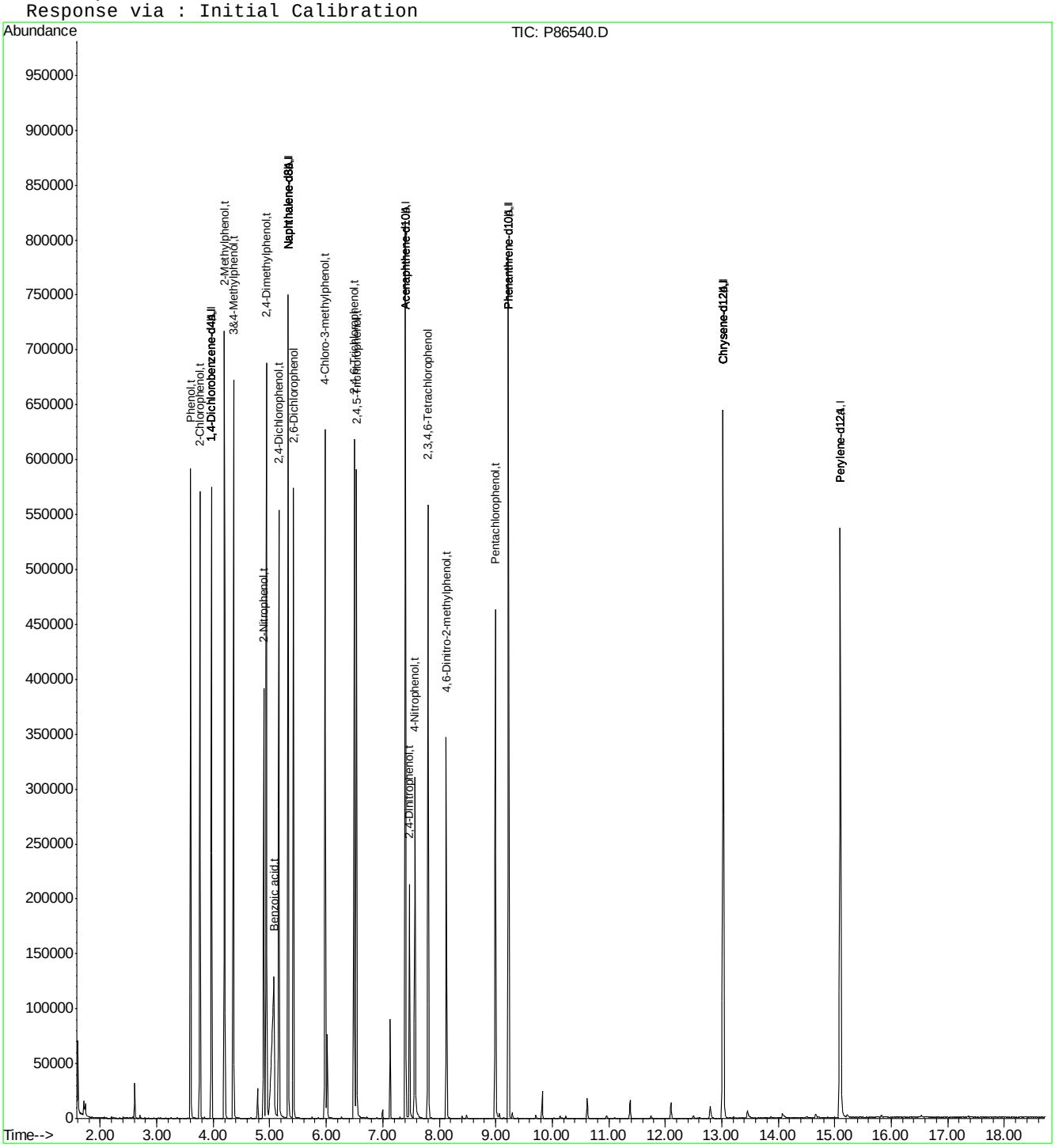
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	2,4,6-Trichlorophenol	6.49	196	91069	47.68	ppb		99
50)	2,4,5-Trichlorophenol	6.53	196	93282	43.36	ppb		98
60)	2,4-Dinitrophenol	7.47	184	32968	41.72	ppb	#	77
61)	4-Nitrophenol	7.57	109	39074	48.86	ppb		97
64)	2,3,4,6-Tetrachlorophenol	7.80	232	75547	45.62	ppb		99
70)	4,6-Dinitro-2-methylphenol	8.13	198	54267	44.18	ppb		99
76)	Pentachlorophenol	8.99	266	59698	53.36	ppb		97

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86540.D Vial: 18
Acq On : 20 Jun 2014 11:27 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:48 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
06/26/14 19:09

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:53:54 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	88592	40.00	ppb		0.00
24) Naphthalene-d8	5.32	136	319027	40.00	ppb		0.00
47) Acenaphthene-d10	7.40	164	178741	40.00	ppb		0.00
69) Phenanthrene-d10	9.22	188	298244	40.00	ppb		0.00
83) Chrysene-d12	13.03	240	251783	40.00	ppb		0.00
92) Perylene-d12	15.10	264	242985	40.00	ppb		0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	88592	40.00	ppb		0.00
112) Naphthalene-d8A	5.32	136	319027	40.00	ppb		0.00
120) Acenaphthene-d10A	7.40	164	178741	40.00	ppb		0.00
131) Phenanthrene-d10A	9.22	188	298244	40.00	ppb		0.00
146) Chrysene-d12A	13.03	240	251783	40.00	ppb		0.00
154) Perylene-d12A	15.10	264	242985	40.00	ppb		0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	88592	40.00	ppb		0.00
159) Phenanthrene-d10b	9.22	188	298244	40.00	ppb		0.00
161) Chrysene-d12b	13.03	240	251783	40.00	ppb		0.01
163) Naphthalene-d8b	5.32	136	319027	40.00	ppb		0.00
165) Acenaphthene-d10b	7.40	164	178741	40.00	ppb		0.00
167) Naphthalene-d8c	5.32	136	319027	40.00	ppb		0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	88592	40.00	ppb		-0.02
174) Chrysene-d12c	13.03	240	251783	40.00	ppb		0.00
176) Chrysene-d12d	13.03	240	251783	40.00	ppb		0.00
178) Naphthalene-d8a	5.32	136	319027	40.00	ppb		0.02
180) Naphthalene-d8b	5.32	136	319027	40.00	ppb		0.02
182) Perylene-d12a	15.10	264	242985	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	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%			
85) Terphenyl-d14	0.00	244	0	0.00	ppb		
Spiked Amount 50.000			Recovery =	0.00%			
Target Compounds							Qvalue
3) Pyridine	2.06	79	168364	43.92	ppb		100
4) N-Nitrosodimethylamine	2.02	42	59745	46.26	ppb		93
11) bis(2-Chloroethyl)ether	3.69	93	154189	49.10	ppb		97
14) 1,3-Dichlorobenzene	3.91	146	165657	45.85	ppb		99
15) 1,4-Dichlorobenzene	3.98	146	154170	43.81	ppb		99
16) Benzyl alcohol	4.09	108	103612	48.21	ppb		98
17) 1,2-Dichlorobenzene	4.14	146	151804	45.72	ppb		99
20) 2,2'-oxybis(1-Chloropropan	4.23	121	49160	51.83	ppb	#	94
22) n-Nitroso-di-n-propylamine	4.36	70	99515	50.67	ppb		97
23) Hexachloroethane	4.49	201	59988	47.38	ppb		93

(#) = qualifier out of range (m) = manual integration
P86541.D MP3684.M Wed Jun 25 12:52:02 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:53:54 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

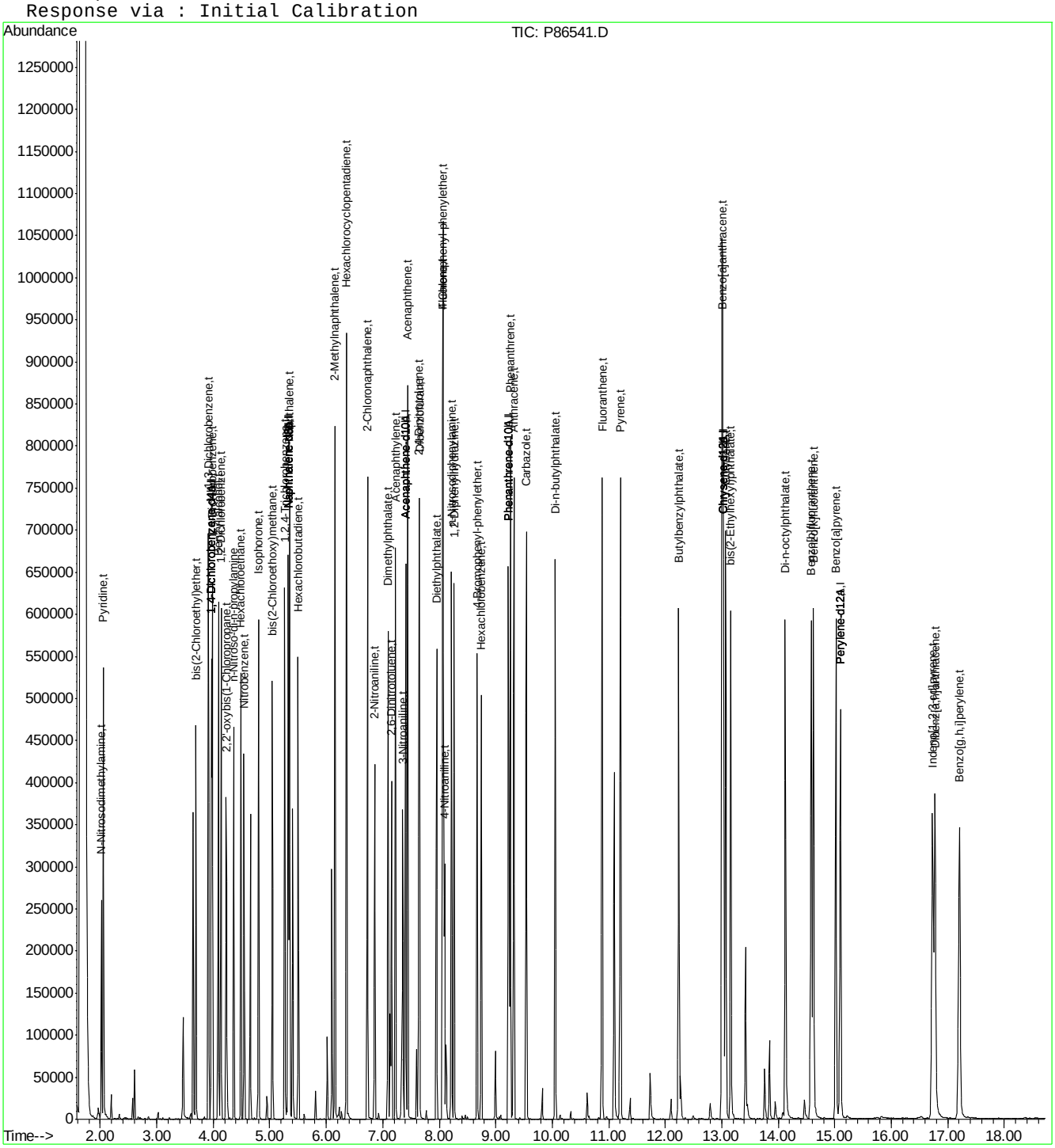
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26)	Nitrobenzene	4.54	77	145532	46.28	ppb	97
28)	Isophorone	4.80	82	254425	44.27	ppb	99
32)	bis(2-Chloroethoxy)methane	5.05	93	172953	50.37	ppb	100
36)	1,2,4-Trichlorobenzene	5.26	180	131393	46.12	ppb	99
38)	Naphthalene	5.35	128	368209	43.07	ppb	99
42)	Hexachlorobutadiene	5.51	225	69364	47.83	ppb	99
44)	2-Methylnaphthalene	6.15	141	216977	43.89	ppb	98
48)	Hexachlorocyclopentadiene	6.36	237	57991	43.69	ppb	99
52)	2-Chloronaphthalene	6.73	162	241440	48.53	ppb	98
54)	2-Nitroaniline	6.86	65	70724	51.22	ppb	98
55)	Dimethylphthalate	7.09	163	266211	48.05	ppb	100
56)	Acenaphthylene	7.23	152	318511	40.07	ppb	100
57)	2,6-Dinitrotoluene	7.16	165	60100	48.89	ppb	99
58)	3-Nitroaniline	7.35	138	70358	45.69	ppb	99
59)	Acenaphthene	7.44	153	229270	46.06	ppb	95
62)	Dibenzofuran	7.65	168	313601	45.64	ppb	99
63)	2,4-Dinitrotoluene	7.64	165	75639	47.75	ppb	96
65)	Diethylphthalate	7.95	149	247637	47.82	ppb	98
66)	Fluorene	8.07	166	250594	45.69	ppb	100
67)	4-Chlorophenyl-phenylether	8.07	204	117291	44.70	ppb	95
68)	4-Nitroaniline	8.10	138	73665	48.23	ppb	98
71)	n-Nitrosodiphenylamine	8.21	169	187549	47.13	ppb	98
72)	1,2-Diphenylhydrazine	8.26	77	248418	43.12	ppb	98
74)	4-Bromophenyl-phenylether	8.67	248	76594	47.79	ppb	96
75)	Hexachlorobenzene	8.74	284	72797	44.70	ppb	94
77)	Phenanthrene	9.26	178	359746	42.77	ppb	100
78)	Anthracene	9.32	178	368884	43.39	ppb	99
79)	Carbazole	9.54	167	360290	44.28	ppb	99
80)	Di-n-butylphthalate	10.05	149	407965	44.95	ppb	100
81)	Fluoranthene	10.89	202	413168	43.89	ppb	98
84)	Pyrene	11.21	202	418171	48.59	ppb	98
86)	Butylbenzylphthalate	12.24	149	184476	52.20	ppb	98
88)	Benzo[a]anthracene	13.02	228	316478	43.59	ppb	100
90)	Chrysene	13.07	228	330539	48.38	ppb	100
91)	bis(2-Ethylhexyl)phthalate	13.16	149	232509	50.97	ppb	99
93)	Di-n-octylphthalate	14.12	149	424514	51.98	ppb	100
94)	Benzo[b]fluoranthene	14.58	252	332992	46.08	ppb	97
95)	Benzo[k]fluoranthene	14.62	252	336036	46.62	ppb	98
96)	Benzo[a]pyrene	15.02	252	318262	47.74	ppb	99
97)	Indeno[1,2,3-cd]pyrene	16.73	276	359101m	47.30	ppb	
99)	Dibenz[a,h]anthracene	16.77	278	294994	47.56	ppb	99
101)	Benzo[g,h,i]perylene	17.21	276	305623	47.89	ppb	98

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:58 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



Manual Integration Approval Summary

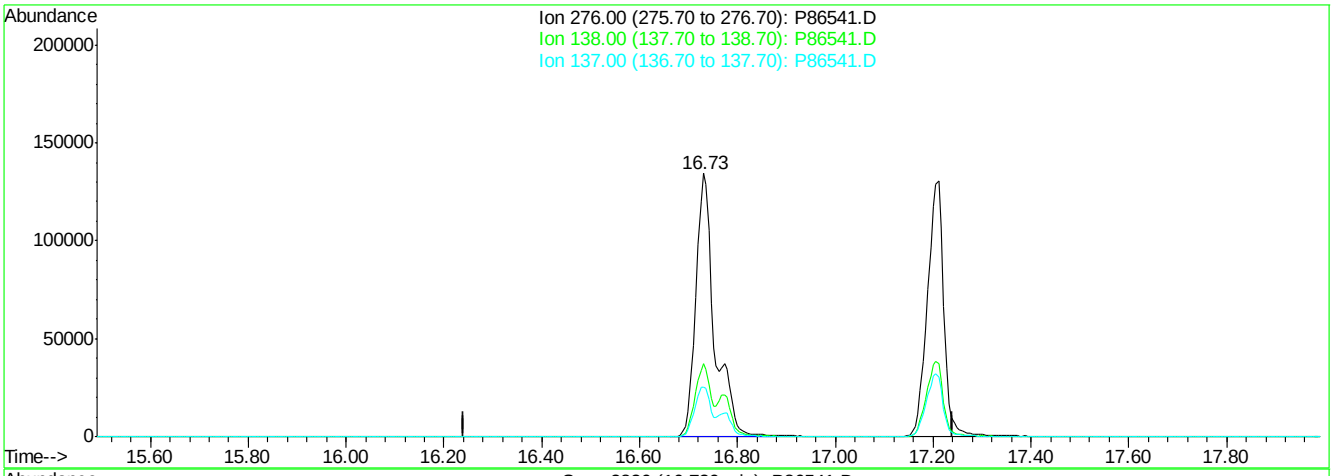
Sample Number:	EP3685-ICV3684	**Method:**	SW846 8270D
Lab FileID:	P86541.D	**Analyst approved:**	06/23/14 09:24 Kristi Schollenberger
Injection Time:	06/20/14 23:54	**Supervisor approved:**	06/26/14 19:09 Nina Pandya

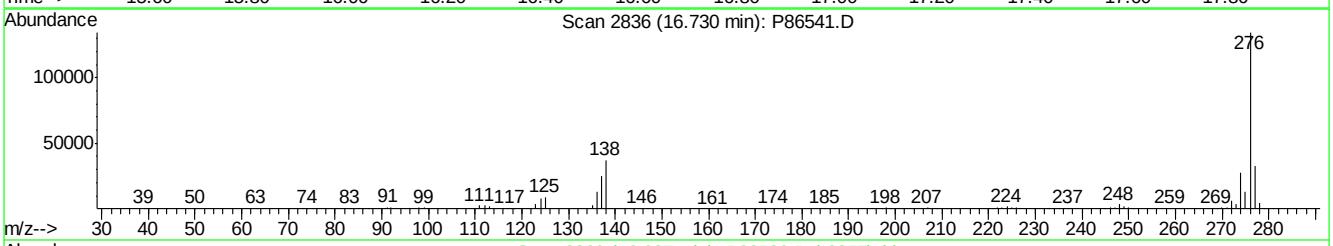
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.73	Split peak

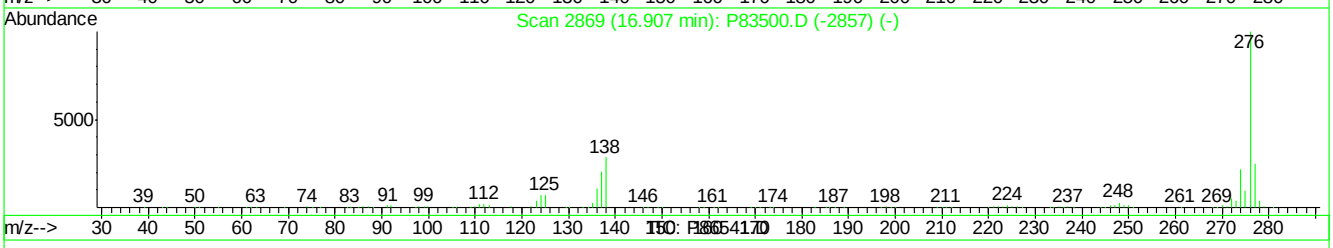
Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:58 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Multiple Level Calibration







(97) Indeno[1,2,3-cd]pyrene (t)

16.73min 47.30ppb m

response 359101

Ion	Exp%	Act%
276.00	100	100
138.00	28.80	27.58
137.00	20.60	18.57
0.00	0.00	0.00

P86541.D MP3684.M Thu Jun 26 15:26:08 2014

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541A.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:53:54 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	88592	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	319027	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	178741	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	298244	40.00	ppb	0.00
83) Chrysene-d12	13.03	240	251783	40.00	ppb	0.00
92) Perylene-d12	15.10	264	242985	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	88592	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	319027	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	178741	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	298244	40.00	ppb	0.00
146) Chrysene-d12A	13.03	240	251783	40.00	ppb	0.00
154) Perylene-d12A	15.10	264	242985	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	88592	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	298244	40.00	ppb	0.00
161) Chrysene-d12b	13.03	240	251783	40.00	ppb	0.01
163) Naphthalene-d8b	5.32	136	319027	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	178741	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	319027	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	88592	40.00	ppb	-0.02
174) Chrysene-d12c	13.03	240	251783	40.00	ppb	0.00
176) Chrysene-d12d	13.03	240	251783	40.00	ppb	0.00
178) Naphthalene-d8a	5.32	136	319027	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	319027	40.00	ppb	0.02
182) Perylene-d12a	15.10	264	242985	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	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%			
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

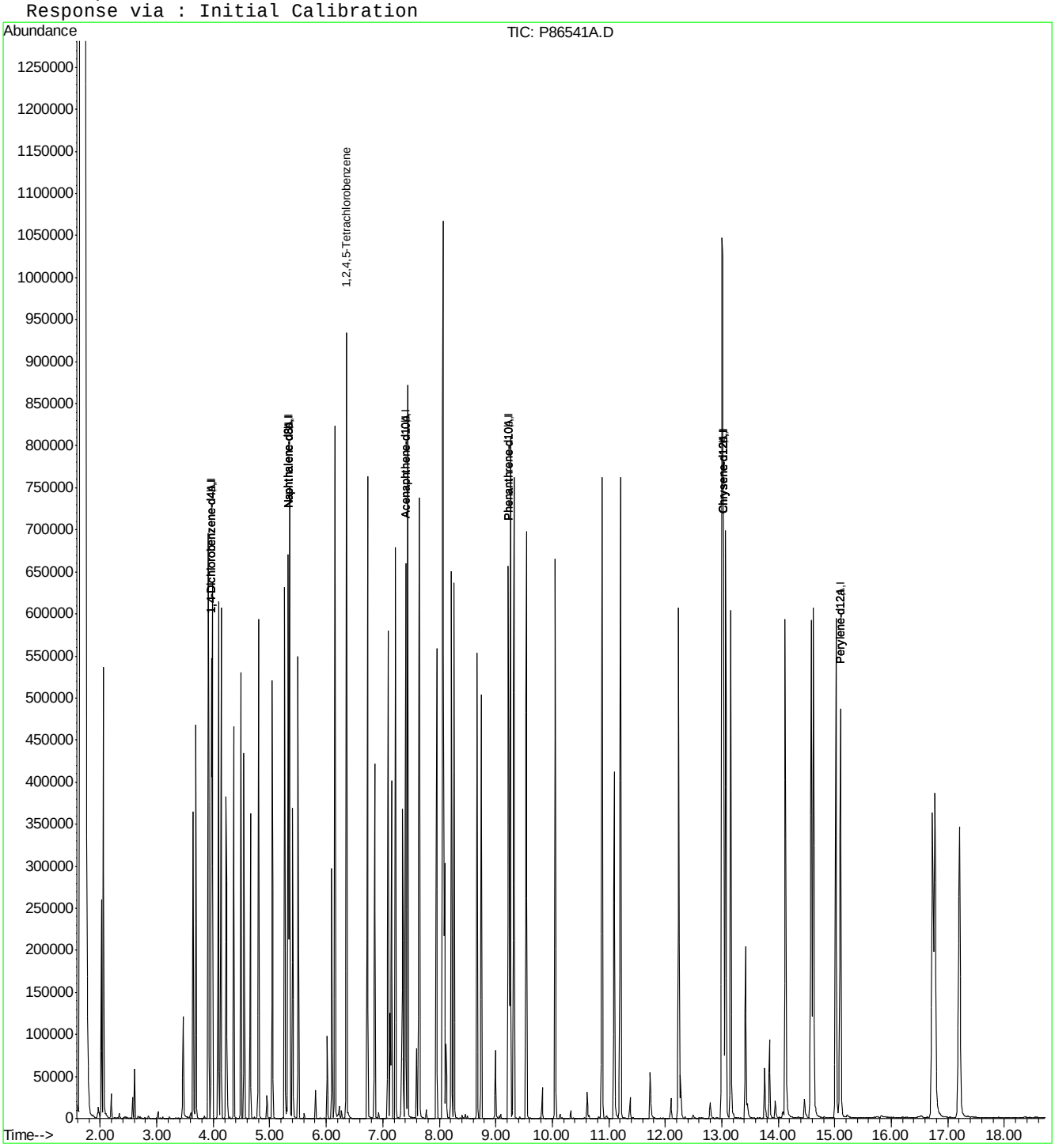
Target Compounds						Qvalue
166) 1,2,4,5-Tetrachlorobenzene	6.36	216	129013	41.36	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
P86541A.D MP3684.M Wed Jun 25 12:52:30 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86541A.D Vial: 19
Acq On : 20 Jun 2014 11:54 pm Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:59 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86542.D Vial: 20
Acq On : 21 Jun 2014 12:21 am Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:56:06 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	78006	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	287948	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	166655	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	253382	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	256288	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	218700	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	78006	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	287948	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	166655	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	253382	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	256288	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	218700	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	78006	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	253382	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	256288	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	287948	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	166655	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	287948	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	78006	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	256288	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	256288	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	287948	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	287948	40.00	ppb	0.02
182) Perylene-d12a	15.10	264	218700	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	0d	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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	1.88	88	61173	45.69	ppb	99
6) Indene	4.22	116	225158	49.81	ppb	100
7) Cumene	3.25	105	301020	43.89	ppb	100
13) Decane	3.80	43	112943	42.45	ppb	99
18) Acetophenone	4.36	105	177181	48.70	ppb	94
27) Quinoline	5.73	129	249769	44.86	ppb	100
40) 2,3-Dichloroaniline	6.49	161	118223	43.09	ppb	99
41) Caprolactam	5.78	55	50165	42.54	ppb	96
45) 1-Methylnaphthalene	6.27	142	231794	44.26	ppb	100
46) Dimethylnaphthalene	6.90	156	210267	44.67	ppb	100

(#) = qualifier out of range (m) = manual integration
P86542.D MP3684.M Wed Jun 25 12:53:02 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86542.D Vial: 20
Acq On : 21 Jun 2014 12:21 am Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:56:06 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

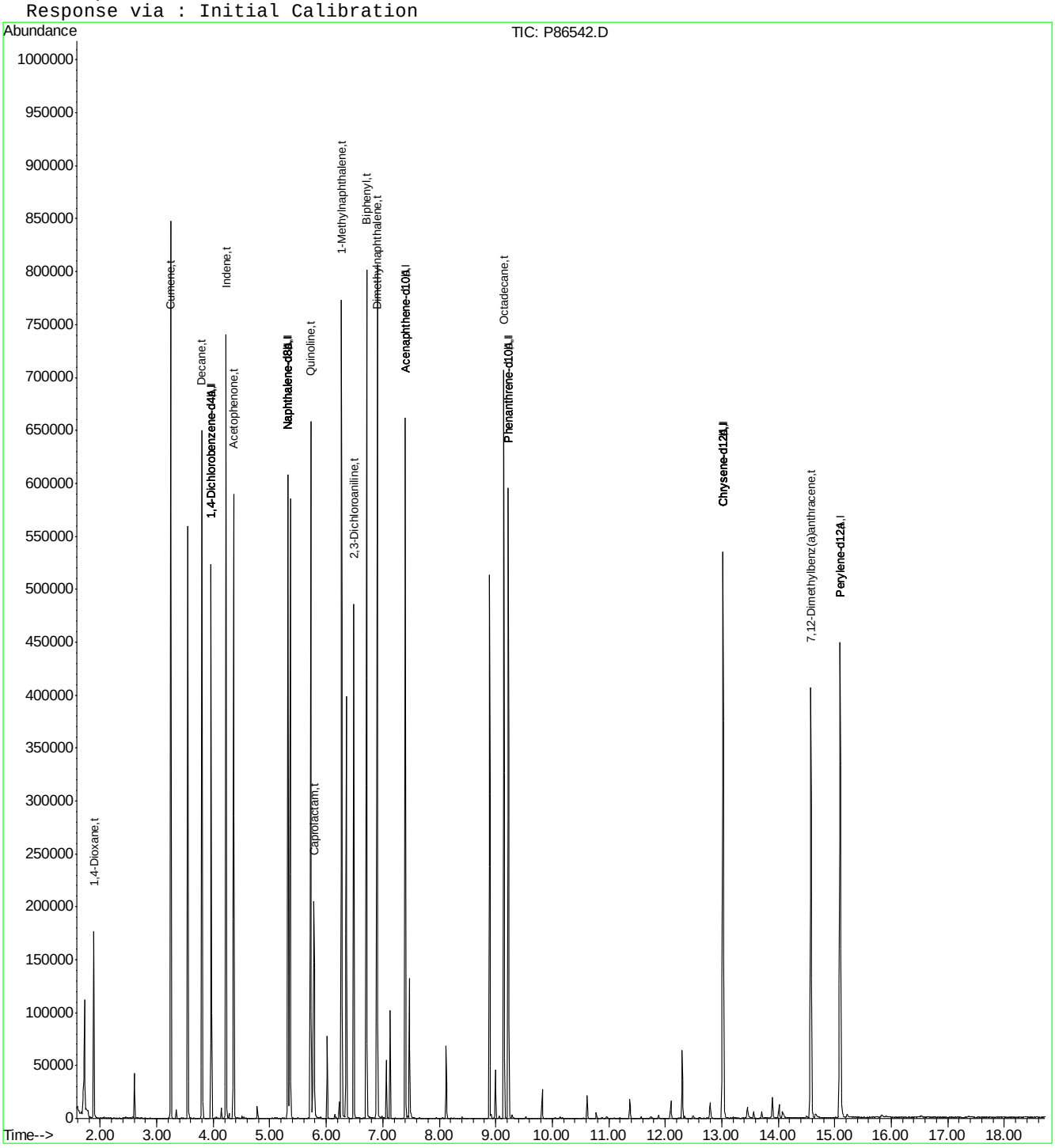
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
53)	Biphenyl	6.71	154	286863	45.56	ppb	99
82)	Octadecane	9.14	57	145635	47.52	ppb	100
100)	7,12-Dimethylbenz(a)anthra	14.58	256	108671	36.41	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86542.D Vial: 20
Acq On : 21 Jun 2014 12:21 am Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:59 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



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Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86542A.D Vial: 20
Acq On : 21 Jun 2014 12:21 am Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 08:56:06 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	78006	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	287948	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	166655	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	253382	40.00	ppb	0.00
83) Chrysene-d12	13.02	240	256288	40.00	ppb	-0.01
92) Perylene-d12	15.10	264	218700	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	78006	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	287948	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	166655	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	253382	40.00	ppb	0.00
146) Chrysene-d12A	13.02	240	256288	40.00	ppb	-0.01
154) Perylene-d12A	15.10	264	218700	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	78006	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	253382	40.00	ppb	0.00
161) Chrysene-d12b	13.02	240	256288	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	287948	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	166655	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	287948	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	78006	40.00	ppb	-0.03
174) Chrysene-d12c	13.02	240	256288	40.00	ppb	-0.01
176) Chrysene-d12d	13.02	240	256288	40.00	ppb	-0.01
178) Naphthalene-d8a	5.32	136	287948	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	287948	40.00	ppb	0.02
182) Perylene-d12a	15.10	264	218700	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	0d	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%			
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

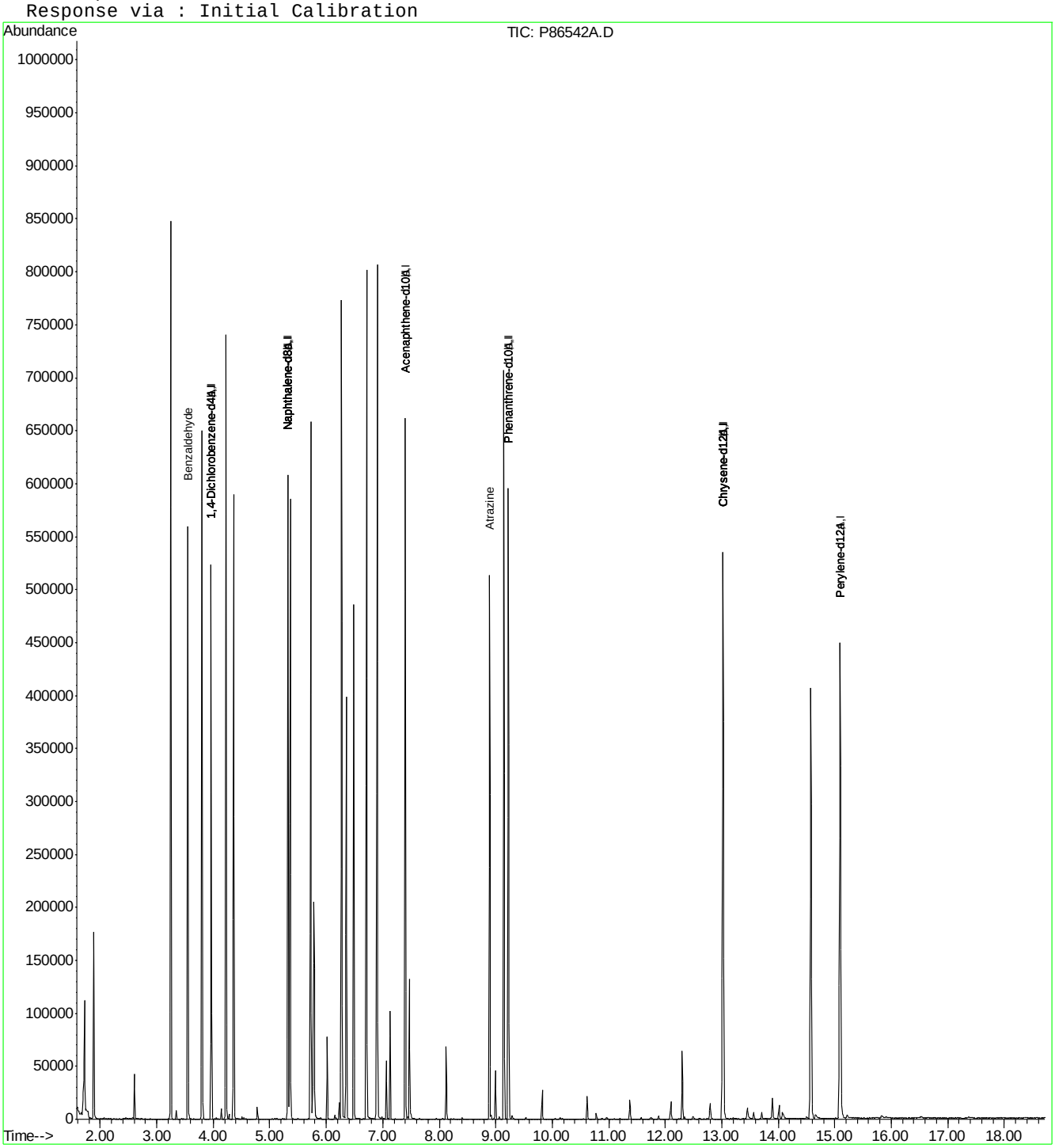
Target Compounds						Qvalue
158) Benzaldehyde	3.55	105	115966	46.07	ppb	99
160) Atrazine	8.89	200	71605	48.05	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
P86542A.D MP3684.M Wed Jun 25 12:53:08 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86542A.D Vial: 20
Acq On : 21 Jun 2014 12:21 am Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 8:59 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86545.D Vial: 23
Acq On : 21 Jun 2014 1:40 am Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 09:00:10 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	121994	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	432150	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	253782	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	410765	40.00	ppb	0.00
83) Chrysene-d12	13.03	240	398934	40.00	ppb	0.00
92) Perylene-d12	15.10	264	398546	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	121994	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	432150	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	253782	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	410765	40.00	ppb	0.00
146) Chrysene-d12A	13.03	240	398934	40.00	ppb	0.00
154) Perylene-d12A	15.10	264	398546	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	121994	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	410765	40.00	ppb	0.00
161) Chrysene-d12b	13.03	240	398934	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	432150	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	253782	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	432150	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	121994	40.00	ppb	-0.02
174) Chrysene-d12c	13.03	240	398934	40.00	ppb	0.00
176) Chrysene-d12d	13.03	240	398934	40.00	ppb	0.00
178) Naphthalene-d8a	5.32	136	432150	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	432150	40.00	ppb	0.02
182) Perylene-d12a	15.10	264	398546	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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		

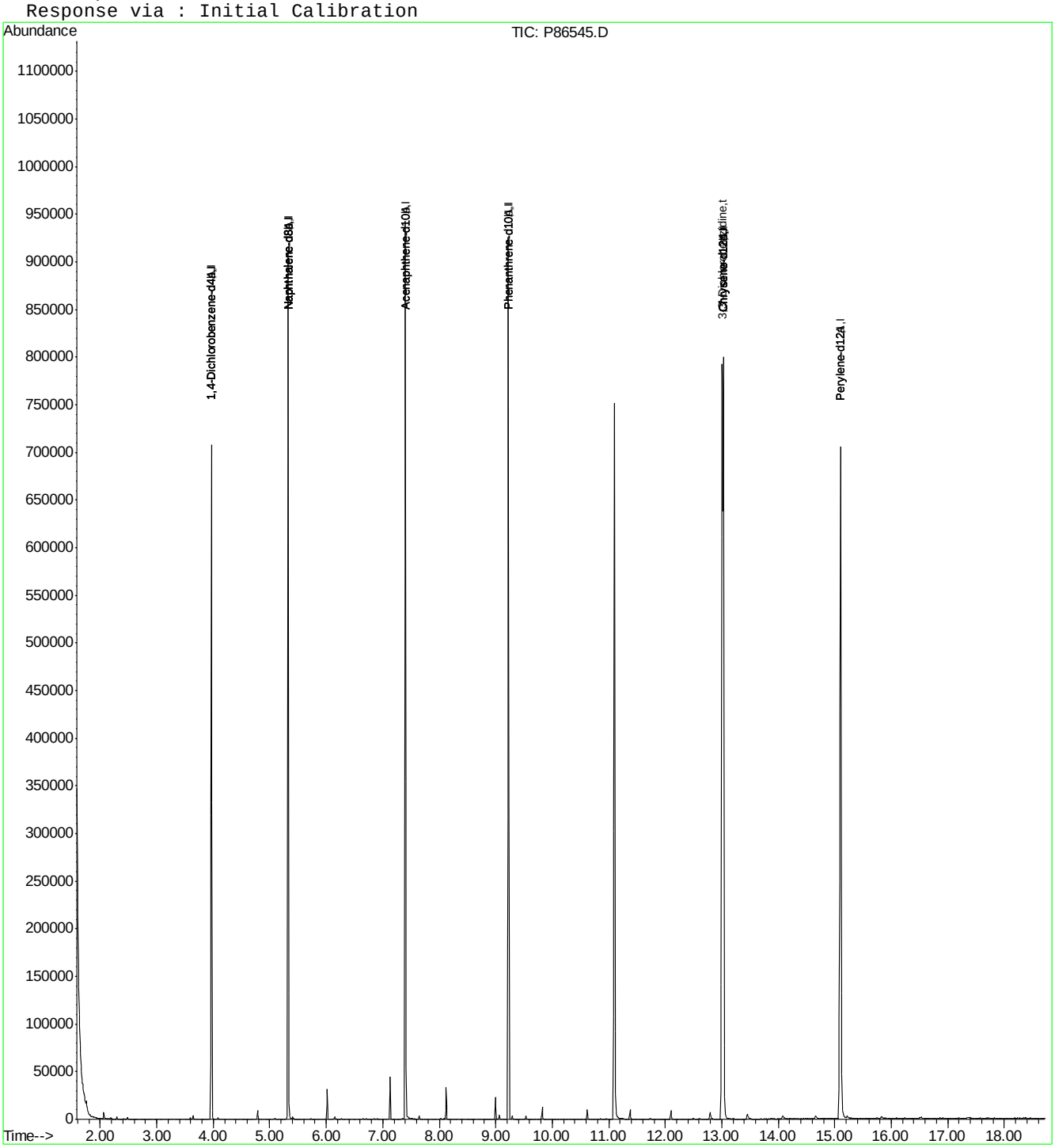
Target Compounds						Qvalue
89) 3,3'-Dichlorobenzidine	13.01	252	202239	47.88	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
P86545.D MP3684.M Wed Jun 25 12:53:24 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86545.D Vial: 23
Acq On : 21 Jun 2014 1:40 am Operator: saraw
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 9:01 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86545A.D Vial: 23
Acq On : 21 Jun 2014 1:40 am Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 09:00:10 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.97	152	121994	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	432150	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	253782	40.00	ppb	0.00
69) Phenanthrene-d10	9.22	188	410765	40.00	ppb	0.00
83) Chrysene-d12	13.03	240	398934	40.00	ppb	0.00
92) Perylene-d12	15.10	264	398546	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.97	152	121994	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	432150	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	253782	40.00	ppb	0.00
131) Phenanthrene-d10A	9.22	188	410765	40.00	ppb	0.00
146) Chrysene-d12A	13.03	240	398934	40.00	ppb	0.00
154) Perylene-d12A	15.10	264	398546	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.97	152	121994	40.00	ppb	0.00
159) Phenanthrene-d10b	9.22	188	410765	40.00	ppb	0.00
161) Chrysene-d12b	13.03	240	398934	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	432150	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	253782	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	432150	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.97	152	121994	40.00	ppb	-0.02
174) Chrysene-d12c	13.03	240	398934	40.00	ppb	0.00
176) Chrysene-d12d	13.03	240	398934	40.00	ppb	0.00
178) Naphthalene-d8a	5.32	136	432150	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	432150	40.00	ppb	0.02
182) Perylene-d12a	15.10	264	398546	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%			
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery = 0.00%			

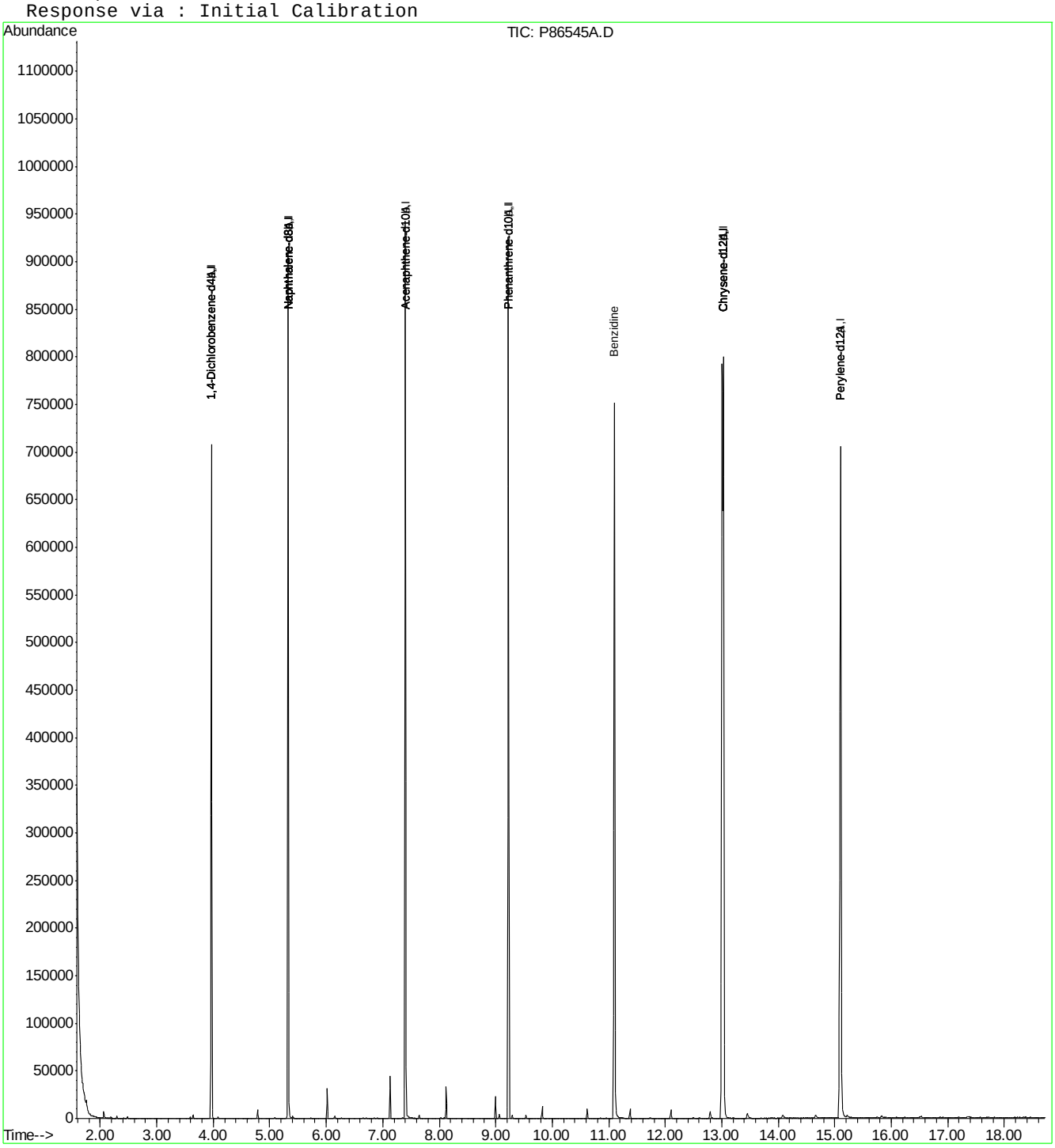
Target Compounds						Qvalue
162) Benzidine	11.10	184	419857	46.98	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3684\P86545A.D Vial: 23
Acq On : 21 Jun 2014 1:40 am Operator: saraw
Sample : icv3685-50 Inst : MSP
Misc : op75641,ep3685,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 9:02 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



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JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3687\P86575.D Vial: 4
Acq On : 21 Jun 2014 2:58 pm Operator: kristis
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3687,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 21 15:17:30 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sat Jun 21 13:15:25 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

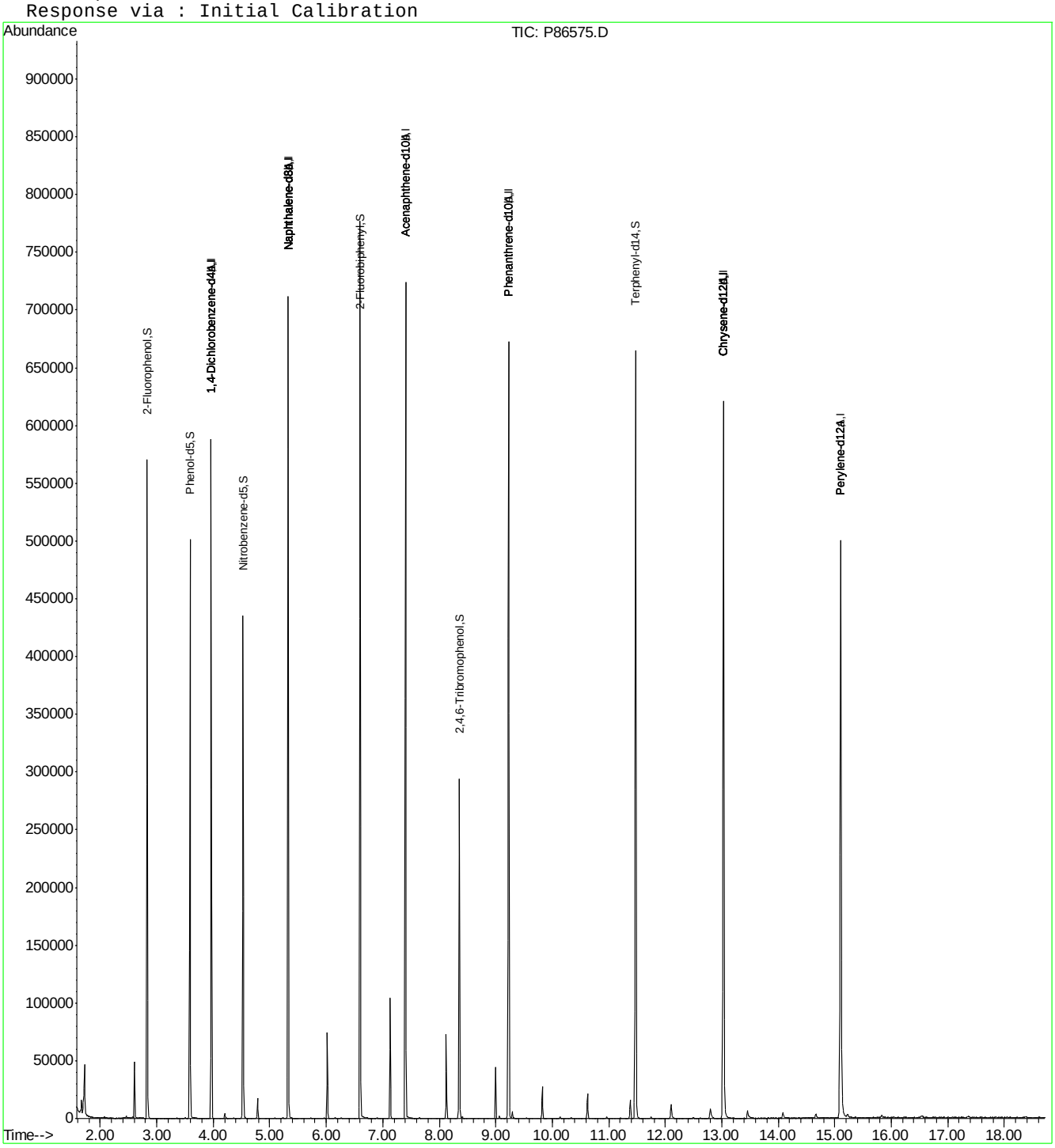
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.96	152	94487	40.00	ppb	0.00
24) Naphthalene-d8	5.32	136	336225	40.00	ppb	0.00
47) Acenaphthene-d10	7.40	164	192840	40.00	ppb	0.00
69) Phenanthrene-d10	9.23	188	308283	40.00	ppb	0.00
83) Chrysene-d12	13.03	240	304291	40.00	ppb	0.00
92) Perylene-d12	15.11	264	275034	40.00	ppb	0.00
102) 1,4-Dichlorobenzene-d4A	3.96	152	94487	40.00	ppb	0.00
112) Naphthalene-d8A	5.32	136	336225	40.00	ppb	0.00
120) Acenaphthene-d10A	7.40	164	192840	40.00	ppb	0.00
131) Phenanthrene-d10A	9.23	188	308283	40.00	ppb	0.00
146) Chrysene-d12A	13.03	240	304291	40.00	ppb	0.00
154) Perylene-d12A	15.11	264	275034	40.00	ppb	0.00
157) 1,4-Dichlorobenzene-d4b	3.96	152	94487	40.00	ppb	0.00
159) Phenanthrene-d10b	9.23	188	308283	40.00	ppb	0.00
161) Chrysene-d12b	13.03	240	304291	40.00	ppb	0.00
163) Naphthalene-d8b	5.32	136	336225	40.00	ppb	0.00
165) Acenaphthene-d10b	7.40	164	192840	40.00	ppb	0.00
167) Naphthalene-d8c	5.32	136	336225	40.00	ppb	0.00
172) 1,4-Dichlorobenzene-d4a	3.96	152	94487	40.00	ppb	-0.03
174) Chrysene-d12c	13.03	240	304291	40.00	ppb	0.00
176) Chrysene-d12d	13.03	240	304291	40.00	ppb	0.00
178) Naphthalene-d8a	5.32	136	336225	40.00	ppb	0.02
180) Naphthalene-d8b	5.32	136	336225	40.00	ppb	-0.08
182) Perylene-d12a	15.11	264	275034	40.00	ppb	-0.19
System Monitoring Compounds						
5) 2-Fluorophenol	2.83	112	155059	43.02	ppb	0.00
Spiked Amount 50.000			Recovery = 86.04%			
8) Phenol-d5	3.59	99	183022	41.73	ppb	0.00
Spiked Amount 50.000			Recovery = 83.46%			
25) Nitrobenzene-d5	4.53	82	148725	46.47	ppb	0.00
Spiked Amount 50.000			Recovery = 92.94%			
51) 2-Fluorobiphenyl	6.60	172	270662	44.75	ppb	0.00
Spiked Amount 50.000			Recovery = 89.50%			
73) 2,4,6-Tribromophenol	8.35	330	32146	45.93	ppb	0.00
Spiked Amount 50.000			Recovery = 91.86%			
85) Terphenyl-d14	11.47	244	286005	44.23	ppb	0.00
Spiked Amount 50.000			Recovery = 88.46%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3687\P86575.D Vial: 4
Acq On : 21 Jun 2014 2:58 pm Operator: kristis
Sample : icv3684-50 Inst : MSP
Misc : op75641,ep3687,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 23 9:07 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Mon Jun 23 08:47:16 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Jennifer Laidlaw
06/30/14 23:15

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86640.D Vial: 2
Acq On : 24 Jun 2014 7:49 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:52:11 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.93	152	63728	40.00	ppb	-0.04
24) Naphthalene-d8	5.29	136	242945	40.00	ppb	-0.04
47) Acenaphthene-d10	7.36	164	148826	40.00	ppb	-0.04
69) Phenanthrene-d10	9.19	188	230854	40.00	ppb	-0.04
83) Chrysene-d12	12.99	240	210465	40.00	ppb	-0.04
92) Perylene-d12	15.06	264	187107	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4b	3.93	152	63728	40.00	ppb	-0.04
104) Phenanthrene-d10b	9.19	188	230854	40.00	ppb	0.09
106) Chrysene-d12b	12.99	240	210465	40.00	ppb	-0.03
108) Naphthalene-d8b	5.29	136	242945	40.00	ppb	-0.03
110) Acenaphthene-d10b	7.36	164	148826	40.00	ppb	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	2.80	112	54647	22.48	ppb	-0.03
Spiked Amount 50.000			Recovery = 44.96%			
8) Phenol-d5	3.56	99	68821	23.26	ppb	-0.03
Spiked Amount 50.000			Recovery = 46.52%			
25) Nitrobenzene-d5	4.49	82	61972	26.80	ppb	-0.04
Spiked Amount 50.000			Recovery = 53.60%			
51) 2-Fluorobiphenyl	6.55	172	111305	23.84	ppb	-0.04
Spiked Amount 50.000			Recovery = 47.68%			
73) 2,4,6-Tribromophenol	8.32	330	14071	26.85	ppb	-0.04
Spiked Amount 50.000			Recovery = 53.70%			
85) Terphenyl-d14	11.43	244	115631	25.85	ppb	-0.05
Spiked Amount 50.000			Recovery = 51.70%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.85	88	26162	23.92	ppb	94
3) Pyridine	2.02	79	70059	25.41	ppb	93
4) N-Nitrosodimethylamine	1.99	42	28126	30.28	ppb #	67
6) Indene	4.19	116	104405	28.27	ppb	97
7) Cumene	3.21	105	163097	29.11	ppb	95
9) Phenol	3.57	94	72054	23.75	ppb	85
10) Aniline	3.61	93	67217	17.74	ppb	88
11) bis(2-Chloroethyl)ether	3.65	93	52037	23.03	ppb	91
12) 2-Chlorophenol	3.73	128	56593	24.58	ppb	95
13) Decane	3.76	43	57743	26.56	ppb	96
14) 1,3-Dichlorobenzene	3.88	146	61830	23.79	ppb	99
15) 1,4-Dichlorobenzene	3.94	146	61020	24.10	ppb	99
16) Benzyl alcohol	4.05	108	36062	23.32	ppb	75
17) 1,2-Dichlorobenzene	4.10	146	57647	24.13	ppb	99
18) Acetophenone	4.33	105	89231	30.02	ppb	76
19) 2-Methylphenol	4.17	108	50505	23.03	ppb	96
20) 2,2'-oxybis(1-Chloropropan	4.19	121	16264	23.84	ppb	92
21) 3&4-Methylphenol	4.33	108	52116	23.76	ppb	95
22) n-Nitroso-di-n-propylamine	4.33	70	39405	27.89	ppb	96
23) Hexachloroethane	4.45	201	23599	25.91	ppb	93
26) Nitrobenzene	4.51	77	64845	27.08	ppb	87
27) Quinoline	5.69	129	124476	26.50	ppb	96
28) Isophorone	4.76	82	108416	24.77	ppb	94

(#) = qualifier out of range (m) = manual integration
P86640.D MP3684.M Thu Jun 26 11:52:47 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86640.D Vial: 2
Acq On : 24 Jun 2014 7:49 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:52:11 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2-Nitrophenol	4.85	139	32321	25.90	ppb		75
30)	2,4-Dimethylphenol	4.91	107	49820	23.63	ppb		95
31)	Benzoic acid	5.03	105	48091	29.50	ppb		93
32)	bis(2-Chloroethoxy)methane	5.00	93	61971	23.70	ppb		97
33)	2,4-Dichlorophenol	5.13	162	48606	25.47	ppb		96
34)	2,6-Dichlorophenol	5.38	162	45292	25.14	ppb		98
35)	1,3,5-Trichlorobenzene	4.88	180	62283	27.58	ppb		98
36)	1,2,4-Trichlorobenzene	5.22	180	52128	24.03	ppb		99
37)	1,2,3-Trichlorobenzene	5.48	180	57434	27.93	ppb		98
38)	Naphthalene	5.31	128	152553	23.43	ppb		100
39)	4-Chloroaniline	5.37	127	63328	22.84	ppb		96
40)	2,3-Dichloroaniline	6.45	161	65803	28.42	ppb		97
41)	Caprolactam	5.77	55	29533	29.68	ppb		95
42)	Hexachlorobutadiene	5.46	225	30813	27.90	ppb		99
43)	4-Chloro-3-methylphenol	5.96	107	51552	27.15	ppb		95
44)	2-Methylnaphthalene	6.12	141	93778	24.91	ppb		97
45)	1-Methylnaphthalene	6.23	142	121171	27.42	ppb		96
46)	Dimethylnaphthalene	6.86	156	109657	27.61	ppb		93
48)	Hexachlorocyclopentadiene	6.31	237	70221	63.54	ppb		99
49)	2,4,6-Trichlorophenol	6.46	196	35387	27.82	ppb		93
50)	2,4,5-Trichlorophenol	6.51	196	38350	26.77	ppb		95
52)	2-Chloronaphthalene	6.69	162	102939	24.85	ppb		98
53)	Biphenyl	6.67	154	147885	26.30	ppb		99
54)	2-Nitroaniline	6.82	65	34195	29.74	ppb		91
55)	Dimethylphthalate	7.05	163	118719	25.73	ppb		99
56)	Acenaphthylene	7.18	152	160957	24.32	ppb		98
57)	2,6-Dinitrotoluene	7.11	165	27431	26.80	ppb		84
58)	3-Nitroaniline	7.31	138	30716	23.95	ppb		87
59)	Acenaphthene	7.40	153	96466	23.28	ppb		97
60)	2,4-Dinitrophenol	7.45	184	32845	58.39	ppb	#	55
61)	4-Nitrophenol	7.55	109	19859	37.29	ppb	#	80
62)	Dibenzofuran	7.61	168	139518	24.39	ppb		95
63)	2,4-Dinitrotoluene	7.60	165	38378	29.10	ppb		79
64)	2,3,4,6-Tetrachlorophenol	7.77	232	30709	27.85	ppb		94
65)	Diethylphthalate	7.91	149	118621	27.51	ppb		97
66)	Fluorene	8.02	166	117915	25.82	ppb		98
67)	4-Chlorophenyl-phenylether	8.03	204	54751	25.06	ppb		94
68)	4-Nitroaniline	8.05	138	30699	24.14	ppb		77
70)	4,6-Dinitro-2-methylphenol	8.10	198	23073	29.01	ppb		92
71)	n-Nitrosodiphenylamine	8.18	169	80491	26.13	ppb		99
72)	1,2-Diphenylhydrazine	8.22	77	124270	27.87	ppb		91
74)	4-Bromophenyl-phenylether	8.63	248	31876	25.69	ppb		91
75)	Hexachlorobenzene	8.71	284	31609	25.07	ppb		85
76)	Pentachlorophenol	8.96	266	43604	60.19	ppb		96
77)	Phenanthrene	9.21	178	157588	24.21	ppb		99
78)	Anthracene	9.28	178	160898	24.45	ppb		99
79)	Carbazole	9.50	167	182015	28.90	ppb		99
80)	Di-n-butylphthalate	10.01	149	193795	27.59	ppb		98
81)	Fluoranthene	10.84	202	176673	24.25	ppb		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86640.D Vial: 2
Acq On : 24 Jun 2014 7:49 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:52:11 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

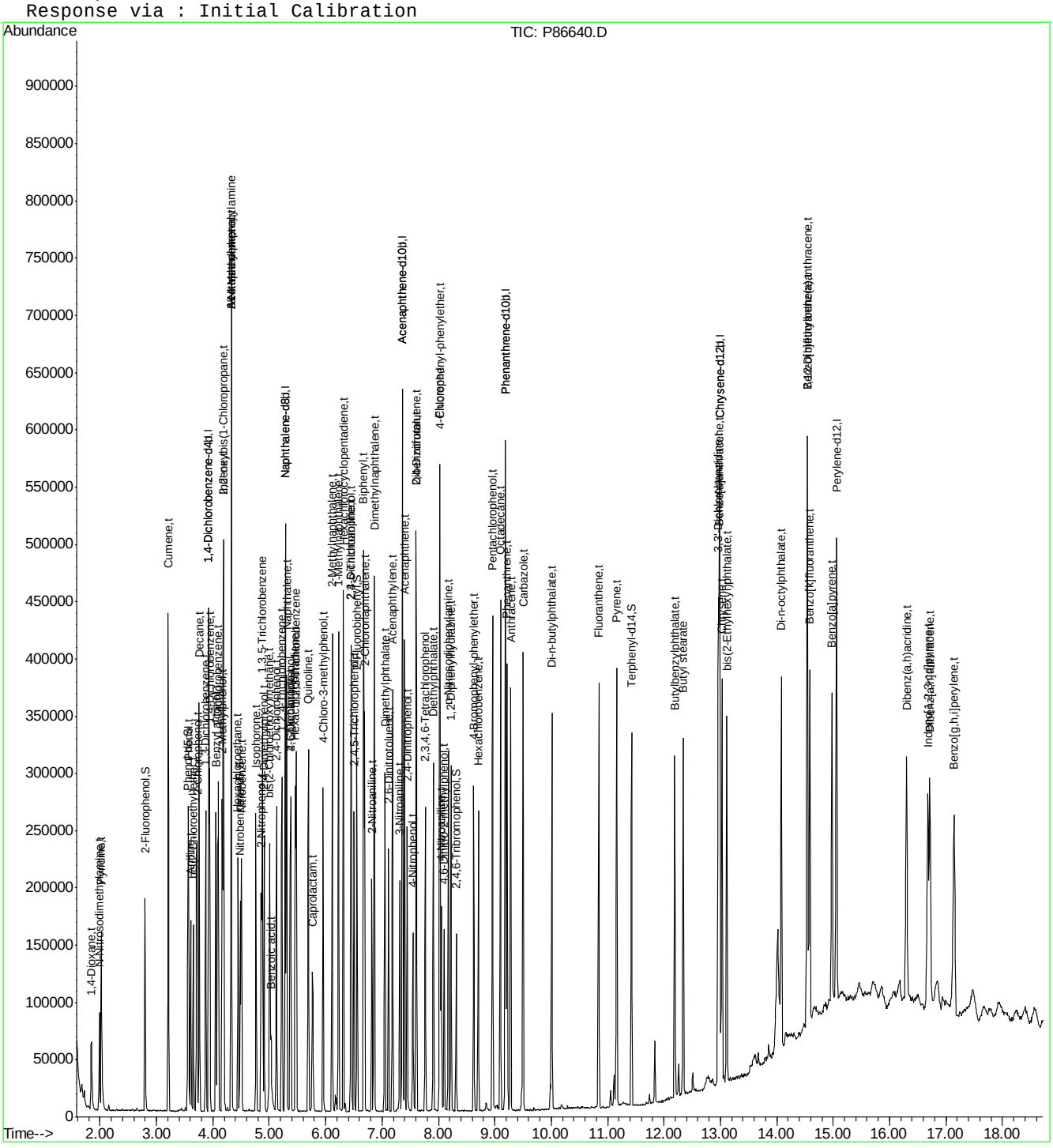
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82) Octadecane	9.10	57	79084	28.32	ppb	96
84) Pyrene	11.16	202	182637	25.39	ppb	96
86) Butylbenzylphthalate	12.19	149	85320	28.88	ppb	91
87) Butyl stearate	12.34	56	45289	18.03	ppb	93
88) Benzo[a]anthracene	12.97	228	157295	25.92	ppb	100
89) 3,3'-Dichlorobenzidine	12.96	252	58791	26.38	ppb	99
90) Chrysene	13.03	228	145995	25.57	ppb	99
91) bis(2-Ethylhexyl)phthalate	13.11	149	111940	29.36	ppb	96
93) Di-n-octylphthalate	14.08	149	192584	30.62	ppb	99
94) Benzo[b]fluoranthene	14.55	252	154114	27.70	ppb	98
95) Benzo[k]fluoranthene	14.58	252	147793	26.63	ppb	97
96) Benzo[a]pyrene	14.98	252	136279	26.55	ppb	99
97) Indeno[1,2,3-cd]pyrene	16.68	276	166694m	28.51	ppb	
98) Dibenz(a,h)acridine	16.30	279	133840	31.75	ppb	99
99) Dibenz[a,h]anthracene	16.72	278	134239	28.11	ppb	96
100) 7,12-Dimethylbenz(a)anthra	14.55	256	73261	28.69	ppb	100
101) Benzo[g,h,i]perylene	17.15	276	135671	27.61	ppb	91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86640.D Vial: 2
Acq On : 24 Jun 2014 7:49 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:52 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

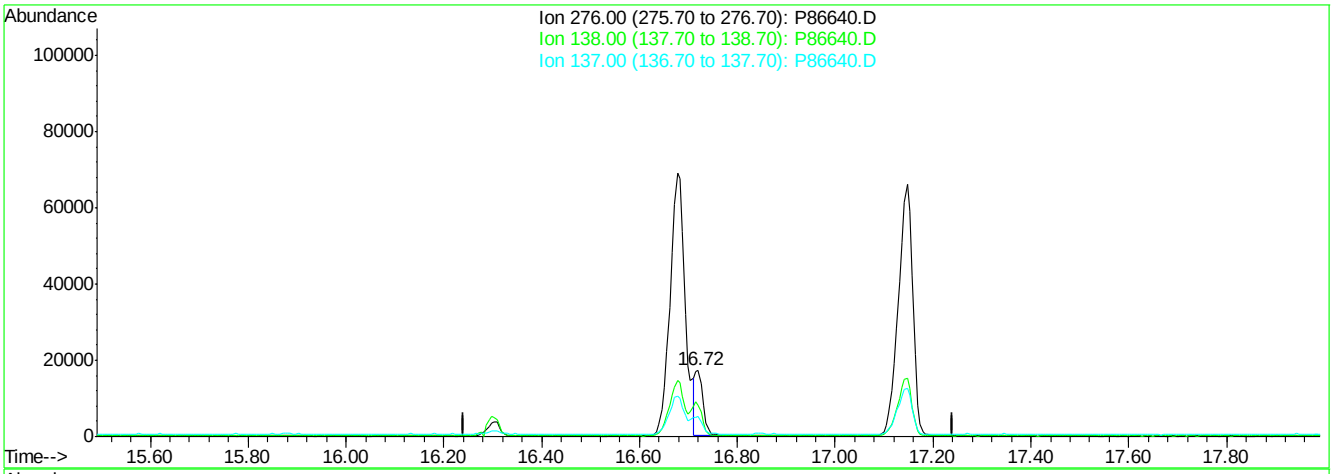
Sample Number:	EP3691-CC3684	**Method:**	SW846 8270D
Lab FileID:	P86640.D	**Analyst approved:**	06/26/14 15:36 Kristi Schollenberger
Injection Time:	06/24/14 19:49	**Supervisor approved:**	06/30/14 23:15 Jennifer Laidlaw

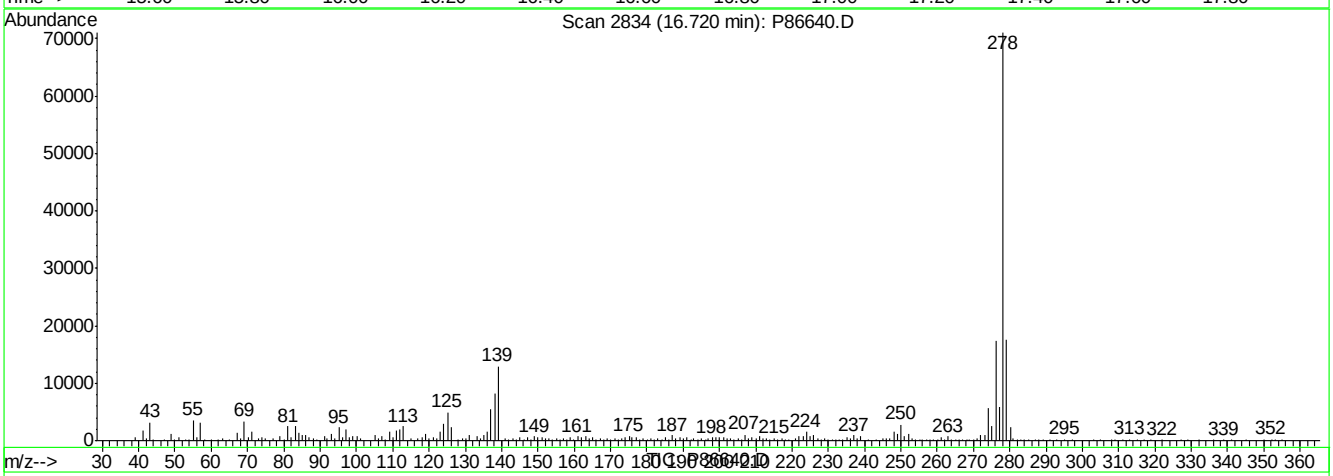
Parameter	CAS	Sig#	R.T. (min.)	Reason
Indeno(1,2,3-cd)pyrene	193-39-5		16.68	Overlapping peak

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86640.D Vial: 2
Acq On : 24 Jun 2014 7:49 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:52 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Multiple Level Calibration





(97) Indeno[1,2,3-cd]pyrene (t)

16.72min 3.39ppb

response 19834

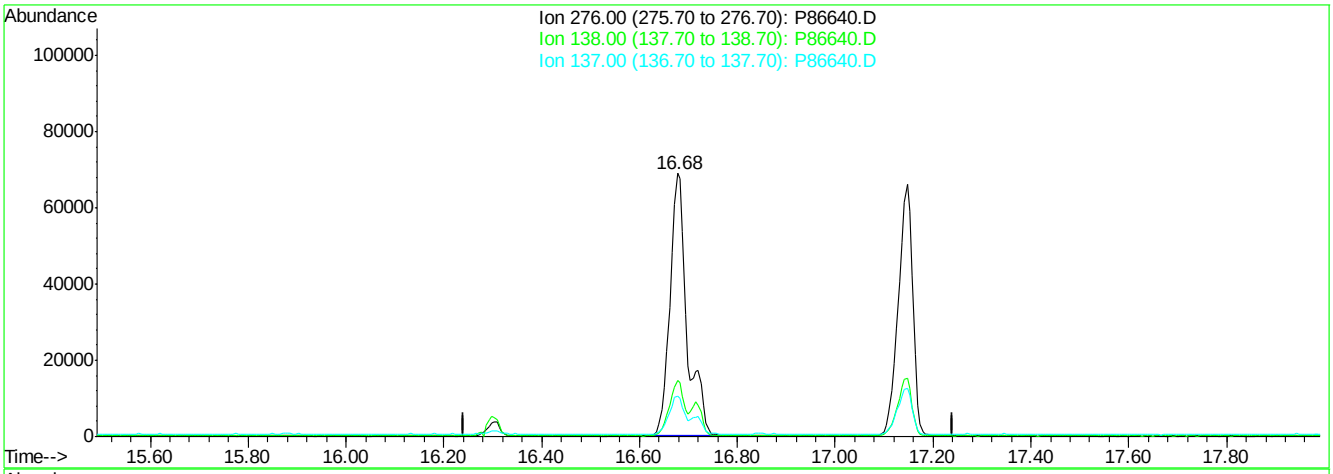
Ion	Exp%	Act%
276.00	100	100
138.00	28.80	42.32
137.00	20.60	26.95
0.00	0.00	0.00

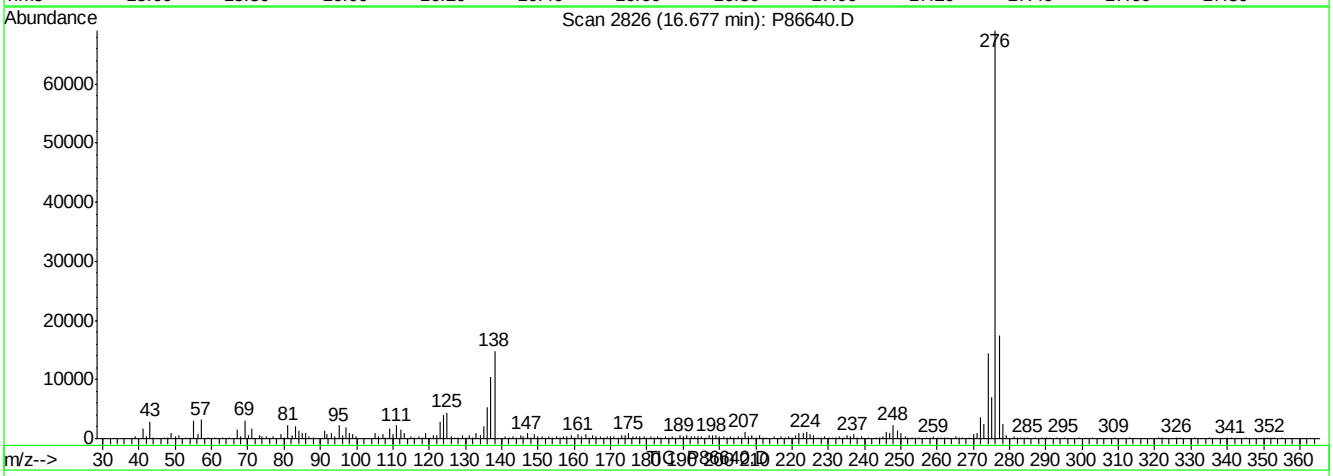
P86640.D MP3684.M Thu Jun 26 11:52:30 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86640.D Vial: 2
Acq On : 24 Jun 2014 7:49 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:52 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Multiple Level Calibration





(97) Indeno[1,2,3-cd]pyrene (t)

16.68min 28.51ppb m

response 166694

Ion	Exp%	Act%
276.00	100	100
138.00	28.80	21.49
137.00	20.60	15.23
0.00	0.00	0.00

P86640.D MP3684.M Thu Jun 26 11:52:41 2014

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86641.D Vial: 3
Acq On : 24 Jun 2014 8:16 pm Operator: ashleyd
Sample : cc3685-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:52:55 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

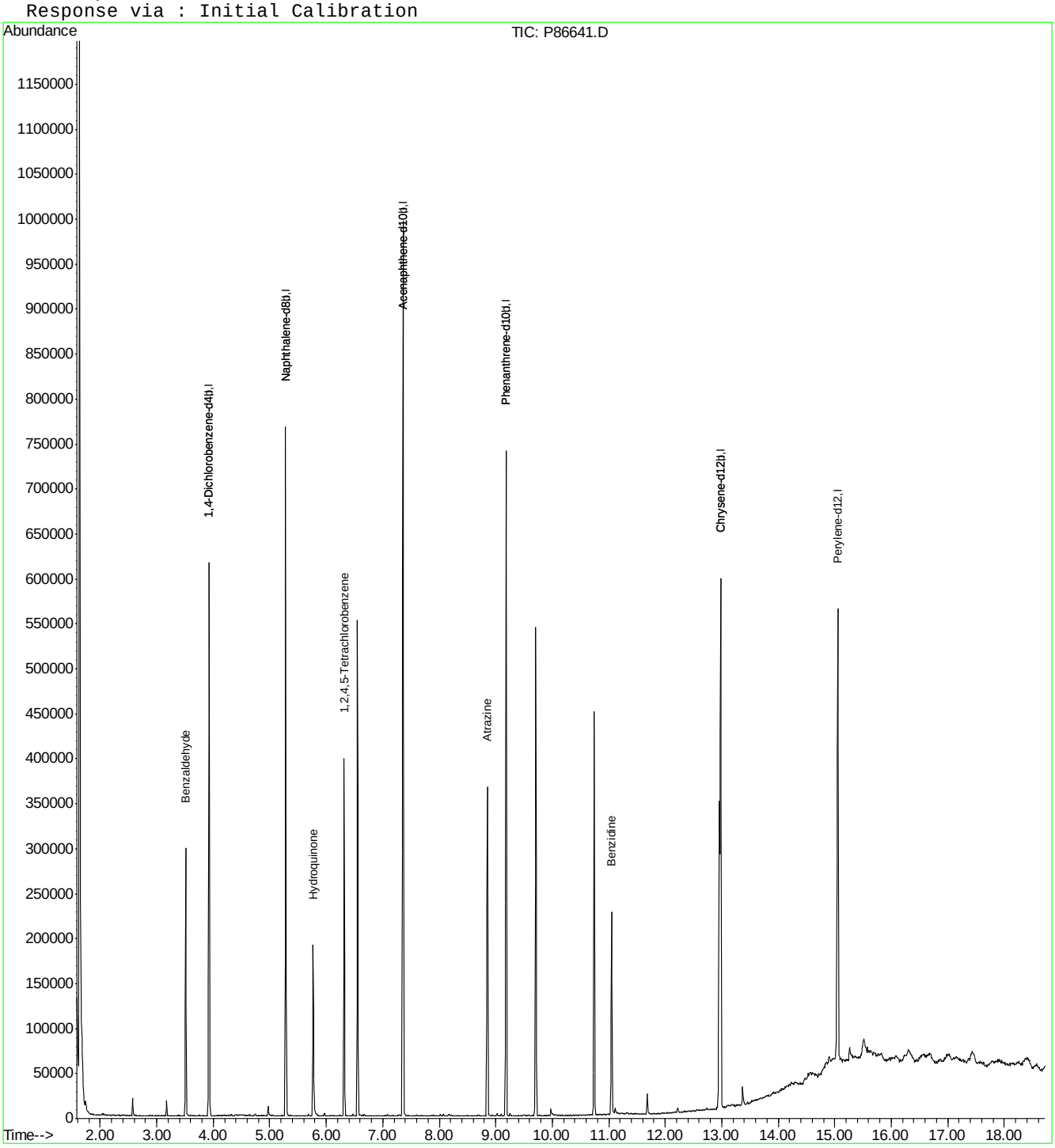
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.93	152	86089	40.00	ppb	-0.04
24) Naphthalene-d8	5.28	136	326220	40.00	ppb	-0.04
47) Acenaphthene-d10	7.36	164	186379	40.00	ppb	-0.04
69) Phenanthrene-d10	9.18	188	298344	40.00	ppb	-0.05
83) Chrysene-d12	12.99	240	268451	40.00	ppb	-0.05
92) Perylene-d12	15.06	264	243603	40.00	ppb	-0.04
102) 1,4-Dichlorobenzene-d4b	3.93	152	86089	40.00	ppb	-0.04
104) Phenanthrene-d10b	9.18	188	298344	40.00	ppb	0.08
106) Chrysene-d12b	12.99	240	268451	40.00	ppb	-0.04
108) Naphthalene-d8b	5.28	136	326220	40.00	ppb	-0.04
110) Acenaphthene-d10b	7.36	164	186379	40.00	ppb	-0.04
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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.51	105	55855	20.11	ppb	93
105) Atrazine	8.85	200	47481	27.06	ppb	93
107) Benzidine	11.05	184	104390	17.36	ppb	98
109) Hydroquinone	5.77	110	75641	23.96	ppb	82
111) 1,2,4,5-Tetrachlorobenzene	6.32	216	71363	21.94	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
P86641.D MP3684.M Thu Jun 26 11:53:14 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3691\P86641.D Vial: 3
Acq On : 24 Jun 2014 8:16 pm Operator: ashleyd
Sample : cc3685-25 Inst : MSP
Misc : op75641,ep3691 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 26 11:53 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Jun 26 11:52:09 2014
Response via : Initial Calibration



P86641.D MP3684.M Thu Jun 26 11:53:14 2014 Page 2

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86828.D Vial: 2
Acq On : 29 Jun 2014 12:40 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 29 12:59:22 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.88	152	85158	40.00	ppb	0.00
24) Naphthalene-d8	5.24	136	336686	40.00	ppb	0.00
47) Acenaphthene-d10	7.32	164	208394	40.00	ppb	0.00
69) Phenanthrene-d10	9.15	188	291259	40.00	ppb	0.02
83) Chrysene-d12	12.95	240	261448	40.00	ppb	0.03
92) Perylene-d12	15.03	264	243789	40.00	ppb	0.04
102) 1,4-Dichlorobenzene-d4b	3.88	152	85158	40.00	ppb	0.00
104) Phenanthrene-d10b	9.15	188	291259	40.00	ppb	0.02
106) Chrysene-d12b	12.95	240	261448	40.00	ppb	0.03
108) Naphthalene-d8b	5.24	136	336686	40.00	ppb	0.00
110) Acenaphthene-d10b	7.32	164	208394	40.00	ppb	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	2.77	112	72656	22.37	ppb	0.01
Spiked Amount 50.000			Recovery = 44.74%			
8) Phenol-d5	3.53	99	98813	25.00	ppb	0.01
Spiked Amount 50.000			Recovery = 50.00%			
25) Nitrobenzene-d5	4.45	82	96002	29.95	ppb	0.00
Spiked Amount 50.000			Recovery = 59.90%			
51) 2-Fluorobiphenyl	6.52	172	154476	23.63	ppb	0.01
Spiked Amount 50.000			Recovery = 47.26%			
73) 2,4,6-Tribromophenol	8.28	330	17339	26.22	ppb	0.02
Spiked Amount 50.000			Recovery = 52.44%			
85) Terphenyl-d14	11.39	244	130831	23.55	ppb	0.02
Spiked Amount 50.000			Recovery = 47.10%			
Target Compounds						Qvalue
2) 1,4-Dioxane	1.80	88	30878	21.12	ppb	92
3) Pyridine	1.98	79	79834	21.67	ppb	90
4) N-Nitrosodimethylamine	1.94	42	44621	35.95	ppb #	49
6) Indene	4.14	116	127010	25.74	ppb	97
7) Cumene	3.17	105	201631	26.93	ppb	92
9) Phenol	3.55	94	107432	26.50	ppb	76
10) Aniline	3.57	93	118161	23.34	ppb	98
11) bis(2-Chloroethyl)ether	3.61	93	76594	25.37	ppb	87
12) 2-Chlorophenol	3.69	128	74278	24.14	ppb	89
13) Decane	3.72	43	84136	28.97	ppb	93
14) 1,3-Dichlorobenzene	3.83	146	83480	24.03	ppb	99
15) 1,4-Dichlorobenzene	3.90	146	78699	23.26	ppb	99
16) Benzyl alcohol	4.01	108	54387	26.32	ppb #	67
17) 1,2-Dichlorobenzene	4.05	146	76997	24.12	ppb	96
18) Acetophenone	4.28	105	117897	29.68	ppb	85
19) 2-Methylphenol	4.13	108	70811	24.17	ppb	97
20) 2,2'-oxybis(1-Chloropropan	4.14	121	22997	25.23	ppb #	84
21) 3&4-Methylphenol	4.29	108	74710	25.49	ppb	92
22) n-Nitroso-di-n-propylamine	4.28	70	63372	33.57	ppb	90
23) Hexachloroethane	4.40	201	30587	25.13	ppb	81
26) Nitrobenzene	4.46	77	99331	29.93	ppb	81
27) Quinoline	5.65	129	154334	23.71	ppb	95
28) Isophorone	4.72	82	166888	27.51	ppb	90

(#) = qualifier out of range (m) = manual integration
P86828.D MP3684.M Mon Jun 30 09:27:03 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86828.D Vial: 2
Acq On : 29 Jun 2014 12:40 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 29 12:59:22 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2-Nitrophenol	4.82	139	43742	25.29	ppb		76
30)	2,4-Dimethylphenol	4.88	107	75395	25.81	ppb		93
31)	Benzoic acid	5.00	105	57946	25.65	ppb		86
32)	bis(2-Chloroethoxy)methane	4.96	93	91866	25.35	ppb		98
33)	2,4-Dichlorophenol	5.09	162	65889	24.91	ppb		95
34)	2,6-Dichlorophenol	5.35	162	60739	24.33	ppb		97
35)	1,3,5-Trichlorobenzene	4.83	180	72481	23.16	ppb		98
36)	1,2,4-Trichlorobenzene	5.18	180	70209	23.35	ppb		97
37)	1,2,3-Trichlorobenzene	5.44	180	68197	23.93	ppb		97
38)	Naphthalene	5.27	128	208413	23.10	ppb		99
39)	4-Chloroaniline	5.33	127	97137	25.28	ppb		90
40)	2,3-Dichloroaniline	6.41	161	81299	25.34	ppb		94
41)	Caprolactam	5.73	55	40768	29.57	ppb		89
42)	Hexachlorobutadiene	5.42	225	41346	27.01	ppb		99
43)	4-Chloro-3-methylphenol	5.93	107	75223	28.59	ppb		87
44)	2-Methylnaphthalene	6.07	141	127593	24.46	ppb		92
45)	1-Methylnaphthalene	6.19	142	149735	24.45	ppb		94
46)	Dimethylnaphthalene	6.82	156	134845	24.50	ppb		91
48)	Hexachlorocyclopentadiene	6.26	237	80753	52.18	ppb		97
49)	2,4,6-Trichlorophenol	6.43	196	47786	26.83	ppb		96
50)	2,4,5-Trichlorophenol	6.48	196	52033	25.94	ppb		97
52)	2-Chloronaphthalene	6.65	162	139476	24.04	ppb		96
53)	Biphenyl	6.63	154	176974	22.48	ppb		97
54)	2-Nitroaniline	6.78	65	56651	35.19	ppb	#	80
55)	Dimethylphthalate	7.01	163	165215	25.58	ppb		98
56)	Acenaphthylene	7.15	152	221348	23.88	ppb		98
57)	2,6-Dinitrotoluene	7.08	165	36907	25.75	ppb		72
58)	3-Nitroaniline	7.28	138	43032	23.97	ppb		82
59)	Acenaphthene	7.36	153	129714	22.35	ppb		97
60)	2,4-Dinitrophenol	7.42	184	32353	43.48	ppb	#	37
61)	4-Nitrophenol	7.54	109	31150	41.77	ppb	#	71
62)	Dibenzofuran	7.57	168	190412	23.77	ppb		99
63)	2,4-Dinitrotoluene	7.57	165	50105	27.13	ppb	#	54
64)	2,3,4,6-Tetrachlorophenol	7.74	232	38009	24.61	ppb		90
65)	Diethylphthalate	7.87	149	162612	26.93	ppb		95
66)	Fluorene	7.99	166	155542	24.32	ppb		99
67)	4-Chlorophenyl-phenylether	7.99	204	72576	23.72	ppb		90
68)	4-Nitroaniline	8.02	138	39646	22.26	ppb	#	54
70)	4,6-Dinitro-2-methylphenol	8.07	198	25693	25.61	ppb		71
71)	n-Nitrosodiphenylamine	8.14	169	106920	27.51	ppb		100
72)	1,2-Diphenylhydrazine	8.18	77	192236	34.17	ppb		87
74)	4-Bromophenyl-phenylether	8.58	248	39325	25.12	ppb		83
75)	Hexachlorobenzene	8.67	284	36944	23.23	ppb		73
76)	Pentachlorophenol	8.93	266	42994	47.04	ppb		94
77)	Phenanthrene	9.18	178	187503	22.83	ppb		99
78)	Anthracene	9.24	178	194600	23.44	ppb		99
79)	Carbazole	9.46	167	189706	23.88	ppb		95
80)	Di-n-butylphthalate	9.96	149	234043	26.41	ppb		97
81)	Fluoranthene	10.81	202	197132	21.44	ppb		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86828.D Vial: 2
Acq On : 29 Jun 2014 12:40 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 29 12:59:22 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

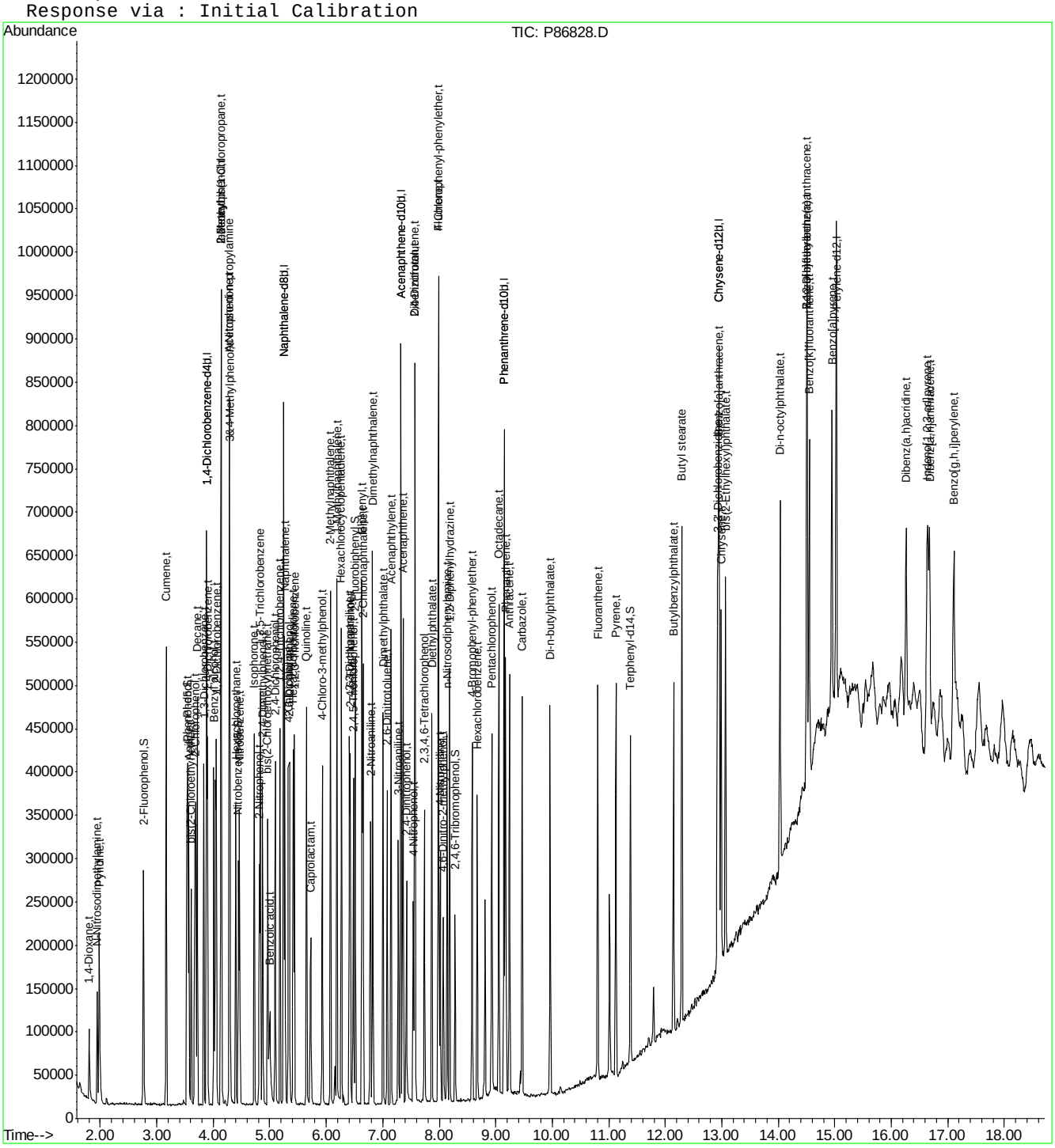
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	Octadecane	9.05	57	106140	30.13	ppb	91
84)	Pyrene	11.13	202	209134	23.40	ppb	98
86)	Butylbenzylphthalate	12.15	149	100710	27.44	ppb	85
87)	Butyl stearate	12.29	56	92300	29.58	ppb	98
88)	Benzo[a]anthracene	12.94	228	181924	24.13	ppb	98
89)	3,3'-Dichlorobenzidine	12.92	252	69809	25.22	ppb	98
90)	Chrysene	12.99	228	168434	23.74	ppb	99
91)	bis(2-Ethylhexyl)phthalate	13.07	149	140496	29.66	ppb	94
93)	Di-n-octylphthalate	14.03	149	238391	29.09	ppb	97
94)	Benzo[b]fluoranthene	14.51	252	181139	24.99	ppb	96
95)	Benzo[k]fluoranthene	14.55	252	172744	23.89	ppb	98
96)	Benzo[a]pyrene	14.95	252	159990	23.92	ppb	99
97)	Indeno[1,2,3-cd]pyrene	16.64	276	194823	25.58	ppb	88
98)	Dibenz(a,h)acridine	16.27	279	134119	24.42	ppb	98
99)	Dibenz[a,h]anthracene	16.68	278	153519	24.67	ppb	97
100)	7,12-Dimethylbenz(a)anthra	14.51	256	84072	25.27	ppb	97
101)	Benzo[g,h,i]perylene	17.10	276	155944	24.36	ppb	91

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86828.D Vial: 2
Acq On : 29 Jun 2014 12:40 pm Operator: ashleyd
Sample : cc3684-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 29 13:01 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86829.D Vial: 3
Acq On : 29 Jun 2014 1:06 pm Operator: ashleyd
Sample : cc3685-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 09:27:09 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

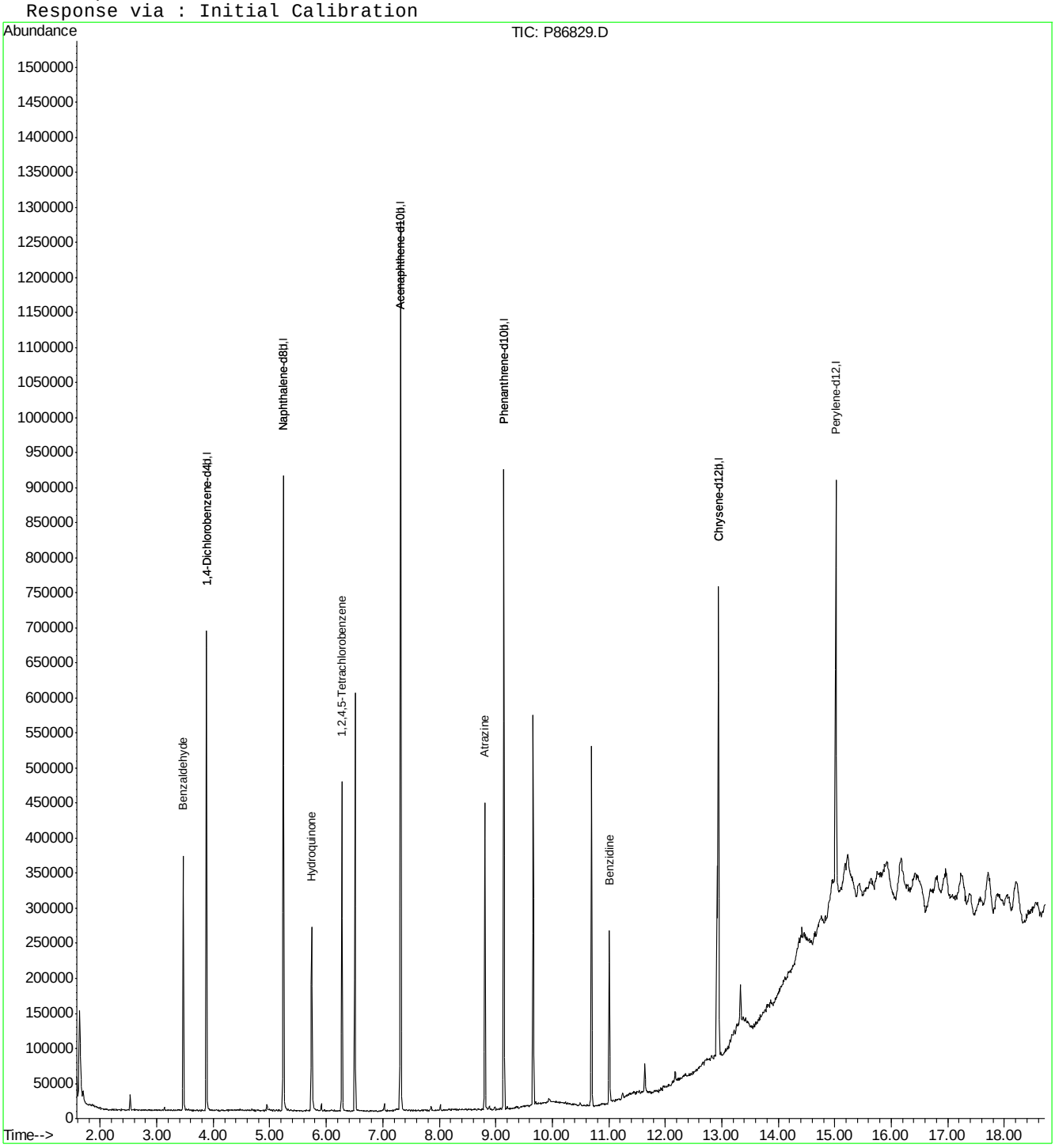
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.88	152	96823	40.00	ppb	0.00
24) Naphthalene-d8	5.24	136	379542	40.00	ppb	0.00
47) Acenaphthene-d10	7.32	164	222798	40.00	ppb	0.00
69) Phenanthrene-d10	9.14	188	342979	40.00	ppb	0.01
83) Chrysene-d12	12.94	240	266412	40.00	ppb	0.02
92) Perylene-d12	15.02	264	245723	40.00	ppb	0.03
102) 1,4-Dichlorobenzene-d4b	3.88	152	96823	40.00	ppb	0.00
104) Phenanthrene-d10b	9.14	188	342979	40.00	ppb	0.01
106) Chrysene-d12b	12.94	240	266412	40.00	ppb	0.02
108) Naphthalene-d8b	5.24	136	379542	40.00	ppb	0.00
110) Acenaphthene-d10b	7.32	164	222798	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%		
85) Terphenyl-d14	0.00	244	0	0.00	ppb	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
103) Benzaldehyde	3.47	105	63119	20.20	ppb	87
105) Atrazine	8.81	200	48866	24.22	ppb	87
107) Benzidine	11.01	184	101894	17.07	ppb	99
109) Hydroquinone	5.74	110	87073	23.70	ppb	73
111) 1,2,4,5-Tetrachlorobenzene	6.28	216	73211	18.83	ppb	99

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3698\P86829.D Vial: 3
Acq On : 29 Jun 2014 1:06 pm Operator: ashleyd
Sample : cc3685-25 Inst : MSP
Misc : op75641,ep3698,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 9:27 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integrations APPROVED (compounds with "m" flag)
Nina Pandya
07/02/14 12:45

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86871.D Vial: 3
Acq On : 30 Jun 2014 2:09 pm Operator: harpreek
Sample : cc3684-50 Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:28:45 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	3.86	152	86607	40.00	ppb		-0.03
24) Naphthalene-d8	5.21	136	343323	40.00	ppb		-0.03
47) Acenaphthene-d10	7.29	164	201627	40.00	ppb		-0.03
69) Phenanthrene-d10	9.11	188	322504	40.00	ppb		-0.02
83) Chrysene-d12	12.91	240	295626	40.00	ppb		-0.02
92) Perylene-d12	14.98	264	252339	40.00	ppb		-0.02
102) 1,4-Dichlorobenzene-d4b	3.86	152	86607	40.00	ppb		-0.03
104) Phenanthrene-d10b	9.11	188	322504	40.00	ppb		-0.02
106) Chrysene-d12b	12.91	240	295626	40.00	ppb		-0.02
108) Naphthalene-d8b	5.21	136	343323	40.00	ppb		-0.03
110) Acenaphthene-d10b	7.29	164	201627	40.00	ppb		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	2.73	112	147395	44.62	ppb		-0.02
Spiked Amount 50.000			Recovery = 89.24%				
8) Phenol-d5	3.50	99	204812	50.94	ppb		-0.02
Spiked Amount 50.000			Recovery = 101.88%				
25) Nitrobenzene-d5	4.42	82	198308	60.68	ppb		-0.03
Spiked Amount 50.000			Recovery = 121.36%				
51) 2-Fluorobiphenyl	6.48	172	307351	48.60	ppb		-0.02
Spiked Amount 50.000			Recovery = 97.20%				
73) 2,4,6-Tribromophenol	8.25	330	38235	52.22	ppb		-0.02
Spiked Amount 50.000			Recovery = 104.44%				
85) Terphenyl-d14	11.35	244	353459	56.26	ppb		-0.02
Spiked Amount 50.000			Recovery = 112.52%				
Target Compounds							Qvalue
2) 1,4-Dioxane	1.78	88	62002	41.71	ppb		88
3) Pyridine	1.95	79	167400	44.67	ppb		87
4) N-Nitrosodimethylamine	1.92	42	95669	75.78	ppb	#	53
6) Indene	4.11	116	259077	51.62	ppb		93
7) Cumene	3.13	105	401228	52.69	ppb		91
9) Phenol	3.51	94	219742	53.30	ppb		76
10) Aniline	3.54	93	254795	49.49	ppb		79
11) bis(2-Chloroethyl)ether	3.58	93	154377	50.28	ppb		87
12) 2-Chlorophenol	3.66	128	149178	47.68	ppb		85
13) Decane	3.69	43	167233	56.61	ppb		94
14) 1,3-Dichlorobenzene	3.80	146	169700	48.04	ppb		99
15) 1,4-Dichlorobenzene	3.87	146	163236	47.45	ppb		95
16) Benzyl alcohol	3.98	108	109393	52.06	ppb	#	57
17) 1,2-Dichlorobenzene	4.03	146	153223	47.20	ppb		98
18) Acetophenone	4.26	105	241859	59.88	ppb		79
19) 2-Methylphenol	4.10	108	148495	49.83	ppb		96
20) 2,2'-oxybis(1-Chloropropan	4.12	121	46147	49.77	ppb	#	87
21) 3&4-Methylphenol	4.26	108	155239	52.08	ppb		97
22) n-Nitroso-di-n-propylamine	4.26	70	130096	67.76	ppb		93
23) Hexachloroethane	4.37	201	65847	53.20	ppb		88
26) Nitrobenzene	4.44	77	205229	60.65	ppb		81
27) Quinoline	5.62	129	309638	46.64	ppb		92
28) Isophorone	4.69	82	344274	55.66	ppb		91

(#) = qualifier out of range (m) = manual integration
P86871.D MP3684.M Wed Jul 02 10:31:30 2014 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86871.D Vial: 3
Acq On : 30 Jun 2014 2:09 pm Operator: harpreek
Sample : cc3684-50 Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:28:45 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2-Nitrophenol	4.79	139	88829	50.36	ppb		64
30)	2,4-Dimethylphenol	4.84	107	167018	56.06	ppb		91
31)	Benzoic acid	4.97	105	132300	57.43	ppb		85
32)	bis(2-Chloroethoxy)methane	4.93	93	190483	51.55	ppb		96
33)	2,4-Dichlorophenol	5.06	162	132241	49.04	ppb		95
34)	2,6-Dichlorophenol	5.31	162	126407	49.65	ppb		96
35)	1,3,5-Trichlorobenzene	4.80	180	146493	45.91	ppb		97
36)	1,2,4-Trichlorobenzene	5.15	180	141802	46.25	ppb		98
37)	1,2,3-Trichlorobenzene	5.40	180	137115	47.18	ppb		96
38)	Naphthalene	5.23	128	416912	45.31	ppb		99
39)	4-Chloroaniline	5.30	127	194988	49.76	ppb		91
40)	2,3-Dichloroaniline	6.38	161	164654	50.33	ppb		92
41)	Caprolactam	5.70	55	85415	60.75	ppb		90
42)	Hexachlorobutadiene	5.39	225	88850	56.93	ppb		98
43)	4-Chloro-3-methylphenol	5.90	107	157920	58.85	ppb		86
44)	2-Methylnaphthalene	6.04	141	259842	48.84	ppb		92
45)	1-Methylnaphthalene	6.16	142	296296	47.45	ppb		94
46)	Dimethylnaphthalene	6.79	156	262664	46.80	ppb		88
48)	Hexachlorocyclopentadiene	6.24	237	186585	124.62	ppb		98
49)	2,4,6-Trichlorophenol	6.39	196	93721	54.38	ppb		94
50)	2,4,5-Trichlorophenol	6.44	196	104157	53.66	ppb		94
52)	2-Chloronaphthalene	6.62	162	282020	50.25	ppb		93
53)	Biphenyl	6.60	154	361544	47.46	ppb		98
54)	2-Nitroaniline	6.75	65	118929	76.36	ppb	#	73
55)	Dimethylphthalate	6.98	163	336347	53.82	ppb		99
56)	Acenaphthylene	7.11	152	439437	49.01	ppb		98
57)	2,6-Dinitrotoluene	7.04	165	78641m	56.71	ppb		
58)	3-Nitroaniline	7.25	138	89787	51.68	ppb		73
59)	Acenaphthene	7.33	153	267514	47.64	ppb		95
60)	2,4-Dinitrophenol	7.38	184	75841	93.83	ppb	#	19
61)	4-Nitrophenol	7.50	109	70481	97.68	ppb	#	70
62)	Dibenzofuran	7.54	168	392814	50.68	ppb		99
63)	2,4-Dinitrotoluene	7.54	165	104402	58.43	ppb	#	56
64)	2,3,4,6-Tetrachlorophenol	7.70	232	85263	57.07	ppb		89
65)	Diethylphthalate	7.84	149	343926	58.87	ppb		96
66)	Fluorene	7.95	166	335020	54.15	ppb		99
67)	4-Chlorophenyl-phenylether	7.96	204	153808	51.96	ppb		85
68)	4-Nitroaniline	7.99	138	84602	49.11	ppb	#	49
70)	4,6-Dinitro-2-methylphenol	8.04	198	59067	53.16	ppb		80
71)	n-Nitrosodiphenylamine	8.11	169	227676	52.91	ppb		99
72)	1,2-Diphenylhydrazine	8.15	77	412096	66.15	ppb		87
74)	4-Bromophenyl-phenylether	8.55	248	88373	50.99	ppb	#	80
75)	Hexachlorobenzene	8.63	284	85973	48.81	ppb		72
76)	Pentachlorophenol	8.89	266	111902	110.58	ppb		96
77)	Phenanthrene	9.14	178	441182	48.51	ppb		99
78)	Anthracene	9.21	178	464756	50.56	ppb		100
79)	Carbazole	9.43	167	459278	52.20	ppb		98
80)	Di-n-butylphthalate	9.93	149	575711	58.66	ppb		98
81)	Fluoranthene	10.76	202	527753	51.84	ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86871.D Vial: 3
Acq On : 30 Jun 2014 2:09 pm Operator: harpreek
Sample : cc3684-50 Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:28:45 2014 Quant Results File: MP3684.RES

Quant Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration
DataAcq Meth : MP3684

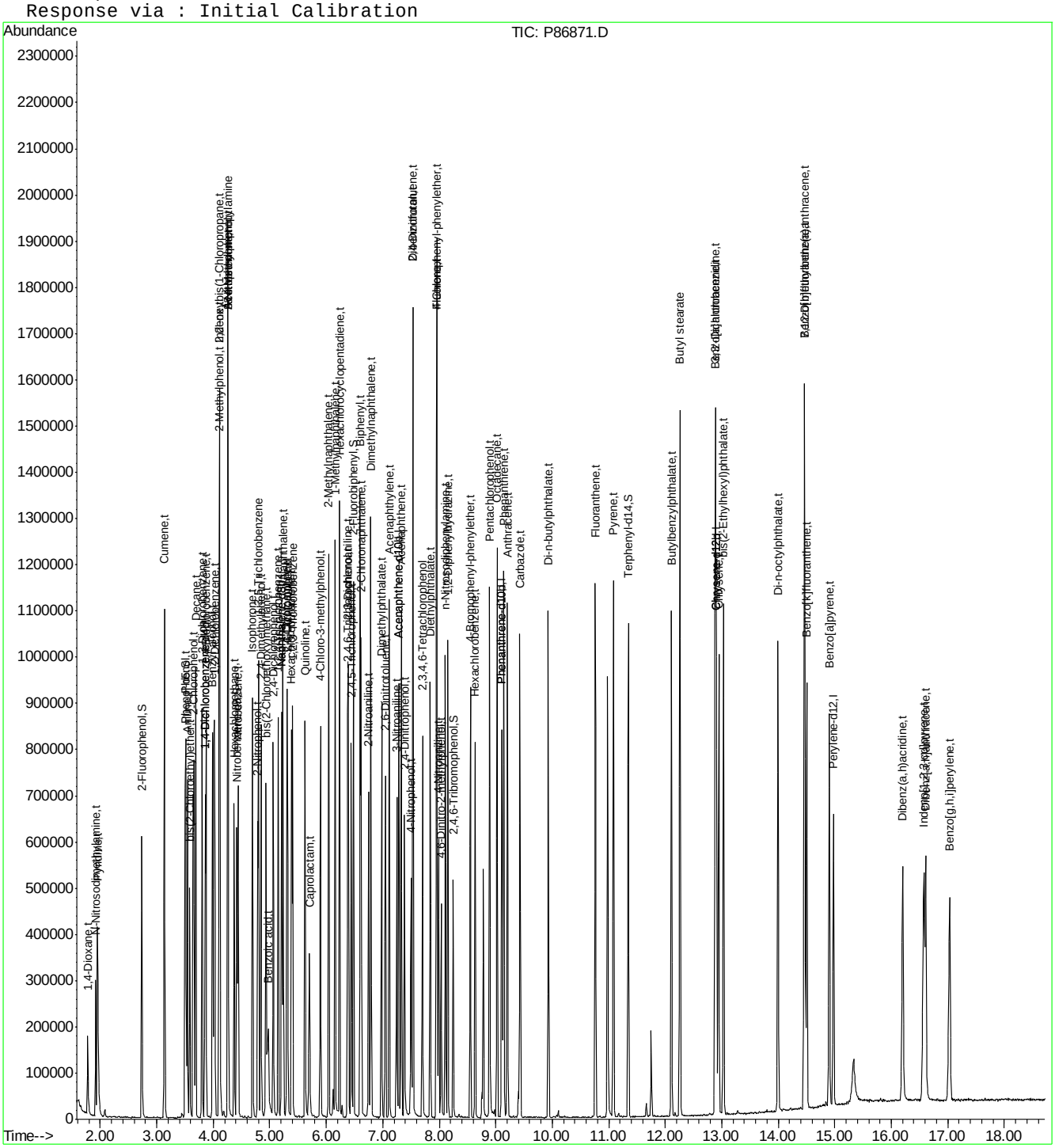
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
82)	Octadecane	9.02	57	240157	61.56	ppb	94
84)	Pyrene	11.08	202	537942	53.24	ppb	100
86)	Butylbenzylphthalate	12.11	149	272641	65.70	ppb	84
87)	Butyl stearate	12.26	56	238632	67.63	ppb	96
88)	Benzo[a]anthracene	12.89	228	481643	56.50	ppb	99
89)	3,3'-Dichlorobenzidine	12.88	252	189499	60.54	ppb	98
90)	Chrysene	12.95	228	409995	51.11	ppb	99
91)	bis(2-Ethylhexyl)phthalate	13.03	149	343866	64.21	ppb	93
93)	Di-n-octylphthalate	14.00	149	587290	69.24	ppb	95
94)	Benzo[b]fluoranthene	14.47	252	451958	60.23	ppb	96
95)	Benzo[k]fluoranthene	14.51	252	406049	54.25	ppb	98
96)	Benzo[a]pyrene	14.90	252	392383	56.67	ppb	98
97)	Indeno[1,2,3-cd]pyrene	16.58	276	420931	53.39	ppb	90
98)	Dibenz(a,h)acridine	16.20	279	302535	53.21	ppb	99
99)	Dibenz[a,h]anthracene	16.61	278	328711	51.03	ppb	98
100)	7,12-Dimethylbenz(a)anthra	14.47	256	223751	64.97	ppb	98
101)	Benzo[g,h,i]perylene	17.03	276	336862	50.83	ppb	94

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

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86871.D Vial: 3
Acq On : 30 Jun 2014 2:09 pm Operator: harpreek
Sample : cc3684-50 Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 10:31 2014 Quant Results File: MP3684.RES

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Initial Calibration



ACCUTEST LABORATORIES JB69926

Manual Integration Approval Summary

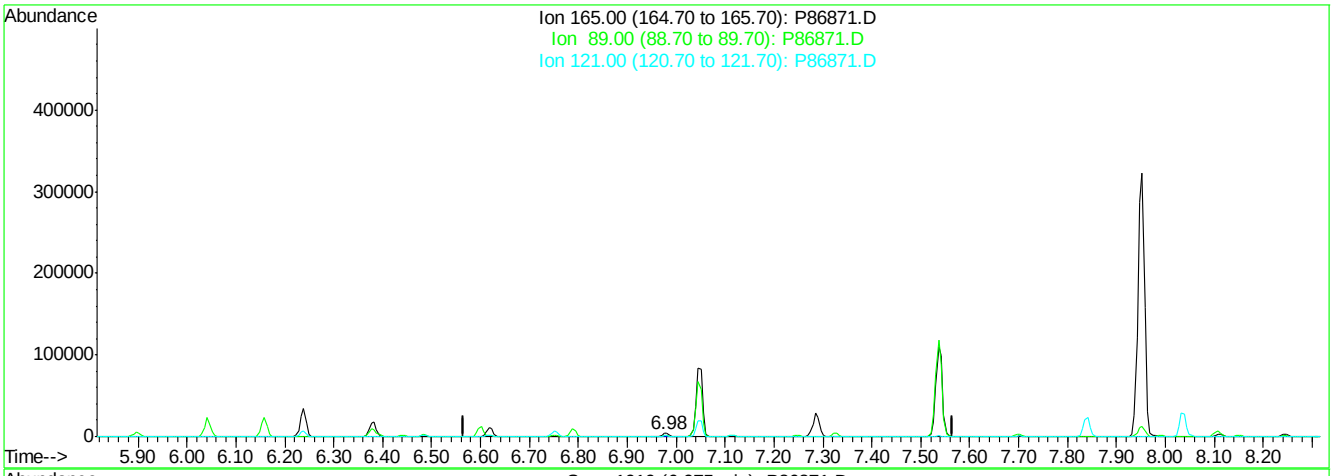
Sample Number:	EP3699-CC3684	**Method:**	SW846 8270D
Lab FileID:	P86871.D	**Analyst approved:**	07/02/14 10:36 Kristi Schollenberger
Injection Time:	06/30/14 14:09	**Supervisor approved:**	07/02/14 12:45 Nina Pandya

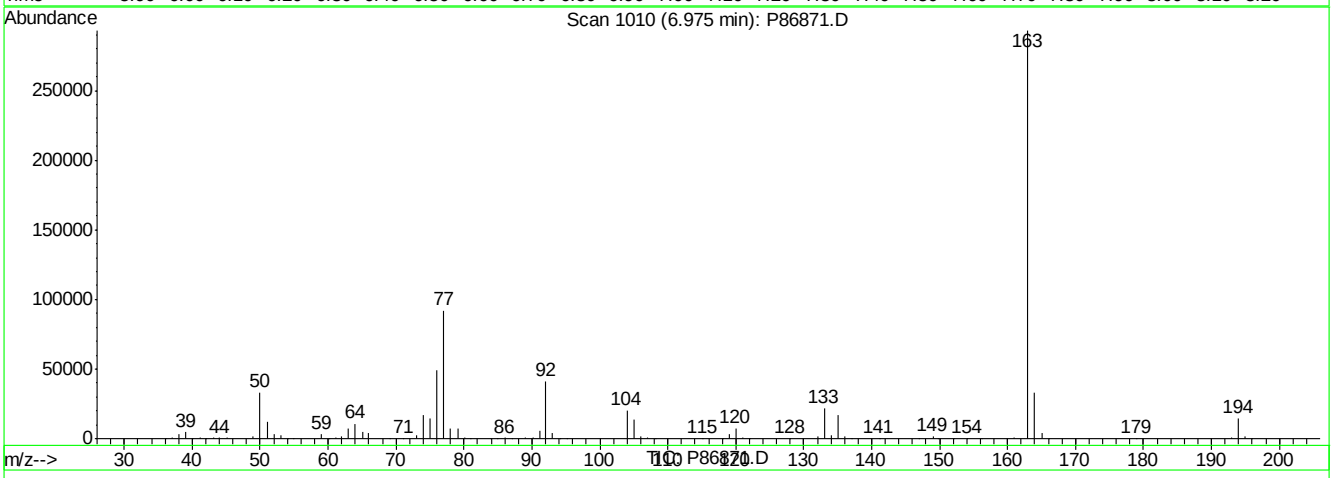
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,6-Dinitrotoluene	606-20-2		7.04	Poor instrument integration

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86871.D Vial: 3
Acq On : 30 Jun 2014 2:09 pm Operator: harpreek
Sample : cc3684-50 Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 30 14:28 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration





(57) 2,6-Dinitrotoluene (t)

6.98min 2.76ppb

response 3827

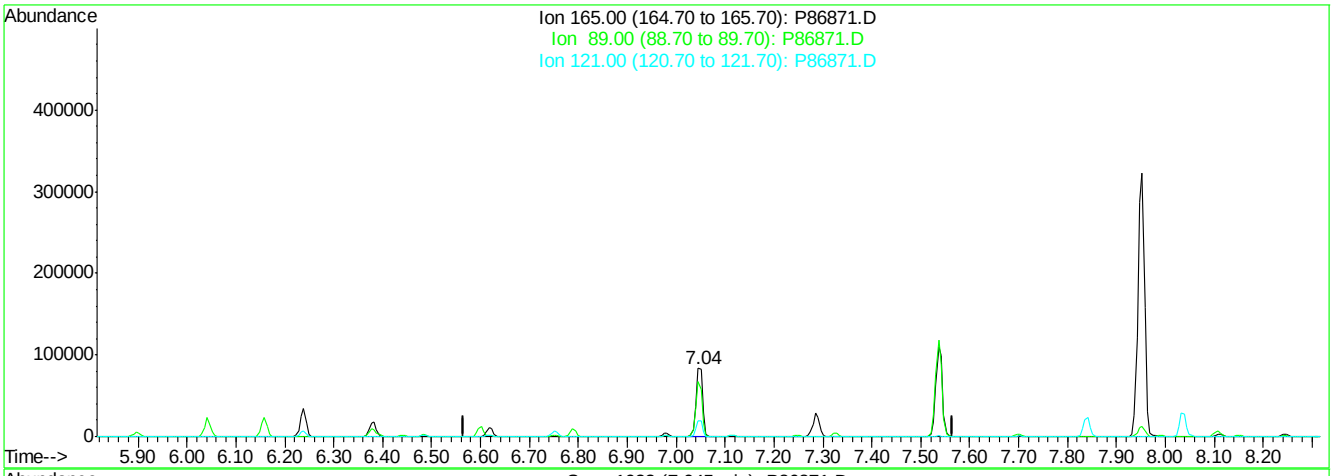
Ion	Exp%	Act%
165.00	100	100
89.00	49.40	21.37
121.00	18.40	26.29
0.00	0.00	0.00

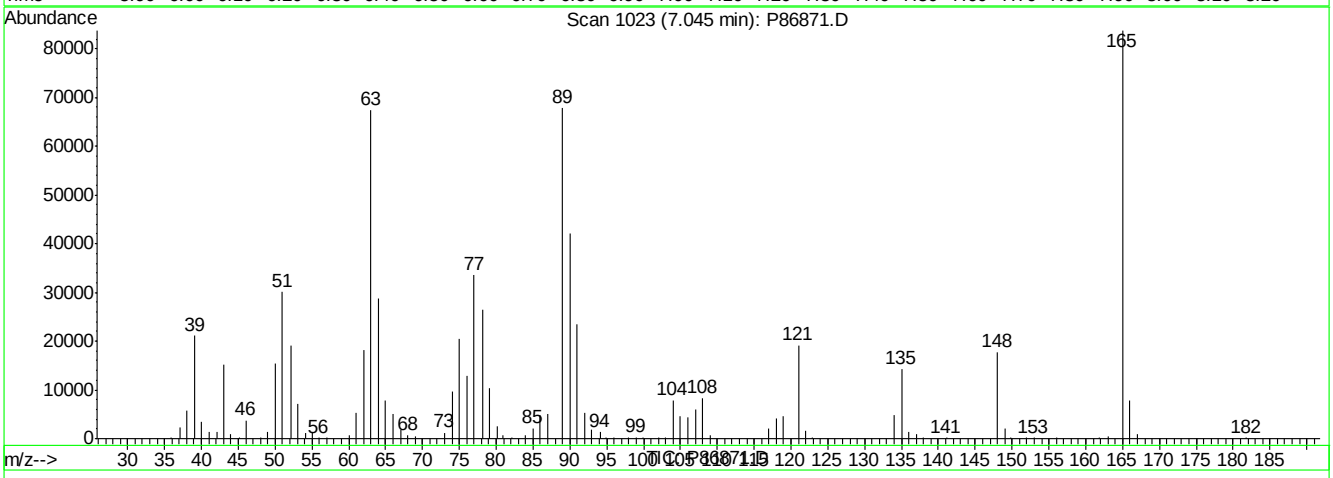
P86871.D MP3684.M Wed Jul 02 10:30:39 2014

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\EP3699\P86871.D Vial: 3
Acq On : 30 Jun 2014 2:09 pm Operator: harpreek
Sample : cc3684-50 Inst : MSP
Misc : op75641,ep3699,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jul 2 10:30 2014 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\MP3684.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Sun Jun 29 12:32:47 2014
Response via : Multiple Level Calibration





(57) 2,6-Dinitrotoluene (t)

7.04min 56.71ppb m

response 78641

Ion	Exp%	Act%
165.00	100	100
89.00	49.40	80.93#
121.00	18.40	22.82
0.00	0.00	0.00

P86871.D MP3684.M Wed Jul 02 10:30:47 2014

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2647

Date: 6-4-14

Analyst Signature: QA

Standard Data

Lot #	Description	Conc.
SV141362	136 ABN TC42	50/5
	↓ ↓	20/5
		10/5
CN2933	IS	40/5
SHL847	Surr Mix	—

Standard Data

Lot #	Description	Conc.
SV141362	119 8270	50/5
	136 ABN TC42	100/5
		80/5
		50/5
		25/5
		10/5

Columns: RTX-5ms 30m x 0.25mm

Method 8270/625

Initial Cal. Method E3E2646

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: A Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3E61402	8270			W	1					OK	9:24 PM
	61403	IC2647-100		TC42		10					OK	
	61404	IC2647-80				11					OK	
	61405	IC2647-50				12					OK	
	61406	IC2647-25				13					OK	
	61407	IC2647-10				14					OK	
	61408	IC2647-5				15					OK	
	61409	IC2647-2				16					OK	
	61410	IC2647-1				17					OK	
	61411	ICV2646-50		acids		18					RR	#31,60↓ OP141177-88
	61412	ICV2646-50		BN1		19					OK	-17
	61413	ICV2646-50		BN2		20					RR	#40,41↓ -57
	61414	ICV2646-50		ABN Surr		21					OK	-33
	61415	ICV2646-50		anilines		22					OK	-61
	61416	ICV2646-50		benzdn		23					OK	SV141362-72B
	61417	ICV2647-50		HQ		24					OK	OP141130-191

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.

95

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

9.7.1

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2648

Date: 6-5-14

Analyst Signature: OA

Standard Data

Lot #	Description	Conc:

Standard Data

Lot #	Description	Conc.
SU14362-119	DFTPP	SDG
CLC2933	IS	40ng/µl
CLC947	Decafluorobiphenyl	

Columns: RTX-5MS 30m x 0.25mm x 0.25µm

Method 8270/625

Initial Cal. Method E3E2646

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: AS Date: 6-6-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	E61418	DFTPP			W	1					VG	pcp↑, reinstall
	61419	DFTPP				1					failed	68↑, reinject
	61420	DFTPP				1					ok	12:24 pm
	61421	ICV2646-50		acids		2					ok	OP14177-88
	61422	ICV2646-50		BN2		3					ok	-63

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.

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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

9.7.2 9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2680

Analyst Signature: AMD

Date: 6/26/14

Columns: RTx5MSi30mx25mmx.25µm

Method 8270/625

Initial Cal. Method M3E2684(80) AMD 6/26/14

Injection Volume: µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV19136219	DFTPP	50ppm
IC2933	Internal Std.	1000ppm
DC779	DCM(HW)	

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: 6/26/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E2566	DFTPP				1					not using	
	67	DFTPP				1						
	68	DFTPP				1						
	69	DFTPP				1						
	70	CC26625		BNA	W	2						CC no good target not rec
	71	DFTPP				1					all	7:46 pm
	72	IC2680-1.0		BNA	W	2					all	SV1614923C
	73	-2.0				3					all	SV1614923D
	74	-5.0				4					all	SV1614923E
	75	-10				5					all	SV1614923C
	76	-80				6					all	SV1614923B
	77	-100				7					all	SV1614923A
	78	IC2680-50				8					all	SV1614923A
	79	IC2680-25				9					all	SV1614923B

6/27/14

MTX = Matrix. Designate W for water, S for soil, O for oil. L+ =Library Search. IS = Internal Standard Area. SU = Surrogate.

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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

9.7.3 9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2681

Date: 6/27/14

Analyst Signature:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
~~SHH362119~~	DFTPP	50ppm
~~CL2933~~	Int-Std.	400ppm
~~DK774~~	Dem (Hex)	–

Columns: 7TX-5MS; 30m x .25mm x .25µm

Method 8270 / 625

Initial Cal. Method M3E2680

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: Date: 6.27.14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E62580	DFTPP				1					Not run	Plunger error, RR
	62581	DFTPP				1					all	9.10 ok
	82	ICV2650-50		Acid		2					ok	0P14117012J
	83	-50		BN		3					Not run	0P14117211B Acenaphthylene
	84	-50		BNA		4					ok	0P14117211D
	85	-50		Aniline		5					ok	0P14117211I
	86	-50		ABN surr		6					ok	0P14117211J
	87	-50		Benzidine		7					ok	SV14141944A
	3E62588	ICV2650-50		BNA	W	8					ok	0P14-102-118

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.

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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

9.7.4

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2692

Date: 07/05/2014

Analyst Signature: [signature]

Columns: RTX-5MS 30M x .25mm x .25u

Method 8270/625

Initial Cal. Method M3E2680

Injection Volume: 1 µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362114	DFTPP	50PPM
SV141362110B	BNA	25PPM
SV141419-SB	TCL42	25PPM
Cl49935	IS	4000
BLC494	8CLL Mix	—

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: 7-7-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E62847	DFTPP			W	1					Not using	PCP↑ Reinject
	62848	DFTPP			W	1					ok	9.23avg
	62849	CC2680-25		BNA	W	2					ok	10, 48, 71, 93↓
	62850	CC2647-25		TCL42	W	3					ok	Nonlinear
	62851	BNA Verification			W	4					ok	SV141419-25B
	62852	MCCMS Lowest			W	5					ok	SV14-1415-SSB
R	62853	3669681	355351	Byte12	W	6		X	/	/	ok	
R	62854	-2				7		X	/	/	ok	
R	62855	-3				8		X	/	/	ok	
R	62856	-4				9			11.2 X		Not using	Reextract
R	62857	-5				10		X	/	/	ok	
R	62858	OP35535-MS				11			/	1X	ok	
R	62859	OP35535-MSD				12			/	1X	ok	
R	62860	OP35535-MB1		Byte12		13		X	/	/	ok	Run Before 3E62858
R	62861	3655626-B	355361	MCCMS		14			/	/	ok	
R	62862	-17				15			/	/	ok	
R	62863	-16				16			/	/	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.

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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

9.7.5

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3E2692

Date: 7/05/2014

Analyst Signature: NK

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	See page 63	

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M3E 2680

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to compl with the criteria of Accutest SOP EQA044.

Supervisor Signature: QA Date: 7-7-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3E62864	JB69926-14	75898	ABTCL20	S	17			/	/	dk	
	62865	JB69926-15	75898			18			/	/	dk	
	62866	JB69926-16	75898	ABTCL20		19			/	/	dk	
	62867	JB69931	75898	ABTCL20+		20		X	/	/	dk	
	62868	JB68868-1R	75859	ABTCL11+		21		X	/	/	dk	
	62869	JB68868-3R				22		X	/	/	dk	
	62870	JB68868-5R				23		X	/	/	dk	
	62871	JB68868-8R				24			45%		not using	RLIS due to matrix int
	62872	JB68868-10R	75859		S	25			45%		not using	RLIS for matrix interference
	62873	JB70480-1	76043	ABTCL11+	S	26	2		/		dk	dks 8:20PM
	62874	JB70478-1			S	27	2				not using	dks 8:47PM out of clock limits
	62875	JB70475-1			S	28	2				not using	dks 9:13PM

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.

65

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

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1389

Date: 6/6/14

Analyst Signature: Sam D Patel

Columns: RTXSms1 30m x .25mm x .25 µm

Method 8270/625

Initial Cal. Method MSP1389

Injection Volume: 1 µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621 19	DFTPP	50 ppm
SV1413621 15A	BNA	100 ppm
SV1413621 16B	BNA	1 ppm
CK2933	Internal Standard	4000 ppm
DK517	DCM (HW)	✓

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: OA

Date: 6-10-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P32431	DFTPP			W	1					not using	↑PCP tailing – Reinstall
	432	DFTPP			W	1					not using	↑PCP tailing – Reinstall
	433	DFTPP			W	1					OK	2:00 PM
	434	IC 1389 – 100		BNA	W	2					✓	SV1413621 15A
	435	IC 1389-1.0			W	3					✓	SV1413621 16B
	436	IC 1389-80			W	4					✓	SV1413621 15B
	437	IC 1389-50			W	5					✓	SV1414191 2A
	438	IC 1389-25			W	6					✓	SV1414191 2B
	439	IC 1389-10			W	7					✓	SV1413621 15E
	440	IC 1389-2			W	8					✓	SV1413621 16C
	441	IC 1389-5			W	9					✓	SV1413621 15F

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.

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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

9.7.6

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1390

Date: 6/6/14

Analyst Signature: Jamie Patel

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362119	DETPP	50 ppm
LK2933	Internal Standard	1000ppm
DK547	DCM (HW)	

Columns: RTXSMSi 30m x .25mm x .25 µm

Method 8270/625

Initial Cal. Method M3P1389

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: 6/10/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P32442	DETPP			W	1						6:28pm
	443	IC1390-100		TCLA2	W	~~7~~ 10						SV141362 136A sp 6/6/14
	444	IC1390-80			W	~~8~~ 11						SV141362 136B
	445	IC1390-50			W	12						SV141362 80C
	446	IC1390-25			W	13						SV141362 80D
	447	IC1390-10			W	14						SV141362 136E
	448	IC1390-5			W	15						SV141362 136F
	449	IC1390-2			W	16						SV141362 136G
	450	IC1390-1			W	17						SV141362 136H
sp 6/6/14	451	ICV 1389 ~~1390~~ 50	Acid		W	18						OP sp 6/9/14 SV141177 88
	452	ICV 1389 ~~1390~~ 50	BN1		W	19						SV OP141177-17
	453	ICV 1389 ~~1390~~ 50	BN2		W	20						OP141177-63
	454	ICV 1389 ~~1390~~ 50	Surrogate		W	21						OP141177 33
	455	ICV 1389 ~~1390~~ 50	Aniline		W	22						OP14117761
	456	ICV 1389 ~~1390~~ 50	Benzidine 3rd Source		W	23						SV141362 72B
	457	ICV 1390-50	HQ 2nd Source		W	24						OP141130141

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.

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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

9.7.7

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1392

Date: 6/9/14

Analyst Signature: Samir Patel

Columns: RTXSmSi 30mx.25mm x.25µm

Method 8270/625

Initial Cal. Method M3P1389

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SVH1362119	DFTPP	50ppm
UC2933	Internal Standard	4000 ppm
DK547	DCM (HW)	—

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: 6/9/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P32485	DFTPP			W	1					not using	↑ PCP tailing – Reinject
	486	DFTPP			W	1					not using	↑ PCP tailing – Reinstall
	487	DFTPP			W	1					not using	↑ PCP tailing – Reinstall
	488	DFTPP			W	1					OK	10:49 AM
	489	ICV1389-50		Acid Spike	W	2			-		OK	OP 14 117788
	490	ICV1389-50		BN2	W	3					not using	OP SP6/9/14 SVH4 117743 – Not needed

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.

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

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9.7.8

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1414

Date: 6/29/14

Analyst Signature: AHO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1136148	DFTPP	50ppm
SV1136148	BNA	50ppm
DL774	DCB CHW	
CC2933	Intenal Std.	4000ppm

Columns: RTX5MS30mx25mmx25µm

Method 8270/625

Initial Cal. Method M3P1389

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: 6.26.14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P33093	DFTPP				1					OK	7:45 PM
	33094	CC138950		BNA	W	2					OK	pahonly--
	95	op75725-mb1	757254	B8270	S	3			✓	✓	OK	
	96	-bs1				4			✓	✓	OK	
	97	op75899-mb1	758971	B8270	S	5			✓	✓	OK	
	98	-bs1				6			✓	✓	OK	
	99	op75725-ms	757254	B8270	S	7			✓	✓	OK	
	3P33100A	-msd				8			✓	✓	OK	Keran as A file instrum fwrya
	01	JB69291-5		XH QC link		9			✓	✓	OK	RR 1:20 xh
	02	JB69305-1		STAR		10			✓	✓	OK	
	03	-2				11			✓	✓	OK	
	04	-3				12			✓	✓	OK	
	05	JB69309-1		PAH		13			✓	✓	OK	
	06	-2				14			✓	✓	OK	
	07	-3				15			✓	✓	OK	
	08	-4				16			✓	✓	OK	
	09	-5				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.

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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

9.7.9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1414

Date: 6/24/14

Analyst Signature: AMD

Columns: RTX5MS30mx25mmx25µm

Method 8270/625

Initial Cal. Method M3P1389

Injection Volume: 1µL

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	see page 57	

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: 6/26/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P33110	JB69309-6	757151	PAH	S	18			/	-	OK	
	11	OP75897-ms	758971	B8270	S	19			/	-	OK	
	12	-msd				20			/	-	OK	
	13	JB69716-2		PAH		21			/	-	OK	
	14	-3				22			/	-	OK	
	15	-4				23			/	-	OK	
	16	-5				24			/	-	OK	
	17	-6				25			/	-	OK	
	18	-7				26			/	-	OK	
	19	-8				27			/	-	OK	7:41 AM
	20	-9				28			/	-	RR	out of clock time-12hr
	21	-10				29			/	-	RR	out of 12hr clock time
	22	JB69613-1AFX	75823-1	ACENAPHTHYLENE BZ(B)FLUORANTHENE	S	30			/	-	RR	out of 12 hr clock time

SP

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.

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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

9.7.9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1427

Date: 7/02/14

Analyst Signature: AMO

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SIA136119	DFTPP	50ppm
CLC2933	Internal Std.	40000ppm
DL774	DCMCHLN	—

Columns: RTX5MS30m x 25mm x 25µm

Method 8270/625

Initial Cal. Method M3PN 1427 MAO7/2④

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: 7-3-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P33387	DFTPP				1					not using	lost bake in/cal
	33388	DFTPP				1					OK	4:56 PM
	389	ICC1427-50		BNA	W	2					OK	SV1414194 6A
	390	ICA2725				3					OK	SV1414194 6B
	391	-100				4					OK	SV141419 32A
	392	-80				5					OK	SV141419 32B SP 7/3/14
	393	-10				6					OK	SV141419 32F
	394	-5				7					OK	SV141419 32E
	395	-2				8					OK	SV141419 33D
	396	-1				9					OK	SV141433C
	397	ICV1427-50		Acid		10	n SP 7/3/14				not using OK	OP141177112 RR for 2 dimethylphe
	398	-50		Anilines		11					OK	OP141177123
	399	-50		BN1		12					OK	OP141177118
312 ④	3400	-50		BN2		13					OK	OP141177110
	401	-50		ABNSurr		14					OK	OP141177117
	402	-50		benzidine		15					OK	SV141419 44A
	403	acetone				16					OK	141495 extractions test

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.

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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

9.7.10

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1428

Date: 7/3/14

Analyst Signature: Jamila Patel

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SM413162119	DFTPP	50ppm

Columns: RTX5MS 30m x .25mm x .25µ

Method 8270/625

Initial Cal. Method M3P1427

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: 7-3-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P33407	DFTPP			W	1					OK	11:02AM
	408	icv1427-50		Acid Spike	W	2					OK	OP141177121

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.

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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

9.7.11

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1436

Date: 7/9/14

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SVA1362119	DFTPP	50ppm
SVA1419416A	BNA	50ppm
SVA1419919A	TCL42	50ppm
CK2933	Internal Standard	4000ppm
DK494	DCM(HCl)	—

sp 7/9/14

Columns: RTXSMSI 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method M3P1427

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: 7/10/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	CALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P33580	DFTPP			W	1					not using	↑PCP tailing-Reinstall
	581	DFTPP			W	1						↑PCP tailing-Reinstall
	582	DFTPP			W	1						↑PCP tailing- Reinject
	583	DFTPP			W	1						↑PCP tailing-Reinject
	584	DFTPP		-	W	1					OK	2:26PM
	585	CC1427-50		BNA	W	2					ok	
	586	CC1390-50		TCL42	W	3					ok	benzaldehyde, benzoic acid
	587	TCL42 ccs.				4					ok	
	588	JB70162-6	76218	PAH+2mp	W	5	10		/	1x	ok	
	589	JB70168 -4		ABN Cl*		6	10		/	1x	ok	
	590	-1				7	5		/	/	ok	
	591	-1				8	25		/	/	ok	
	592	-2				9	5		/	/	ok	Diluted due to matrix interference
	593	-2				10	100		/	/	ok	RR 1:500
	594	-7				11	5		1x	/	ok	Diluted due to matrix interference RR 1:200
	595	-7				12	100		/		Not using	not high enough
	596	-8				13	20		1x		Not using	not high enough RR 1:200 or 40X

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.

139

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

9.7.12

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P 1436

Date: 7-9-14

Analyst Signature: SAS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surr 139	

Columns: RTx5ms\30up25u, 25m

Method 8270/625

Initial Cal. Method m3P1427

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: 7-10-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P33597	JB69291-20R	75725	PAH	S	14			✓	✓	ok	
	598	-21R				15			✓	✓	ok	Reinjection
	599	-22R				16			✓	✓	ok	
	600	JB69926-1	75897	PAH		17			✓	✓	ok	
	601	JB69926-1				18	20		✓		Not Using	not needed
	602	JB68797-1	75973	3SC+HG		19	10		✓		Not Using	10.21 pm Reinjection
	603	DCM FA		14129-9		20					not Run	custom Sequence
	604	Acetone		141495		21					↓	↓
	605	BB1	9141219-12			22			✓			seen before.

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.

141

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

9.7.12

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3P1448

Date: 7/11/14

Analyst Signature: SW

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1414119	DFTPP	50 ppm
SV1414119-16	BNA	50 ppm
SV1414119-19	TCL42	
CK2933	Internal std	4000 ppm
DK4994	DCM (HW)	—

Columns: RTx 5ms x 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method M3P1427

Injection Volume: 1 ul

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: 7/12/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P33701	DFTPP			W	1					OK	342pm
	702	CC1427-50			W	2					not using	ran under wrong method
	703	CC1427-50				2					not Ran	Rebake
	703A	CC1427-SU				2					OK	
	704	CC1390-50				3					OK	
	705	TCL42ver				4					OK	
	706	TCDD				5					OK	IC1442-5
	707	op76318-mb1	76318	625 ABN	W	6			U		RR/OK	ER
	708	=BS1				7			\	\	OK	
	709	JB68797-1	75973	ABSLT+HQ	W	8	10		\	↑	OK	
	710	JB71073-1	76295	ABSLT+HQ	S	9	5		\	\	OK	
	711	JB70934-11		nop		10	10		\	\	OK	
	712	JB69926-2	75897	PAH	S	11			\	\	OK	
	713	-3				12			\	\	OK	
	714	-4				13			\	\	OK	
	715	-5				14			\	\	OK	
	716	-6				15			\	\	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.

159

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

9.7.13

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1448

Date: 7-11-14

Analyst Signature: AS 7-11-14

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
	Surr. 1&2	

Columns: RTX5ms 30m, .25m, .25

Method 8270/625

Initial Cal. Method M3P1427

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: 7/24

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	3P33717	JB69926-7	75897	PAH	S	16			\	\	OK	
	718	-8				17			\	\	OK	
	719	-9				18			\	\	OK	
	720	JB70874-1	76267	ABTCL11+	S	19		+	\	DBP ↓	OK	1143pm
	721	-6				20		+	\	TBP ↓	OK	
	722	JB69312-1R		ABTCL20		21		+	\	↑	OK	RR for CPS. 6-25
	723	JB70776-1	76722	BIS 2E	W	22			\	\	OK	
	724	-2				23			\	\	OK	
	725	JB70807-1		BTCL11+		24		+	\	\	OK	
	726	JB70854-3AB		ABPPL+BIS2E		25		+	\	↓	OK	Resp no acid surr. Spiked
	727	JB70953-3		AS 7-7-14 XBSC+		26		+	\	\	OK	
	728	-4				27		+	\	\	OK	
	729	-5				28		+	\	\	OK	
	730	JB71235-1	76318	BPPL+Dox		29			\	\	OK	
	731	JB71212-1 JB71184-2 AS 7-7-14		ABPL ABSC AS 7-11-14		30			\	\	OK	
	732	JB71197-1		ABSC 625 ABN		31			\	\	OK	
	733	3P76318-MS				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.

161

ll 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

orm: OR015-05
ev. Date: 1/16/2006

9.7.13

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: E3P1448 (As 7-11-14 @)

Date: 7-11-14

Analyst Signature: AS

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Surr 159	

Columns: RTX-5ms i 30m .25mm .25um

Method 8270/625

Initial Cal. Method M3P1427

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: 7/27/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	3P33734	OP76318-MSD	76318	ABN625	W	33			\	\	OK	625
	735	JB71197-2		ABSL		34			\	\	OK	
	736	-3		ABSC		35			\	\	OK	ND
	737	-4				36			\	\	OK	ND
	738	-7				37			\	\	OK	
	739	JB71072-1		2,4DMP+Nap		38			\	\	OK	
	740	-6				39			\	\	OK	
	741	JB71104-2 JB71212 (As 7-11-14 @)		ABSC		40			\	\	OK	Rep 7-12-14
	742	JB71144-2		BSC		41			\	\	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.

163

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

9.7.13

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4300

Date: 6-12-13

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SU141419	23F BNA	5 PPM
SU141362	138A BNA	50 PPM
	138D BNA	80 PPM
CH2933	IS	4000PPM
DN547	PCM (HW)	-

Standard Data

Lot #	Description	Conc.
SU141362	119 DFTPP	50ppm
SU141419	23A BNA	100 ppm
	23B	80PPM
	23C	10PPM
	23D BNA	2PPM
	23E BNA	1PPM

Columns: RTxSMS30mx.25mmx.25um

Method 8270/625

Initial Cal. Method mm4300

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: DA

Date: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	m105034	DFTPP			W	1					~~Bad m~~ not use	Bad integ
	35	DFTPP				1					OK	9:52AM
	36	IC4300-100				2					OK	
	37	-1				3					OK	
	38	-80				4					OK	
	39	-50				5					OK	
	40	-25				6					OK	
	41	-10				7					OK	
	42	-5				8					OK	
	m1050 43	-2				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.

175

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

9.7.14

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4301

Date: 6-12-13

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.
SU141362	136F TCL42	5PPM
	136G	2PPM
	136H	1 PPM
CK2933	IS	40000
DK597	DCBB kits	—

Standard Data

Lot #	Description	Conc.
SU141362	119 DFTPP	50PPM
	136A TCL42	100PPM
	136B	80 PPM
	137B	50 PPM
	137D	25 PPM
	136E	10PPM

Columns: RTX5MS 30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method mm4300

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: OA

Date: 6-13-13

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	m105044	DFTPP			W	1					no Data	
	45	DFTPP				1					OK	2:35 PM
	46	IC4301-100		TCL42		2					OK	
	47	-80				3					OK	
	48	-50				4					OK	
	49	-25				5					OK	
	50	-10				6					OK	
	51	-5				7					OK	
	52	-2				8					OK	
	53	-1				9					OK	
	54	IC4300-50		BH1		10					OK	OP141177I7
	55	-50		BH2		11					OK	OP141177I42
	56	-50		ABHSVR		12					OK	OP141177I33
	57	-50		Aniline		13					OK	OP141177I61
	58	-50		Acid		14					not using	OP141177I88 (Acid Failed 10VH #60)
	59	-50		Benzene		15					OK	SU141362428
	m105060	-50		HQ		16					OK	OP141180141

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.

177

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

9.7.15

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EM4302

Date: 6-13-13

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU141361119	DFTPP	50ppm
PR5147	DCM	NW
CH2933	IS	40000ppm

Columns: RTX5MS30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MM4302

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: 6-13-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	M105061	DFTPP			W	1					OK	8:56 AM
	62	ICV4300-50		Acid		2					not used	OP141177112, Retuned #162 Area %
	63	DFTPP				1					OK	9:39 AM
	64	ICV4300-50		Acid		2					OK	OP141177112

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.

179

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

9.7.16

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: Em4334

Date: 7-3-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SU141361	119 DFTPP	50PPM
SU141119	36A BHA	50PPM
	41B ATCLH2	50PPM
	SP3-14	
CH2933	IS	4000PPM
DH401	DCM CHW	-

Columns: RTX5MS 30M X .25MM X .25

Method 8270/625

Initial Cal. Method mm4300

Injection Volume: 1µl

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to compl with the criteria of Accutest SOP EQA044.

Supervisor Signature: [signature]

Date: 7-8-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	m1059 77	DFTPP				1					OK	8:29 AM
	78	CC4300-50		BHA		2					OK	
	79	CC4301-50		TCLH2		3					OK	
	80	OP75936-mb1	75936-1	ABN+	W	4		+	-	-	OK	
	81	-BS1				5			-	-	OK	
	82	JB70291-3	76009	PAH	S	6	20		-	-	OK	
	83	JB69806-1	75936	ABTCL20+	W	7		+	-	-	OK	
	84	-2				8		+	-	-	OK	
	85	-3				9		+	-	-	OK	
	86	-4				10		+	-	-	OK	
	87	-5				11		+	-	-	OK	
	88	-6				12		+	-	-	OK	
	89	-7				13		+	-	-	OK	
	90	JB69864-4A		ABTCL20+		14		+	-	-	OK	
	91	JB69864-1		ABHJTCLH	W	15		+	-	-	OK	
	92	-2				16		+	-	-	OK	
	m1059 93	-3				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.

97

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

9.7.17

6

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: Em4334

Date: 7-3-14

Analyst Signature: SP

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	SOP Page 97	

Columns: RTX-5MS 30m x .25mm ID x .25um

Method 8270/625

Initial Cal. Method m M4300

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: 7-5-14

TR	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	m105994	Jb64500-5R	75936-1	ABTCL20+	W	18			/	/	OK	
	95	Jb68927-7	75861-1	ABTCL11+	S	19			/	/	OK	Running for CPS
	96	-2R				20			/	/	OK	↓
	97	-6R				21	10		/	/	OK	
	98	Jb69926-11	75936	ABTCL20	W	22			/	/	OK	
	m105999	OP75936-MS				23			/	/	OK	
	m106000	-MSD				24			/	/	OK	
	01	OP76009-MS			S	25			/	/	OK	
	02	-MSD				26			/	/	OK	827ppm

1TX = 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.

99

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

9.7.17

6

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3684

Date: 6/20/14

Analyst Signature: dw

Columns: Rxi5sil30mx.25mmx.25um

Method 8270/625

Initial Cal. Method MP3684 dw 6/20/14

Injection Volume: 1ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV141362-19	DFTPP	50ppm
IC2933	Internal Std	400ppm
DK541	DCM (MW)	—

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: 6-23-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	P86509	DFTPP			W	1					Not Run	No bottle loaded
	P86510	DFTPP			W	1					ok	initial not given - Rebra
	P86511	DFTPP			W	1					Not using	PCP↑ Reinstall
	P86512	DFTPP			W	1					not using	PCP↑ change Spt Rebra
	~~P86513~~ P86525	DFTPP			W	1					OK	
	~~P86514~~ P86526	IC3684-100			W	2					Not Surv	Not linear - Chg method SV141419.32A Rebra
	~~P86515~~ P86527	IC3684-1			W	3					↓	SV141419.33C
	~~P86516~~ P86528	IC3684-80			W	4					↓	SV141419.32B
	~~P86517~~ P86529	IC3684-2			W	5					Not Run	SV141419.33D Spare not used
	~~P86518~~ P86530	DFTPP			W	1					Not Surv	ion Ratio out spec - Rebra
	P86519	DFTPP			W	1					ok	
	P86520	IC3684-100			W	2					Not Surv	Not linear Rebra
	P86521	IC3684-1			W	3					↓	↓
	P86522	DFTPP			W	1					OK	3:46pm
	P86523	IC3684-100		BNA	W	2					ok	SV141419-32A
	P86524	IC3684-1			W	3					ok	- 33C
	86525	IC3684-80				4					ok	- 32B

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.

41

ll 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

orm: OR015-05
ev. Date: 1/16/2006

9.7.18

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3684

Date: 6/20/14

Analyst Signature: SD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	8270 prog 41	

Columns: Rxi 5sil 30m x .25mm ID .25um

Method 8270/625

Initial Cal. Method MP3684

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: 6/23/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	P86526	IC3684-2		BNA		5					dl	SV1414I9-33D
	86527	ICC3684-50				6					dl	-32C
	86528	IC3684-5				7					dl	-32E
	86529	IC3684-25				8					dl	6/29/14 -32D
	86530	IC3684-10				9					dl	-32F

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.

43

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

9.7.18

9

ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3685

Date: 6/20/14

Analyst Signature: SW

Standard Data

Lot #	Description	Conc.
SV141419-34A	TCL42	100ppm
-34B		80ppm
-34C		50 ppm
-34D		25ppm
-34E		10ppm
-34F		5ppm

Standard Data

Lot #	Description	Conc.
SV141302-19	DFTPP	50ppm
SV141419-34G	TCL42	2 ppm
-34H	TCL42	1ppm
CC2933	Internal std	4000ppm
DC547	DCM (HW)	-

Columns: Rxi5sil 30m x .25mm x .25um

Method 8270/625

Initial Cal. Method MP3684

Injection Volume: 1 ul

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: 6-23-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	P86531	DFTPP			W	1					ok	7:33pm
	86532	IC3685-100		TCL42		10					ok	
	86533	IC3685-80				11					ok	
	86534	IC3685-50				12					ok	
	86535	IC3685-25		-		13					ok	
	86536	IC3685-10				14					ok	
	86537	IC3685-5				15					ok	
	86538	IC3685-2				16					ok	
	86539	IC3685-1				17					ok	
	86540	ICV3684-50		acid		18					ok	OP14-1130-83
	86541	ICV3684-50		BN1		19					ok	OP14-1177-17
	86542	ICV3684-50		BN2		20					ok	OP14117742
	86543	ICV3684-50		ABN surr.		21					Not sig	14117717 No Hexal
	86544	ICV3684-50		aniline		22					Not sig	14117711 No Hexal
	86545	ICV3684-50		benzidene		23					ok	
	86546	ICV3684-50		hydroquinone		24					Not sig	14113014) No Hexal

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.

45

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

9.7.19

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3687

Date: 6-21-14

Analyst Signature:

Columns: Rtx-5ms 30m x .25mm x .25u

Method: 8270D/625

Initial Cal. Method: EP3684

Injection Volume: 1.0

Standard Data		
Lot #	Description	Conc.

Standard Data		
Lot #	Description	Conc.
[illegible]	DFTPP	50ppm

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: 6-23-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	P96570	DFTPP			W	1					lost	no bottle
	96571	DFTPP			W	1					Not Sig	low Rabs at passing Resp
	96572	DFTPP			W	1					ok	1:36PM
	96573	ICV3684-50	SVW		W	2					Not Sig	OP14-1177-117 Rick Low
	96574	ICV3684-50	Anilines		W	3					Not Sig	OP14-1177-111 Rick Low
	96575	ICV3684-50	SVW		W	4					ok	OP14-1177-33
	96576	ICV3684-50	BNI		W	5					ok Not Reqd	OP14-1177-72
	96577	ICV3684-50	Benzidine		W	6					ok Not Reqd	OP14-1362-72B

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.

51

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

9.7.20

9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3691

Date: 6/24/14

Analyst Signature: AMD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SM136219	DFTPP	50ppm
SM136218	BWD	25ppm
SM136290	TCL12	25ppm
C162933	Internal Std.	40000ppm
DL779	DCM (HW)	—

Columns: 2x15s/130m x 25mm x .25µm

Method 8270/625 AMD 6/24 @

Initial Cal. Method MBP3684

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: _____ Date: 6/26/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	P86638	DFTPP				1					not using	not ran instrument stopped
	86639	DFTPP				1					ok	7:32 pm
	86690	cc3684-25		BMA	W	2					ok	
	86691	CC3685-25		TCL12	W	3					ok	
	86692	ben-qlc-nov14		verification	W	4					ok	1ppm
	43	op75840mb1	758401	AB8270	S	5		x	/	/	ok	
	44	-bs1			AMD 6/24 @	6			/	/	ok	
	45	op75898-mb1	758984	AB8270	S	7		x	/	/	ok	
	46	-bs1				8			/	/	ok	
	47	JB69624-14	X	PN		9			/	1x	ok	RL:100
	48	-15				10			/	2x	ok	RL:10
	49	JB69569-16		BSL		11			/	/	ok	
	50	JB69578-4	758401	ABTCL20t	S	12		x	/	/	ok	
	51	-5				13		x	/	/	ok	
	52	JB69681-2		ABTCL20t		14		x	/	/	ok	
	53	JB69818-5		ABTCL20t		15		x	/	/	ok	
	54	-10				16		x	/	/	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.

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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

9.7.21

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ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3691

Date: 6/24/19

Analyst Signature: AMD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
	Secpage 625	

Columns: RTX-5Si 30m x 25mm x 25µm

Method 8270/625

Initial Cal. Method MP3689

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: 6/26/19

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	P86655	JB69818-15	758401	ABTCW20t	S	17		✓	✓	✓	d	
	56	JB69816-5		BSL		18			✓	✓	d	
	57	-6				19			✓	✓	d	
	58	-10				20			✓	✓	d	
	59	-11				21			✓	✓	d	
	60	JB69578-10		ABTCW20t		22		✓	✓	✓	d	Vf=5mL
	61	JB69825-5		ABTCW20t		23		✓	✓	✓	d	
	62	JB69968-1		ABTCW20t		24		✓	✓	✓	d	
	63	-4				25		✓	✓	✓	d	Vf=10mL
	64	-5				26		✓	✓	✓	d	Vf=5mL 6:25am

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.

67

All strikeouts must be initialed, dated and reason code applied as follows:
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Form: OR015-05
Rev. Date: 1/16/2006

9.7.21

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3658

Date: 6-25-14

Analyst Signature:

Columns:

Method:

Initial Cal. Method:

Injection Volume:

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.

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:

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution.	L+	IS	SU	Status (Data)	Comments
	P66927	DFTPP			W	1						12:24 PM
	66928	CC3601-25			W	2						
	66929	CC3665-25			W	3						Brominat 12457CBT
	66930	Lcs/Lcsd/Mb			W	4						SUM-1415-35
	66931	OP57168-MS	57661	Brom	S	5		X	/	/		
	66932	365263-36		Brom		6		X	/	/		2
	66933	-37				7		X	/	/		
	66934	-40				8		X	/	/		10
	66935	-41				9		X	/	/		
	66936	-42				10		X	/	/		
	66937	-38				11		X	/	/		100
	66938	-39				12		X	/	/		50
	66939	365564		BSL		13			/	/		
	66940	-1				14			/	/		
	66941	-2				15			/	/		
	66942	-6				16			/	/		5
	66943	365554		Brom		17		X	/	/		

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.

93

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

9.7.22

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ACCUTEST

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3655

Date: 6-25-14

Analyst Signature:

Columns:

Method 8270D/625

Initial Cal. Method MP3654

Injection Volume: 1ul

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
EC0933	HTSL	various
IN0774	Restek	

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: 6/26/14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	EP3644	JB69555-6	355681	8270D	S	10			/		Not Reviewed	Run Cancelled
	EP3645	-8				6		/	/		ok	Reshot
	EP3646	JB69446-8	355651	SVOC	S	20			/	/	ok	
	EP3647	JB69312-4	355661	PAH	S	21			/	/	ok	
	EP3648	JB69446-4	355701	8270D	S	22		/	/	/	ok	
	EP3649	CP355401-5				23			/	/	ok	
	EP3650	CP355401-5MS				24			All /	/	ok	
	EP3651	JB69552-10	355681	PAH	S	25			All /	/	ok	RL's
	EP3652	CP355681-5		8270D		26			/	/	ok	
	EP3653	CP355681-5MSD				27			/	/	ok	
	EP3654	JB69446-3	355751	8270D	S	28			/		Not Reviewed	12.11am Reporter confirmation
	EP3655	CP355751-5		8270D		29			6/		Not Reviewed	12.36am Outside 12 hour
	EP3656	CP355751-5MS				30			/		↓	1:01am ↓
	EP3657	Condition			W	100						
	EP3658	Condition			W	100						

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.

95

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

ACCUTEST LABORATORIES JB69926

9.7.22 9

ACCUTEST.

SEMI-VOLATILE by GCMS ANALYSIS LOG

Batch ID: EP3699

Date: 06/30/2014

Analyst Signature: [signature]

Columns: RTX-5Sil-30m x .25mm x .25µm

Method 8270/625

Initial Cal. Method MP3684

Injection Volume: 1µl

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
SV1413621114	DFTPP	50ppm
SV1413650	BNA	50ppm
CC3633	Int Std	40ppm
DC774	Surr/Engwell	

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: 7-2-14

R	Data File	Sample ID	Ext. Batch	Test	MTX	ALS #	Dilution	L+	IS	SU	Status (Data)	Comments
	P86862	DFTPP			W	1					Not Using	Bad injection
	86863	DFTPP			W	1					Not Using	Not injected correctly. Reinjected
	86864	DFTPP			W	1						
	86865	DFTPP			W	1					✓	
	86866	CC3684-50			W	2					Not Using	Holdtime - Rule
	86867	DFTPP			W	1					Not Using	Ion Ratios not passing - Reject
	86868	DFTPP			W	1					Not Using	Ion Ratios not passing - Rule
	86869	DFTPP			W	1					✓	1.23 PM
	86870	CC3684-50			W	2					Not Using	Surrogate out of SV1413621118
	86871	CC3684-50			W	3					✓	DSC Undge
	86872	JB69566-6	75768	B&N PAH	S	4	5		1		✓	
	86873	JB69926-10	75898	PAH	S	5	5		1		✓	
	86874	OP75952-MB1	75952		S	6			1		Reference Only	Ran before 86872

1 TTX = 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.

97

All strikeouts must be initialed, dated and reason code applied as follows:
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Form: OR015-05
Rev. Date: 1/16/2006

9.7.23

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Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH # MS75897 | RACK# D-5

Date started: 06/24/14 Time started: 10:10am
Date finished: 06/24/14 Time finished: 1:20pm

EXTRACTION METHOD: (Check one): Microwave SW3546 ____ Sonication SW3550C ✓
Waste Dil. SW3580A ____ Soxhlet SW3540C ____

Sample #		Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt. (g)	Microwave ID	Decant Y	Decant N	Final Extract Color	Final Extract Vol(ml)	GPC Cleanup		Comments
	BS	ABN		Na_2SO_4	35.0				yellow	1			
JB69716-5	MS		1	Soil	34.4			✓	yellow	1			
	MSD		1	soil	33.7			✓	yellow	1			
MB1	BS			Na_2SO_4	35.0				clear	1			
	MS												
	MSD												
1 JB69716-2		ABN	1	Sand	32.1			✓	yellow	1			
2 -3			1	Mud Sand	31.3			✓	cloudy	1			
3 -4			1	Mud Sand	31.3			✓	gray	1			
4 -5			1	Soil	33.3			✓	yellow	1			
5 -6			1	Sand	33.3			✓	cream	1			
6 -7			1	Sand	31.2			✓	l.yellow	1			
7 -8			1	Sand	32.3			✓	brown	1			
8 -9			1	Sand	31.6			✓	d.brown	1			
9 -10			1	Sand	30.5			✓	brown	1			
10 -11			1	Rock Sand	31.3			✓	d.brown	1			
11 -12			1	Sand	30.1			✓	d.brown	1			
12 JB69926-1			1	Sand/Mud	33.6			✓	yellow	1			
13 -2			1	Sand	32.5			✓	yellow	1			
14 -3			1	Sand	31.3			✓	yellow	1			
15 -4			1	Sand	30.5			✓	yellow	1			
16 -5			1	Sand	30.7			✓	yellow	1			
17 -6			1	Sand	33.6			✓	brown	1			
18 -7			1	Sand	32.2			✓	brown	1			
19 -8			1	Sand	31.3			✓	yellow	1			
20 -9			1	Sand	30.6			✓	brown	1			

Ext By:	FT/SA
Conc By:	MS/AQ9
Vialed By:	AQ9
Relinquished by:	AQ9
Accepted by:	
Supervisor Review:	06/24/14

Equipment	ID	Temp	Pres
WaterBath	5	80C	
TurboVAP			
NEVAp	2	35C	
Balance		N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN OP	141177125	50	1

WITNESS SIGN: AQ9

MATRIX SPIKE	LOT #	Conc	Amt
Acid OP	141177125	50	1
Base #1 N,N Dimethylaniline	141177118	50	1
Base #2 OP	141177120	50	1
Aniline OP	141177123	50	1

WITNESS SIGN: AQ9

SOLVENT	LOT #	BRAND
1:1 MC/ ACE	DK74	JTB
METH CHLOR	DK774	JTB

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	FC070124	Fisher
HYDROMATRIX		

Comments:

Form: OP019X-01
Rev. Date: 04/09/13

See back for instructions

Accutest Laboratories

EXT-SO

ABN Extraction Log - Solids

BATCH# MS75898 | RACK# D-50

Date started: 06/24/14 Time started: 08:20am
Date finished: 06/24/14 Time finished: 11:10am

EXTRACTION METHOD: (Check one): Microwave SW3546 ____ Sonication SW3550C ✓
Waste Dil. SW3580A ____ Soxhlet SW3540C ____

Sample #	Analysis Type	Sample Bottle #	Sample Description	Sample Wet Wt. (g)	Microwave ID	Decant Y	Decant N	Final Extract Color	Final Extract Vol(ml)	GPC Cleanup	Comments
BS	HBN		Na_2SO_4	35.0				yellow	1		
JB69926-10 MS		1	soil	34.4			✓	brown	1		
MSD		1	soil	32.8			✓	brown	1		
MB1 BS			Na_2SO_4	35.0				clear	1		
MS											
MSD											
1 JB69926-10	HBN	1	soil	32.2			✓	brown	1		
2 -13		1	sandy soil	31.2			✓	yellow	1		
3 -14		1	soil	31.8			✓	brown	1		
4 -15		1	sandy soil	31.1			✓	brown	1		
5 -16		1	mud	33.0		✓		brown	1		
6 -17		1	soil/sand	32.3			✓	yellow	1		
7 -18		1	clay	32.3			✓	yellow	1		
8 JB69993-1		2	sandy soil	32.5			✓	brown	1		
9 JB69630-4AR x4		1	soil	34.3			✓	brown	1		
10 -5AR		1	mud	34.9			✓	black	5		*
11 -6AR		1	mud	32.1		X		brown	1		
12 -7AR		1	soil	31.8			✓	black	5		*
13 -8AR		1	soil	34.7			✓	black	5		*
14 -9AR		1	mud	34.1			✓	black	5		*
15 JB69569-16 RX		1	soil	33.6			✓	brown	1		
16 JB69624-14		2	crushed rock	33.9			✓	yellow	1		
17 -15		2	crushed rock	32.6			✓	yellow	1		
18											
19											
20											

Comments: * final extract volume raised to 5ml due to poor sample matrix

Ext By:	FN/SA
Conc By:	MS/AD9
Vialed By:	AD9
Relinquished by:	AD9
Accepted by:	
Supervisor Review:	6/24/14

Equipment	ID	Temp	Pres
WaterBath	5	80°C	
TurboVAP			
NEVAp	2	35°C	
Balance	B-76	N/A	N/A

SURROGATE	Lot #	Conc	Amt
ABN OP	14177124	50	1

WITNESS SIGN: FN

MATRIX SPIKE	LOT #	Conc	Amt
Acid OP	14177125	50	1
Base #1 2/0 Aniline	14177118	50	1
Base #2 OP	14177120	50	1
Aniline OP	14177123	50	1

WITNESS SIGN: FN

SOLVENT	LOT #	BRAND
1:1 MC/ACE	DK774/DK520	Hw
METH CHLOR	DK774	Hw

REAGENTS	LOT #	BRAND
SODIUM SULF.	136683	Fisher
FILTER PAPER	FC010424	Fisher
HYDROMATRIX		

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See back for instructions

Accutest Laboratories

EXT-AQ

Acid Base/Neutrals Extraction Log - Liquid

Date Started: 6/25/14 Time Started: 9:15A
Date Finished: 6/25/14 Time Finished: 3:30P

EXTRACT METHOD (check one): Sep Funnel SW 3510C / EPA 625 ✓ Cont Liq-Liq SW3520C_____

BATCH # MS75936 | RACK# C7

Ext By:	NG/RM/BJ/VP
Conc by:	SA/SH
Vialed by:	NG/SG
Relinquished by:	
Accepted by:	
Supervisor review:	7-10-14

Equipment	ID	Temp	Pres
Waterbath	2/3	80	N/A
NEVAP	1	35	
Turbo vap			
PowerVap			

Surrogate	Lot #	Conc	Amt
ABN Op	141177120	50	1
Anilines	141177111	50	1
Witness Sign:	BJ		

Matrix Spike	Lot #	Conc	Amt
Acid	141177125	50	1
Base #1	141177118	50	1
Base #2	141177129	50	1
Witness Sign:	BJ		
BSim	141177131	60	1

SOLVENT	Lot #	Brand	Amt
1:1 MC/Acetone			
MeCL2	DK774	Honeywell	@ 160

Reagent	Lot #	Brand
Sodium Sulfate	136683	Fisher
~~Filter Paper~~	7483	Certo
Hydromatrix		
NaOH	21121	BDH
H2SO4	140224	BDH

	Sample #	Analysis Type	Sample Bottle #	pH	Sample Description	Sample Volume (ml) Oil Wt (g)	pH Adjust (ml) <2 H2SO4	pH Adjust (ml) >11 NaOH	Final Extract Color	Final Extract Vol(ml)	Misc. GPC Cleanup	Misc.	Comments
	MB 1	ABN			DIH2O	1000	1	4	Clear	1			
	BS 1				DIH2O	1000	1	4	Yellow	1			
	JB69864-1 MS		1		Brown	490	~~490~~ 10	4	Yellow	1			1
	MSD		1		Brown	490	1	4	Yellow	1			
	BS 10	Bim			DIH2O	1000	1	4	L.Yellow	1			
	JB69864-2MS A		1		Brown	500	1	4	Yellow	1			
	1 MSD A		1		Brown	500	1	4	Yellow	1			
1	JB69806-1	ABN	2		Lt yellow	980	1	4	L.Yellow	1			
2	2		2		Lt yellow	1000	1	4	L.Yellow	1			
3	3		3		yellow	950	1	4	Yellow	1			
4	4		4		Lt yellow	960	1	4	L.Yellow	1			
5	5		2		clear	1000	1	4	Clear	1			
6	6		1		Lt yellow	940	1	4	Yellow	1			
7	7		4		clear	980	1	4	Clear	1			
8	JB69764-4A		1		clear	980	0	4	Clear	1			*
9	JB64500-S7		1		clear	100	1	4	Clear	1			.
10	JB69864-1		2		Brown	1000	1	4	Yellow	1			
11	2		2		Brown	890	1	4	Yellow	1			
12	3		1		clear	960	1	4	Clear	1			
13	JB69926-11		2		clear	930	1	4	Clear	1			
14	JB69964-1		1		Brown	970	1	4	yellow	5			Δ
15	2		2		Lt yellow	1000	1	4	Yellow	1			
16	3		1		Lt Brown	1000	1	4	L.Brown	1			
17	4		1		Lt Brown	1000	1	4	Yellow	1			
18	5		2		Lt yellow	1000	1	4	Yellow	1			
19	6		1		Lt yellow	1000	1	4	Yellow	1			
20	7		1		Lt Brown	1000	1	4	Yellow	1			

COMMENTS: * NO Non-preserved sample available.
Δ would not concentrate to 1mL

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See back for instructions

New Jersey ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:03	MA34296-STD1	1		STDA
10:09	MA34296-STD2	1		STDB
10:16	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:29	MA34296-ICV1	1		
10:35	MA34296-ICB1	1		
10:42	MA34296-CCV1	1		
10:48	MA34296-CCB1	1		
10:54	MA34296-CRID1	1		see rerun
11:00	MA34296-CRI1	1		
11:07	MA34296-CRIA1	1		
11:13	MA34296-CRID2	1		
11:19	MA34296-ICSA1	1		
11:25	MA34296-ICSAB1	1		
11:31	ZZZZZZ	1		
11:38	ZZZZZZ	1		
11:44	MA34296-CCV2	1		
11:50	MA34296-CCB2	1		
11:56	MP80139-MB1	1		
12:02	MP80139-LC1	1		
12:08	MP80139-S1	1		
12:15	MP80139-S2	1		
12:21	JB69115-5	1		(sample used for QC only; not part of login JB69926)
12:27	MP80139-SD1	5		
12:33	MP80139-S3	1		
12:39	MP80139-S4	1		
12:46	JB69115-5F	1		(sample used for QC only; not part of login JB69926)
12:52	MA34296-CCV3	1		
12:58	MA34296-CCB3	1		
13:05	MP80139-SD2	5		
13:11	MP80132-MB1	1		
13:17	MP80132-LC1	1		
13:23	MP80132-S1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:29	MP80132-S2	1		
13:35	JB69115-3	1		(sample used for QC only; not part of login JB69926)
13:42	MP80132-SD1	5		
13:48	MP80132-S3	1		
13:54	MP80132-S4	1		
14:00	MA34296-CCV4	1		
14:07	MA34296-CCB4	1		
14:13	JB69115-3F	1		(sample used for QC only; not part of login JB69926)
14:19	MP80132-SD2	5		
14:25	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:09	MA34296-CCV5	1		
15:15	MA34296-CCB5	1		
15:22	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:34	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:53	MA34296-CCV6	1		
15:59	MA34296-CCB6	1		
16:06	MA34296-CRI2	1		
16:12	MA34296-CRID3	1		tl out 2ppb
16:18	ZZZZZZ	1		
16:24	MA34296-ICSA2	1		
16:30	MA34296-ICSAB2	1		
16:37	MA34296-CCV7	1		
16:43	MA34296-CCB7	1		
16:49	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:55	ZZZZZZ	1		
17:01	ZZZZZZ	1		
17:08	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:20	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:32	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:45	MA34296-CCV8	1		
17:51	MA34296-CCB8	1		
17:57	MP80218-MB1	1		
18:03	MP80218-LC1	1		
18:09	ZZZZZZ	1		
18:15	ZZZZZZ	1		
18:22	ZZZZZZ	1		
18:28	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:46	JB69926-11	1		
---------->	Last reportable sample/prep for job JB69926			
18:52	MA34296-CCV9	1		
18:59	MA34296-CCB9	1		
19:05	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:17	ZZZZZZ	1		
19:23	MP80219-MB1	1		
19:29	MP80219-LC1	1		
19:35	MP80219-S1	1		
19:41	MP80219-S2	1		
19:47	JB69769-1	1		(sample used for QC only; not part of login JB69926)
19:54	MP80219-SD1	5		
20:00	MA34296-CCV10	1		
20:06	MA34296-CCB10	1		
20:12	MP80219-PS1	1		not needed.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:18	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:38	ZZZZZZ	1		
20:44	ZZZZZZ	1		
20:50	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:09	MA34296-CCV11	1		
21:15	MA34296-CCB11	1		
21:22	ZZZZZZ	1		
21:28	ZZZZZZ	1		
21:34	ZZZZZZ	1		
21:40	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:53	ZZZZZZ	1		
21:59	ZZZZZZ	1		
22:05	ZZZZZZ	1		
22:12	ZZZZZZ	2		
22:18	MA34296-CCV12	1		
22:25	MA34296-CCB12	1		
22:31	ZZZZZZ	2		
22:43	MA34296-CRID4	1		tl out 2ppb
22:49	MA34296-CRI3	1		
22:56	MA34296-CRID5	1		
23:02	MA34296-ICSA3	1		
23:08	MA34296-ICSAB3	1		
23:15	MA34296-CCV13	1		
23:21	MA34296-CCB13	1		
---------->	Last reportable CCB for job JB69926			
23:27	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:40	ZZZZZZ	1		
23:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:52	ZZZZZZ	1		
23:58	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:11	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:03	MA34296-STD1	3444 R	211010 R	49727 R	8902 R
10:09	MA34296-STD2	3282	192900	48927	8482
10:16	ZZZZZZ	3356	200910	49563	8617
10:22	ZZZZZZ	3479	210550	50242	8976
10:29	MA34296-ICV1	3354	201310	49443	8604
10:35	MA34296-ICB1	3486	215380	49599	8984
10:42	MA34296-CCV1	3356	200950	49539	8615
10:48	MA34296-CCB1	3488	211770	50207	9008
10:54	MA34296-CRID1	No results reported for the elements associated with this internal standard.			
11:00	MA34296-CRI1	3456	209530	49619	8904
11:07	MA34296-CRIA1	3482	212140	50239	8980
11:13	MA34296-CRID2	3472	210850	50672	8959
11:19	MA34296-ICSA1	3122	185370	48193	7909
11:25	MA34296-ICSAB1	3104	184150	48239	7895
11:31	ZZZZZZ	3449	207490	49403	9139
11:38	ZZZZZZ	3408	211520	50162	8957
11:44	MA34296-CCV2	3363	200600	49006	8641
11:50	MA34296-CCB2	3453	212090	49820	8916
11:56	MP80139-MB1	3482	212240	49867	9003
12:02	MP80139-LC1	3408	208650	49754	8808
12:08	MP80139-S1	3211	193510	48620	8094
12:15	MP80139-S2	3212	192970	48216	8101
12:21	JB69115-5	3239	195190	48463	8162
12:27	MP80139-SD1	3408	204800	49311	8739
12:33	MP80139-S3	3204	192440	47932	8078
12:39	MP80139-S4	3214	192580	48483	8107
12:46	JB69115-5F	3256	197930	47887	8200
12:52	MA34296-CCV3	3298	199040	48993	8487
12:58	MA34296-CCB3	3415	208160	48831	8818
13:05	MP80139-SD2	3371	200330	48985	8639
13:11	MP80132-MB1	3435	210220	49213	8890
13:17	MP80132-LC1	3361	209690	47869	8680
13:23	MP80132-S1	3186	192760	48844	8172

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:29	MP80132-S2	3194	193590	47506	8190
13:35	JB69115-3	3259	199330	47958	8379
13:42	MP80132-SD1	3374	205260	48493	8720
13:48	MP80132-S3	3220	194240	47846	8252
13:54	MP80132-S4	3238	197610	47328	8303
14:00	MA34296-CCV4	3302	198380	48565	8502
14:07	MA34296-CCB4	3421	208060	48869	8836
14:13	JB69115-3F	3288	203540	48195	8459
14:19	MP80132-SD2	3403	204370	49300	8798
14:25	ZZZZZZ	3280	200870	49400	8459
14:31	ZZZZZZ	3283	198860	48314	8413
14:38	ZZZZZZ	2932	174590	45028	7234
14:44	ZZZZZZ	2957	176350	46649	7309
14:50	ZZZZZZ	3300	200870	49246	8518
14:57	ZZZZZZ	3434	210070	50043	8877
15:03	ZZZZZZ	3315	201370	48672	8535
15:09	MA34296-CCV5	3325	198870	49051	8543
15:15	MA34296-CCB5	3448	210020	49910	8893
15:22	ZZZZZZ	3292	198690	48685	8440
15:28	ZZZZZZ	2930	173260	46338	7234
15:34	ZZZZZZ	2940	175660	46211	7251
15:41	ZZZZZZ	3310	202680	49632	8528
15:47	ZZZZZZ	3415	211840	50403	8832
15:53	MA34296-CCV6	3311	197690	49250	8520
15:59	MA34296-CCB6	3448	209940	49536	8882
16:06	MA34296-CRI2	3421	207030	49482	8823
16:12	MA34296-CRID3	3433	208390	49668	8855
16:18	ZZZZZZ	3436	208970	49530	8863
16:24	MA34296-ICSA2	3082	184780	47949	7818
16:30	MA34296-ICSAB2	3078	183480	47983	7833
16:37	MA34296-CCV7	3335	198840	48821	8568
16:43	MA34296-CCB7	3444	210280	48877	8899
16:49	ZZZZZZ	3427	210110	49605	8842

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:55	ZZZZZZ	3444	209820	49679	8884
17:01	ZZZZZZ	3454	210190	49344	8920
17:08	ZZZZZZ	3445	210680	49262	8900
17:14	ZZZZZZ	3447	210470	49442	8903
17:20	ZZZZZZ	3446	210150	49241	8900
17:26	ZZZZZZ	3449	210690	49578	8912
17:32	ZZZZZZ	3457	209040	49458	8927
17:38	ZZZZZZ	3421	210490	49020	8846
17:45	MA34296-CCV8	3337	200730	48690	8580
17:51	MA34296-CCB8	3442	209850	49484	8889
17:57	MP80218-MB1	3445	211890	50088	8918
18:03	MP80218-LC1	3392	208510	49636	8759
18:09	ZZZZZZ	3434	211620	49656	8892
18:15	ZZZZZZ	3444	211860	49741	8916
18:22	ZZZZZZ	3435	211390	49647	8892
18:28	ZZZZZZ	3433	208170	49424	8876
18:34	ZZZZZZ	3427	210220	49649	8851
18:40	ZZZZZZ	3433	210830	49792	8881
18:46	JB69926-11	3426	210890	49715	8855
18:52	MA34296-CCV9	3331	200480	49087	8577
18:59	MA34296-CCB9	3463	211190	49466	8938
19:05	ZZZZZZ	3429	212760	48382	8866
19:11	ZZZZZZ	3424	211770	49573	8863
19:17	ZZZZZZ	3431	211100	49397	8876
19:23	MP80219-MB1	3438	211770	49815	8891
19:29	MP80219-LC1	3383	207690	49604	8737
19:35	MP80219-S1	3353	204440	49300	8627
19:41	MP80219-S2	3357	199610	49030	8635
19:47	JB69769-1	3442	209710	49637	8904
19:54	MP80219-SD1	3451	208370	49311	8913
20:00	MA34296-CCV10	3341	199830	48822	8574
20:06	MA34296-CCB10	3454	211460	49047	8900
20:12	MP80219-PS1	No results reported for the elements associated with this internal standard.			

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:18	ZZZZZZ	3087	183070	47367	7607
20:25	ZZZZZZ	2879	171150	45660	7024
20:31	ZZZZZZ	3064	184160	46617	7687
20:38	ZZZZZZ	2858	170100	44909	7011
20:44	ZZZZZZ	3176	198890	47475	8098
20:50	ZZZZZZ	3288	199180	47584	8415
20:57	ZZZZZZ	3347	203930	48798	8619
21:03	ZZZZZZ	3256	194050	48212	8162
21:09	MA34296-CCV11	3335	201040	48621	8572
21:15	MA34296-CCB11	3453	210320	49247	8908
21:22	ZZZZZZ	3235	195380	47542	8252
21:28	ZZZZZZ	3455	210350	48530	8924
21:34	ZZZZZZ	2893	171280	45449	7087
21:40	ZZZZZZ	3214	195220	47384	8190
21:47	ZZZZZZ	3276	197620	47993	8371
21:53	ZZZZZZ	3353	204120	48486	8622
21:59	ZZZZZZ	3218	191200	47935	8046
22:05	ZZZZZZ	3239	196480	48121	8321
22:12	ZZZZZZ	3100	181790	46777	7658
22:18	MA34296-CCV12	3354	201300	48702	8609
22:25	MA34296-CCB12	3458	213310	49641	8924
22:31	ZZZZZZ	3090	182160	46580	7637
22:43	MA34296-CRID4	3461	209910	48584	8909
22:49	MA34296-CRI3	3450	208220	48905	8871
22:56	MA34296-CRID5	3465	211310	48465	8916
23:02	MA34296-ICSA3	3111	184840	47315	7877
23:08	MA34296-ICSAB3	3109	184810	46936	7897
23:15	MA34296-CCV13	3353	202600	48227	8603
23:21	MA34296-CCB13	3479	210850	48660	8942
23:27	ZZZZZZ	3518	200760	50309	8587
23:33	ZZZZZZ	3455	210770	48671	8880
23:40	ZZZZZZ	3465	209920	48482	8895
23:46	ZZZZZZ	3497	210990	49101	8982

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
Analyst: ND Run ID: MA34296
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:52	ZZZZZZ	3465	210730	49106	8920
23:58	ZZZZZZ	3484	212000	49781	8957
00:04	ZZZZZZ	3492	210150	50306	8989
00:11	ZZZZZZ	3239	192910	47572	8217

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time: / Sample ID:			10:35 ICB1		10:48 CCB1		11:50 CCB2		12:58 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	5.7	<200	4.9	<200	7.5	<200	7.5	<200
Antimony	6.0	1.3	-0.90	<6.0	0.30	<6.0	0.0	<6.0	-0.30	<6.0
Arsenic	3.0	1.2	0.70	<3.0	0.20	<3.0	0.60	<3.0	0.80	<3.0
Barium	200	.2	0.10	<200	0.30	<200	0.30	<200	0.30	<200
Beryllium	1.0	.04	0.10	<1.0	0.10	<1.0	0.10	<1.0	0.10	<1.0
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	0.0	<3.0	0.0	<3.0	0.10	<3.0	0.10	<3.0
Calcium	5000	8.7	1.8	<5000	2.7	<5000	3.2	<5000	3.2	<5000
Chromium	10	.3	0.20	<10	0.40	<10	0.50	<10	0.50	<10
Cobalt	50	.4	-0.10	<50	0.0	<50	0.10	<50	0.0	<50
Copper	10	.5	0.0	<10	0.30	<10	0.20	<10	0.40	<10
Iron	100	3.8	2.5	<100	3.4	<100	4.6	<100	4.0	<100
Lead	3.0	1.3	-0.70	<3.0	-0.30	<3.0	-0.90	<3.0	-0.30	<3.0
Lithium	20	.8								
Magnesium	5000	12	1.6	<5000	1.7	<5000	-2.8	<5000	7.1	<5000
Manganese	15	.04	0.0	<15	0.10	<15	0.10	<15	0.10	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.20	<10	-0.20	<10	0.0	<10	0.10	<10
Palladium	50	1								
Potassium	10000	17	30.5	<10000	25.5	<10000	16.0	<10000	15.0	<10000
Selenium	10	2	0.0	<10	1.0	<10	0.0	<10	-0.90	<10
Silicon	200	8.4								
Silver	10	.3	-0.10	<10	-0.10	<10	-0.10	<10	-0.30	<10
Sodium	10000	7.1	6.3	<10000	1.4	<10000	-5.7	<10000	38.3	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	0.0	<2.0	-0.10	<2.0	0.40	<2.0	-0.70	<2.0
Tin	10	.8								
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.20	<50	0.20	<50	0.30	<50	0.0	<50
Zinc	20	1.5	-4.0	<20	-4.2	<20	-1.5	<20	-4.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time:			10:35		10:48		11:50		12:58	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time: / Sample ID:			14:07 CCB4		15:15 CCB5		15:59 CCB6		16:43 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	0.0	<200	3.7	<200	2.3	<200	17.3	<200
Antimony	6.0	1.3	-0.10	<6.0	-0.70	<6.0	-0.20	<6.0	-0.10	<6.0
Arsenic	3.0	1.2	0.40	<3.0	1.3	<3.0	0.50	<3.0	1.8	<3.0
Barium	200	.2	0.0	<200	0.10	<200	0.0	<200	0.20	<200
Beryllium	1.0	.04	0.0	<1.0	0.0	<1.0	0.0	<1.0	0.20	<1.0
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	0.0	<3.0	0.10	<3.0	0.0	<3.0	0.10	<3.0
Calcium	5000	8.7	-0.10	<5000	2.4	<5000	-1.1	<5000	14.8	<5000
Chromium	10	.3	0.20	<10	0.50	<10	0.10	<10	0.50	<10
Cobalt	50	.4	0.0	<50	0.0	<50	-0.10	<50	0.0	<50
Copper	10	.5	0.40	<10	0.50	<10	0.10	<10	0.20	<10
Iron	100	3.8	1.1	<100	1.7	<100	1.5	<100	11.0	<100
Lead	3.0	1.3	-0.50	<3.0	-0.10	<3.0	-1.0	<3.0	-0.80	<3.0
Lithium	20	.8								
Magnesium	5000	12	2.4	<5000	3.9	<5000	-10	<5000	17.1	<5000
Manganese	15	.04	0.0	<15	0.20	<15	0.0	<15	0.10	<15
Molybdenum	20	.5								
Nickel	10	.7	-0.20	<10	0.0	<10	-0.20	<10	0.0	<10
Palladium	50	1								
Potassium	10000	17	7.3	<10000	39.2	<10000	1.8	<10000	15.0	<10000
Selenium	10	2	0.80	<10	-0.20	<10	-1.7	<10	-1.5	<10
Silicon	200	8.4								
Silver	10	.3	0.0	<10	-0.10	<10	-0.10	<10	0.0	<10
Sodium	10000	7.1	6.2	<10000	15.0	<10000	13.4	<10000	-4.1	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	-0.30	<2.0	-0.50	<2.0	-1.0	<2.0	-0.80	<2.0
Tin	10	.8								
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.20	<50	0.20	<50	-0.10	<50	0.20	<50
Zinc	20	1.5	-4.1	<20	-4.8	<20	-4.7	<20	-5.3	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time: / Sample ID:			14:07 CCB4		15:15 CCB5		15:59 CCB6		16:43 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time:			17:51		18:59		20:06		21:15	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	6.7	9.7	<200	6.1	<200	10.2	<200	10.2	<200
Antimony	6.0	1.3	-0.10	<6.0	0.60	<6.0	-0.40	<6.0	-0.10	<6.0
Arsenic	3.0	1.2	1.5	<3.0	1.7	<3.0	0.90	<3.0	1.7	<3.0
Barium	200	.2	0.40	<200	0.10	<200	0.40	<200	0.60	<200
Beryllium	1.0	.04	0.40	<1.0	0.0	<1.0	0.40	<1.0	0.50	<1.0
Bismuth	20	1.2								
Boron	100	1.2								
Cadmium	3.0	.2	0.10	<3.0	0.20	<3.0	0.10	<3.0	0.40	<3.0
Calcium	5000	8.7	9.3	<5000	-0.80	<5000	7.6	<5000	14.9	<5000
Chromium	10	.3	0.40	<10	0.40	<10	0.40	<10	0.70	<10
Cobalt	50	.4	0.10	<50	0.30	<50	0.20	<50	0.50	<50
Copper	10	.5	0.20	<10	0.0	<10	0.30	<10	0.50	<10
Iron	100	3.8	10.3	<100	1.2	<100	9.8	<100	11.9	<100
Lead	3.0	1.3	-0.60	<3.0	-0.90	<3.0	-0.40	<3.0	-0.50	<3.0
Lithium	20	.8								
Magnesium	5000	12	4.1	<5000	-4.5	<5000	-1.6	<5000	9.5	<5000
Manganese	15	.04	0.30	<15	0.10	<15	0.40	<15	0.60	<15
Molybdenum	20	.5								
Nickel	10	.7	0.0	<10	0.0	<10	-0.20	<10	0.40	<10
Palladium	50	1								
Potassium	10000	17	23.0	<10000	21.4	<10000	31.5	<10000	40.9	<10000
Selenium	10	2	-2.5	<10	-0.70	<10	-0.20	<10	-0.90	<10
Silicon	200	8.4								
Silver	10	.3	0.0	<10	-0.30	<10	-0.20	<10	0.10	<10
Sodium	10000	7.1	1.1	<10000	-11	<10000	-8.2	<10000	45.5	<10000
Sulfur	50	4.4								
Strontium	10	.09								
Thallium	2.0	1.4	-0.80	<2.0	-1.1	<2.0	-0.80	<2.0	-0.10	<2.0
Tin	10	.8								
Titanium	10	.4								
Tungsten	50	11								
Vanadium	50	.3	0.40	<50	0.10	<50	0.50	<50	0.50	<50
Zinc	20	1.5	-3.7	<20	-4.8	<20	-4.8	<20	-4.1	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time: / Sample ID:			17:51 CCB8		18:59 CCB9		20:06 CCB10		21:15 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.6								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time:			22:25		23:21	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	6.7	9.2	<200	61.0	<200
Antimony	6.0	1.3	-0.10	<6.0	-0.20	<6.0
Arsenic	3.0	1.2	0.80	<3.0	1.6	<3.0
Barium	200	.2	0.60	<200	0.90	<200
Beryllium	1.0	.04	0.50	<1.0	0.70	<1.0
Bismuth	20	1.2				
Boron	100	1.2				
Cadmium	3.0	.2	0.30	<3.0	0.40	<3.0
Calcium	5000	8.7	24.0	<5000	57.7	<5000
Chromium	10	.3	0.60	<10	0.70	<10
Cobalt	50	.4	0.30	<50	0.40	<50
Copper	10	.5	0.40	<10	0.60	<10
Iron	100	3.8	10.8	<100	34.5	<100
Lead	3.0	1.3	0.10	<3.0	-0.30	<3.0
Lithium	20	.8				
Magnesium	5000	12	9.4	<5000	64.9	<5000
Manganese	15	.04	0.50	<15	0.60	<15
Molybdenum	20	.5				
Nickel	10	.7	0.20	<10	0.20	<10
Palladium	50	1				
Potassium	10000	17	36.0	<10000	41.4	<10000
Selenium	10	2	0.60	<10	-0.80	<10
Silicon	200	8.4				
Silver	10	.3	-0.20	<10	-0.40	<10
Sodium	10000	7.1	55.3	<10000	15.0	<10000
Sulfur	50	4.4				
Strontium	10	.09				
Thallium	2.0	1.4	0.40	<2.0	-0.10	<2.0
Tin	10	.8				
Titanium	10	.4				
Tungsten	50	11				
Vanadium	50	.3	0.40	<50	0.70	<50
Zinc	20	1.5	-4.2	<20	-4.6	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34296 Units: ug/l

Time:			22:25		23:21	
Sample ID:			CCB12		CCB13	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.6				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		10:29			10:42			11:44	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39500	98.8	40000	39500	98.8	40000	39600	99.0
Antimony	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Arsenic	2000	2040	102.0	2000	2030	101.5	2000	2030	101.5
Barium	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Beryllium	2000	2060	103.0	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2010	100.5	2000	2030	101.5	2000	2030	101.5
Calcium	40000	41300	103.3	40000	40800	102.0	40000	40800	102.0
Chromium	2000	1990	99.5	2000	2010	100.5	2000	2010	100.5
Cobalt	2000	2010	100.5	2000	2050	102.5	2000	2040	102.0
Copper	2000	1950	97.5	2000	1960	98.0	2000	1970	98.5
Iron	40000	41300	103.3	40000	40600	101.5	40000	40700	101.8
Lead	2000	2030	101.5	2000	2050	102.5	2000	2040	102.0
Lithium									
Magnesium	40000	40600	101.5	40000	39700	99.3	40000	39700	99.3
Manganese	2000	2010	100.5	2000	2010	100.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5
Palladium									
Potassium	40000	40700	101.8	40000	39800	99.5	40000	39700	99.3
Selenium	2000	2010	100.5	2000	2040	102.0	2000	2030	101.5
Silicon									
Silver	250	244	97.6	250	242	96.8	250	243	97.2
Sodium	40000	40600	101.5	40000	40100	100.3	40000	39700	99.3
Sulfur									
Strontium									
Thallium	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1990	99.5	2000	1970	98.5	2000	1980	99.0
Zinc	2000	2050	102.5	2000	2070	103.5	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		10:29			10:42			11:44	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		12:52			14:00			15:09	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40500	101.3	40000	40000	100.0
Antimony	2000	2070	103.5	2000	2070	103.5	2000	2060	103.0
Arsenic	2000	2080	104.0	2000	2080	104.0	2000	2060	103.0
Barium	2000	2050	102.5	2000	2060	103.0	2000	2050	102.5
Beryllium	2000	2060	103.0	2000	2090	104.5	2000	2090	104.5
Bismuth									
Boron									
Cadmium	2000	2080	104.0	2000	2080	104.0	2000	2060	103.0
Calcium	40000	41100	102.8	40000	41500	103.8	40000	41000	102.5
Chromium	2000	2030	101.5	2000	2050	102.5	2000	2050	102.5
Cobalt	2000	2090	104.5	2000	2090	104.5	2000	2080	104.0
Copper	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Iron	40000	41100	102.8	40000	41500	103.8	40000	41000	102.5
Lead	2000	2090	104.5	2000	2090	104.5	2000	2080	104.0
Lithium									
Magnesium	40000	40000	100.0	40000	40300	100.8	40000	40100	100.3
Manganese	2000	2040	102.0	2000	2060	103.0	2000	2050	102.5
Molybdenum									
Nickel	2000	2110	105.5	2000	2110	105.5	2000	2100	105.0
Palladium									
Potassium	40000	40300	100.8	40000	40100	100.3	40000	39600	99.0
Selenium	2000	2080	104.0	2000	2070	103.5	2000	2090	104.5
Silicon									
Silver	250	248	99.2	250	247	98.8	250	246	98.4
Sodium	40000	40400	101.0	40000	40300	100.8	40000	39800	99.5
Sulfur									
Strontium									
Thallium	2000	2120	106.0	2000	2120	106.0	2000	2110	105.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Zinc	2000	2120	106.0	2000	2120	106.0	2000	2120	106.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		12:52			14:00			15:09	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		15:53			16:37			17:45	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40200	100.5	40000	40400	101.0	40000	40300	100.8
Antimony	2000	2070	103.5	2000	2050	102.5	2000	2050	102.5
Arsenic	2000	2060	103.0	2000	2050	102.5	2000	2040	102.0
Barium	2000	2040	102.0	2000	2060	103.0	2000	2050	102.5
Beryllium	2000	2070	103.5	2000	2060	103.0	2000	2080	104.0
Bismuth									
Boron									
Cadmium	2000	2080	104.0	2000	2060	103.0	2000	2070	103.5
Calcium	40000	40900	102.3	40000	41300	103.3	40000	41200	103.0
Chromium	2000	2060	103.0	2000	2060	103.0	2000	2040	102.0
Cobalt	2000	2090	104.5	2000	2080	104.0	2000	2080	104.0
Copper	2000	2020	101.0	2000	2010	100.5	2000	2000	100.0
Iron	40000	41000	102.5	40000	41300	103.3	40000	41200	103.0
Lead	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Lithium									
Magnesium	40000	39800	99.5	40000	40200	100.5	40000	40100	100.3
Manganese	2000	2070	103.5	2000	2070	103.5	2000	2030	101.5
Molybdenum									
Nickel	2000	2110	105.5	2000	2090	104.5	2000	2090	104.5
Palladium									
Potassium	40000	39300	98.3	40000	39500	98.8	40000	39400	98.5
Selenium	2000	2090	104.5	2000	2060	103.0	2000	2050	102.5
Silicon									
Silver	250	248	99.2	250	246	98.4	250	244	97.6
Sodium	40000	39500	98.8	40000	39800	99.5	40000	39800	99.5
Sulfur									
Strontium									
Thallium	2000	2130	106.5	2000	2110	105.5	2000	2110	105.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2020	101.0	2000	2020	101.0	2000	2000	100.0
Zinc	2000	2130	106.5	2000	2110	105.5	2000	2110	105.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		15:53			16:37			17:45	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		18:52			20:00			21:09	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	40300	100.8	40000	40300	100.8
Antimony	2000	2060	103.0	2000	2050	102.5	2000	2060	103.0
Arsenic	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Barium	2000	2040	102.0	2000	2050	102.5	2000	2060	103.0
Beryllium	2000	2060	103.0	2000	2070	103.5	2000	2080	104.0
Bismuth									
Boron									
Cadmium	2000	2080	104.0	2000	2070	103.5	2000	2070	103.5
Calcium	40000	41000	102.5	40000	41200	103.0	40000	41200	103.0
Chromium	2000	2030	101.5	2000	2050	102.5	2000	2030	101.5
Cobalt	2000	2090	104.5	2000	2090	104.5	2000	2090	104.5
Copper	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Iron	40000	41000	102.5	40000	41300	103.3	40000	41200	103.0
Lead	2000	2080	104.0	2000	2080	104.0	2000	2080	104.0
Lithium									
Magnesium	40000	39700	99.3	40000	40100	100.3	40000	40100	100.3
Manganese	2000	2050	102.5	2000	2040	102.0	2000	2050	102.5
Molybdenum									
Nickel	2000	2090	104.5	2000	2100	105.0	2000	2100	105.0
Palladium									
Potassium	40000	39000	97.5	40000	39400	98.5	40000	39500	98.8
Selenium	2000	2050	102.5	2000	2050	102.5	2000	2070	103.5
Silicon									
Silver	250	244	97.6	250	245	98.0	250	245	98.0
Sodium	40000	39400	98.5	40000	39800	99.5	40000	39800	99.5
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2100	105.0	2000	2120	106.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	2010	100.5	2000	2000	100.0
Zinc	2000	2110	105.5	2000	2110	105.5	2000	2130	106.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		18:52			20:00			21:09	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		22:18			23:15	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40400	101.0
Antimony	2000	2050	102.5	2000	2050	102.5
Arsenic	2000	2040	102.0	2000	2060	103.0
Barium	2000	2060	103.0	2000	2070	103.5
Beryllium	2000	2070	103.5	2000	2110	105.5
Bismuth						
Boron						
Cadmium	2000	2060	103.0	2000	2060	103.0
Calcium	40000	41200	103.0	40000	41700	104.3
Chromium	2000	2040	102.0	2000	2020	101.0
Cobalt	2000	2080	104.0	2000	2080	104.0
Copper	2000	1990	99.5	2000	1970	98.5
Iron	40000	41200	103.0	40000	41600	104.0
Lead	2000	2080	104.0	2000	2080	104.0
Lithium						
Magnesium	40000	40300	100.8	40000	40900	102.3
Manganese	2000	2040	102.0	2000	2040	102.0
Molybdenum						
Nickel	2000	2100	105.0	2000	2110	105.5
Palladium						
Potassium	40000	39800	99.5	40000	39800	99.5
Selenium	2000	2070	103.5	2000	2080	104.0
Silicon						
Silver	250	245	98.0	250	244	97.6
Sodium	40000	40000	100.0	40000	39900	99.8
Sulfur						
Strontium						
Thallium	2000	2110	105.5	2000	2120	106.0
Tin						
Titanium						
Tungsten						
Vanadium	2000	2000	100.0	2000	1980	99.0
Zinc	2000	2120	106.0	2000	2140	107.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34296 Units: ug/l

Time:		22:18			23:15	
Sample ID:	CCV	CCV12		CCV	CCV13	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34296 Units: ug/l

Time:				11:00		11:07		11:13	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	209	104.5	488	97.6	104	104.0
Antimony	6.0	20	3.0	5.7	95.0	19.0	95.0	2.9	96.7
Arsenic	8.0	20	3.0	9.1	113.8	20.7	103.5	3.1	103.3
Barium	200		4.0	205	102.5			4.0	100.0
Beryllium	2.0		1.0	2.2	110.0			1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.1	103.3			1.1	110.0
Calcium	5000		1000	5160	103.2			1030	103.0
Chromium	10		2.0	10.5	105.0			2.3	115.0
Cobalt	50		3.0	51.8	103.6			3.1	103.3
Copper	10		2.0	9.7	97.0			2.0	100.0
Iron	100	500		109	109.0	515	103.0		
Lead	3.0	20	2.5	2.9	96.7	19.4	97.0	1.4	56.0*(a)
Lithium	20								
Magnesium	5000		100	5270	105.4			106	106.0
Manganese	15		3.0	15.6	104.0			3.2	106.7
Molybdenum	20								
Nickel	10		4.0	10.5	105.0			4.4	110.0
Palladium	50								
Potassium	5000		2000	4980	99.6			2020	101.0
Selenium	10	20	5.0	11.7	117.0	21.3	106.5	4.9	98.0
Silicon	200								
Silver	5.0		1.0	4.9	98.0			0.70	70.0
Sodium	5000		1000	5060	101.2			984	98.4
Sulfur	50								
Strontium	10								
Thallium	10		2.0	9.9	99.0			2.0	100.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	53.2	106.4			2.0	100.0
Zinc	20		10	17.7	88.5			9.1	91.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34296 Units: ug/l

Time:				11:00		11:07		11:13	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34296 Units: ug/l

Time:				16:06		16:12		22:43	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	213	106.5	105	105.0	107	107.0
Antimony	6.0	20	3.0	6.3	105.0	3.1	103.3	3.1	103.3
Arsenic	8.0	20	3.0	9.5	118.8	3.4	113.3	3.5	116.7
Barium	200		4.0	205	102.5	4.2	105.0	4.3	107.5
Beryllium	2.0		1.0	2.1	105.0	1.0	100.0	1.0	100.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.2	106.7	1.1	110.0	1.0	100.0
Calcium	5000		1000	5140	102.8	1050	105.0	1090	109.0
Chromium	10		2.0	10.6	106.0	2.3	115.0	2.3	115.0
Cobalt	50		3.0	52.6	105.2	3.2	106.7	3.1	103.3
Copper	10		2.0	10.0	100.0	2.3	115.0	2.2	110.0
Iron	100	500		109	109.0				
Lead	3.0	20	2.5	2.7	90.0	1.7	68.0*(a)	2.0	80.0
Lithium	20								
Magnesium	5000		100	5220	104.4	111	111.0	113	113.0
Manganese	15		3.0	15.9	106.0	3.3	110.0	3.7	123.3
Molybdenum	20								
Nickel	10		4.0	10.6	106.0	4.5	112.5	4.2	105.0
Palladium	50								
Potassium	5000		2000	4890	97.8	2030	101.5	2060	103.0
Selenium	10	20	5.0	11.4	114.0	5.2	104.0	6.1	122.0
Silicon	200								
Silver	5.0		1.0	4.5	90.0	0.70	70.0	0.60	60.0*(a)
Sodium	5000		1000	4970	99.4	1010	101.0	1100	110.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	9.6	96.0	0.40U	0.0* (a)	1.2U	0.0* (a)
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	53.9	107.8	2.1	105.0	2.1	105.0
Zinc	20		10	17.6	88.0	9.3	93.0	9.0	90.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34296 Units: ug/l

Time:				16:06		16:12		22:43	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34296 Units: ug/l

Time:				22:49		22:56	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	211	105.5	105	105.0
Antimony	6.0	20	3.0	6.4	106.7	1.7	56.7*(a)
Arsenic	8.0	20	3.0	9.1	113.8	2.9	96.7
Barium	200		4.0	210	105.0	4.3	107.5
Beryllium	2.0		1.0	2.2	110.0	1.0	100.0
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	3.2	106.7	1.0	100.0
Calcium	5000		1000	5220	104.4	1070	107.0
Chromium	10		2.0	10.9	109.0	2.3	115.0
Cobalt	50		3.0	52.6	105.2	3.1	103.3
Copper	10		2.0	10.0	100.0	1.8	90.0
Iron	100	500		110	110.0		
Lead	3.0	20	2.5	2.9	96.7	2.3	92.0
Lithium	20						
Magnesium	5000		100	5350	107.0	108	108.0
Manganese	15		3.0	16.1	107.3	3.3	110.0
Molybdenum	20						
Nickel	10		4.0	10.8	108.0	4.1	102.5
Palladium	50						
Potassium	5000		2000	4990	99.8	2050	102.5
Selenium	10	20	5.0	12.3	123.0	5.7	114.0
Silicon	200						
Silver	5.0		1.0	5.0	100.0	0.70	70.0
Sodium	5000		1000	5050	101.0	1050	105.0
Sulfur	50						
Strontium	10						
Thallium	10		2.0	10.0	100.0	1.7	85.0
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	54.1	108.2	2.0	100.0
Zinc	20		10	18.3	91.5	9.1	91.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34296 Units: ug/l

Time:				22:49		22:56	
Sample ID:	CRI	CRIA	CRID	CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zirconium	10		5.0				

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34296 Units: ug/l

Time:			11:19		11:25		16:24		16:30	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	490000	98.0	491000	98.2	497000	99.4	497000	99.4
Antimony		1000	2.3		1040	104.0	1.0		1050	105.0
Arsenic		1000	2.5		1090	109.0	0.90		1100	110.0
Barium		500	-0.40		492	98.4	-0.30		500	100.0
Beryllium		500	0.0		502	100.4	0.0		504	100.8
Bismuth		500	2.9		545	109.0	2.1		550	110.0
Boron			-2.5		-1.6		-1.7		-1.9	
Cadmium		1000	2.9		1030	103.0	2.9		1040	104.0
Calcium	400000	400000	372000	93.0	368000	92.0	372000	93.0	366000	91.5
Chromium		500	-0.30		470	94.0	-0.40		476	95.2
Cobalt		500	-1.2		482	96.4	-1.1		490	98.0
Copper		500	-6.8		514	102.8	-6.5		518	103.6
Iron	200000	200000	180000	90.0	182000	91.0	183000	91.5	184000	92.0
Lead		1000	-1.6		952	95.2	-2.0		965	96.5
Lithium		500	5.9		527	105.4	5.8		519	103.8
Magnesium	500000	500000	511000	102.2	509000	101.8	513000	102.6	512000	102.4
Manganese		500	3.7		503	100.6	3.5		505	101.0
Molybdenum		500	-2.4		504	100.8	-2.0		511	102.2
Nickel		1000	-2.4		981	98.1	-2.5		993	99.3
Palladium		500	-4.9		543	108.6	-4.4		547	109.4
Potassium			57.8		71.0		51.1		46.3	
Selenium		1000	2.0		1090	109.0	-3.0		1090	109.0
Silicon			10.8		4.0		12.4		5.1	
Silver		1000	1.9		1020	102.0	0.90		1020	102.0
Sodium			34.1		37.0		19.4		15.2	
Sulfur		500	-5.5		498	99.6	-3.0		506	101.2
Strontium			-6.0		-5.9		-5.8		-5.7	
Thallium		1000	2.3		986	98.6	3.8		995	99.5
Tin			-1.1		-0.80		-1.3		-1.2	
Titanium			0.70		1.1		0.80		1.3	
Tungsten		500	3.6		510	102.0	7.6		511	102.2
Vanadium		500	0.40		483	96.6	0.20		489	97.8
Zinc		1000	-4.0		989	98.9	-4.1		1000	100.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34296 Units: ug/l

Time:			11:19		11:25		16:24		16:30	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-1.6		581	116.2	-1.1		581	116.2

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34296 Units: ug/l

Time:			23:02		23:08	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	499000	99.8	502000	100.4
Antimony		1000	0.0		1050	105.0
Arsenic		1000	2.3		1100	110.0
Barium		500	-0.30		508	101.6
Beryllium		500	0.0		514	102.8
Bismuth		500	3.0		551	110.2
Boron			-1.4		-2.5	
Cadmium		1000	2.9		1040	104.0
Calcium	400000	400000	378000	94.5	376000	94.0
Chromium		500	-0.80		477	95.4
Cobalt		500	-1.5		491	98.2
Copper		500	-6.8		514	102.8
Iron	200000	200000	183000	91.5	188000	94.0
Lead		1000	-1.8		967	96.7
Lithium		500	6.6		526	105.2
Magnesium	500000	500000	521000	104.2	526000	105.2
Manganese		500	3.9		507	101.4
Molybdenum		500	-2.4		512	102.4
Nickel		1000	-2.2		997	99.7
Palladium		500	-4.6		543	108.6
Potassium			45.2		52.1	
Selenium		1000	2.0		1100	110.0
Silicon			14.2		5.3	
Silver		1000	2.2		1020	102.0
Sodium			21.6		16.9	
Sulfur		500	2.8		507	101.4
Strontium			-6.0		-5.9	
Thallium		1000	2.2		1000	100.0
Tin			-2.0		-0.70	
Titanium			0.70		1.1	
Tungsten		500	3.3		511	102.2
Vanadium		500	0.20		489	97.8
Zinc		1000	-4.1		1010	101.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SA062314M1.ICP Date Analyzed: 06/23/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34296 Units: ug/l

Time:			23:02		23:08	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Zirconium		500	-1.4		582	116.4

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:19	MA34319-STD1	1		STDA
12:25	MA34319-STD2	1		STDB
12:31	ZZZZZZ	1		
12:37	ZZZZZZ	1		
12:47	MA34319-ICV1	1		
13:08	MA34319-ICB1	1		
13:15	MA34319-ICCV1	1		
13:29	MA34319-CCB1	1		
13:35	MA34319-CRI1	1		
13:42	MA34319-CRID1	1		
13:48	MA34319-CRIA1	1		
13:54	MA34319-ICSA1	1		
14:01	MA34319-ICSAB1	1		
14:07	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:20	MA34319-CCV1	1		
14:26	MA34319-CCB2	1		
14:33	MA34319-ICSA2	1		
14:40	MA34319-ICSAB2	1		
14:46	MA34319-CRID2	1		
14:52	ZZZZZZ	1		
14:59	ZZZZZZ	2		
15:05	ZZZZZZ	1		
15:11	MP80249-S1	2		
15:17	MP80249-S2	2		
15:24	JB69676-1F	2		(sample used for QC only; not part of login JB69926)
15:30	MP80249-SD1	10		
15:36	MA34319-CCV2	1		
15:42	MA34319-CCB3	1		
15:49	ZZZZZZ	2		
15:55	ZZZZZZ	2		
16:01	ZZZZZZ	2		
16:07	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:14	ZZZZZZ	2		
16:20	ZZZZZZ	2		
16:27	ZZZZZZ	1		
16:33	ZZZZZZ	1		
16:39	ZZZZZZ	1		
16:46	MA34319-CCV3	1		
16:52	MA34319-CCB4	1		
16:58	MP80247-S1	3		
17:04	MP80247-S2	3		
17:10	JB69621-5	3		(sample used for QC only; not part of login JB69926)
17:17	MP80247-SD1	15		
17:23	MP80247-PS1	5		
17:29	ZZZZZZ	5		
17:35	ZZZZZZ	2		
17:42	ZZZZZZ	2		
17:48	ZZZZZZ	5		
17:54	MA34319-CCV4	1		
18:00	MA34319-CCB5	1		
18:07	MP80281-MB1	1		rerun fo zn. ccv analytical problem
18:13	MP80281-LC1	1		
18:19	MP80281-S1	1		s 350 ppm
18:25	MP80281-S2	1		s 350 ppm
18:31	JB69865-6	1		(sample used for QC only; not part of login JB69926)
18:38	MP80281-SD1	5		s 350 ppm
18:44	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:57	ZZZZZZ	1		
19:03	MA34319-CCV5	1		zn analytical problem
19:09	MA34319-CCB6	1		
19:15	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:34	MA34319-CCV6	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:40	MA34319-CCB7	1		
19:47	MP80251-MB1	1		
19:53	MP80251-B1	1		
19:59	MP80251-LC1	1		
20:05	MP80251-S1	1		
20:11	MP80251-S2	1		
20:17	JB69686-5	1		(sample used for QC only; not part of login JB69926)
20:23	MP80251-SD1	5		
20:30	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:42	MA34319-CCV7	1		
20:48	MA34319-CCB8	1		
20:55	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:13	ZZZZZZ	1		
21:19	ZZZZZZ	1		
21:26	MA34319-CCV8	1		
21:32	MA34319-CCB9	1		
21:38	MA34319-CRI2	1		
21:44	MA34319-CRID3	1		
21:51	MA34319-CRIA2	1		
21:57	MA34319-ICSA3	1		
22:03	MA34319-ICSAB3	1		
22:10	ZZZZZZ	1		
22:16	ZZZZZZ	1		
22:22	ZZZZZZ	1		
22:29	MA34319-CCV9	1		
22:35	MA34319-CCB10	1		
22:41	ZZZZZZ	2		
22:47	ZZZZZZ	1		
22:53	ZZZZZZ	1		
23:00	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:06	ZZZZZZ	1		
23:12	ZZZZZZ	1		
23:18	ZZZZZZ	1		
23:24	ZZZZZZ	1		
23:31	ZZZZZZ	1		
23:37	MA34319-CCV10	1		
23:43	MA34319-CCB11	1		
23:49	ZZZZZZ	1		
23:56	ZZZZZZ	1		
00:02	MP80268-MB1	1		
00:08	MP80268-B1	1		
00:14	MP80268-S1	1		
00:21	MP80268-S2	1		Fe 563 ppm
00:27	JB69663-6	1		(sample used for QC only; not part of login JB69926)
00:33	MP80268-SD1	5		
00:39	ZZZZZZ	1		
00:46	MA34319-CCV11	1		
00:52	MA34319-CCB12	1		
00:58	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:17	ZZZZZZ	1		
01:23	ZZZZZZ	1		
01:29	ZZZZZZ	1		
01:36	ZZZZZZ	1		
01:42	ZZZZZZ	1		
01:48	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:01	MA34319-CCV12	1		
02:07	MA34319-CCB13	1		
02:13	ZZZZZZ	1		
02:19	ZZZZZZ	1		
02:26	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:32	ZZZZZZ	1		
02:38	ZZZZZZ	1		
02:44	ZZZZZZ	1		
02:50	ZZZZZZ	1		
02:56	ZZZZZZ	1		
03:03	MP80276-MB1	1		
03:09	MP80276-B1	1		
03:15	MA34319-CCV13	1		
03:21	MA34319-CCB14	1		
03:27	MP80276-S1	1		fe high
03:34	MP80276-S2	1		fe high
03:40	JB69784-1	1		(sample used for QC only; not part of login JB69926)
03:46	MP80276-SD1	5		fe high
03:52	ZZZZZZ	1		
03:58	ZZZZZZ	1		
04:04	ZZZZZZ	1		
04:10	ZZZZZZ	1		
04:17	ZZZZZZ	1		
04:23	JB69926-18	1		
---------->	Last reportable sample/prep for job JB69926			
04:29	MA34319-CCV14	1		
04:35	MA34319-CCB15	1		
04:41	ZZZZZZ	1		
04:47	ZZZZZZ	1		
04:53	ZZZZZZ	1		
05:00	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:18	ZZZZZZ	1		
05:24	ZZZZZZ	1		
05:30	ZZZZZZ	1		
05:36	ZZZZZZ	1		
05:42	MA34319-CCV15	1		
05:48	MA34319-CCB16	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:55	MA34319-CRI3	1		
06:01	MA34319-CRID4	1		
06:07	MA34319-CRIA3	1		
06:14	ZZZZZZ	1		
06:20	ZZZZZZ	1		
06:26	ZZZZZZ	1		
06:33	ZZZZZZ	1		
06:39	MA34319-CCV16	1		
06:45	MA34319-CCB17	1		
---------->	Last reportable CCB for job JB69926			
06:51	ZZZZZZ	1		
06:57	ZZZZZZ	1		
07:04	ZZZZZZ	1		
07:10	ZZZZZZ	1		
07:16	ZZZZZZ	1		
07:22	ZZZZZZ	1		
07:29	ZZZZZZ	1		
07:35	ZZZZZZ	1		
07:41	ZZZZZZ	1		
07:47	ZZZZZZ	1		
07:54	MA34319-CCV17	1		
08:00	MA34319-CCB18	1		
08:06	ZZZZZZ	2		
08:13	ZZZZZZ	1		
08:19	ZZZZZZ	1		
08:25	ZZZZZZ	1		
08:32	ZZZZZZ	1		
08:38	MA34319-CRIA4	1		
08:44	MA34319-CRI4	1		
08:50	MA34319-CRID5	1		
08:57	MA34319-CCV18	1		
09:04	MA34319-CCB19	1		
09:10	ZZZZZZ	1		
09:16	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:06	ZZZZZZ	10		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:19	MA34319-STD1	1930 R	84387 R	15711 R	6443 R
12:25	MA34319-STD2	1781	74837	15326	5565
12:31	ZZZZZZ	1826	78354	15455	5772
12:37	ZZZZZZ	1936	84772	15809	6466
12:47	MA34319-ICV1	1837	77938	15528	5778
13:08	MA34319-ICB1	1917	82727	15636	6396
13:15	MA34319-ICCV1	1832	77900	15427	5762
13:29	MA34319-CCB1	1932	84074	15765	6449
13:35	MA34319-CRI1	1920	83282	15731	6337
13:42	MA34319-CRID1	1936	84392	15735	6446
13:48	MA34319-CRIA1	1928	84308	15686	6422
13:54	MA34319-ICSA1	1688	72675	14757	5146
14:01	MA34319-ICSAB1	1693	72079	14732	5167
14:07	ZZZZZZ	1877	82055	15635	6387
14:13	ZZZZZZ	1907	84477	15615	6427
14:20	MA34319-CCV1	1839	78827	15749	5780
14:26	MA34319-CCB2	1940	85388	15645	6449
14:33	MA34319-ICSA2	1691	71608	14686	5151
14:40	MA34319-ICSAB2	1653	70554	14402	5057
14:46	MA34319-CRID2	1913	84126	15528	6357
14:52	ZZZZZZ	1882	85386	16259	6343
14:59	ZZZZZZ	1630	72097	14884	4996
15:05	ZZZZZZ	1935	86220	15780	6469
15:11	MP80249-S1	1747	77338	15198	5519
15:17	MP80249-S2	1736	77539	15140	5511
15:24	JB69676-1F	1765	78250	15228	5599
15:30	MP80249-SD1	1873	82074	15503	6123
15:36	MA34319-CCV2	1835	80033	15532	5805
15:42	MA34319-CCB3	1924	85574	15681	6421
15:49	ZZZZZZ	1763	77680	15288	5579
15:55	ZZZZZZ	1863	999999 !	15410	6121
16:01	ZZZZZZ	1747	78477	15347	5543
16:07	ZZZZZZ	1763	78046	15215	5573

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:14	ZZZZZZ	1769	77417	15135	5548
16:20	ZZZZZZ	1765	75827	14825	5551
16:27	ZZZZZZ	1949	87286	15788	6509
16:33	ZZZZZZ	1909	85280	15647	6392
16:39	ZZZZZZ	1956	86386	15768	6498
16:46	MA34319-CCV3	1846	80377	15507	5812
16:52	MA34319-CCB4	1926	85952	15637	6425
16:58	MP80247-S1	1739	76495	14967	5319
17:04	MP80247-S2	1745	75524	15097	5319
17:10	JB69621-5	1766	76748	15402	5243
17:17	MP80247-SD1	1852	80120	15476	5910
17:23	MP80247-PS1	1787	78493	15396	5428
17:29	ZZZZZZ	1712	77432	15130	5663
17:35	ZZZZZZ	1672	74066	14855	5526
17:42	ZZZZZZ	1572	70003	14451	4787
17:48	ZZZZZZ	1699	74903	14976	5280
17:54	MA34319-CCV4	1842	79157	15367	5783
18:00	MA34319-CCB5	1911	84473	15619	6375
18:07	MP80281-MB1	1911	84439	15619	6373
18:13	MP80281-LC1	1892	82177	15599	6172
18:19	MP80281-S1	1650	70774	14831	4884
18:25	MP80281-S2	1619	71412	14749	4818
18:31	JB69865-6	1683	72948	15087	5004
18:38	MP80281-SD1	1843	79377	15460	5786
18:44	ZZZZZZ	1684	73036	15264	4949
18:50	ZZZZZZ	1741	77226	15245	5369
18:57	ZZZZZZ	1797	77526	15393	5461
19:03	MA34319-CCV5	1829	77225	15150	5742
19:09	MA34319-CCB6	1929	84598	15629	6407
19:15	ZZZZZZ	1618	71583	14767	4878
19:22	ZZZZZZ	1429	62199	999999 !a	3926 !a
19:28	ZZZZZZ	1749	76273	15303	5328
19:34	MA34319-CCV6	1827	79590	15342	5763

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:40	MA34319-CCB7	1925	85387	15523	6431
19:47	MP80251-MB1	1919	84605	15644	6384
19:53	MP80251-B1	1836	80101	15380	5896
19:59	MP80251-LC1	1877	82715	15410	6160
20:05	MP80251-S1	1733	77227	15154	5457
20:11	MP80251-S2	1749	77638	15201	5502
20:17	JB69686-5	1760	78112	15269	5602
20:23	MP80251-SD1	1857	83096	15402	6112
20:30	ZZZZZZ	1630	72695	14753	5068
20:36	ZZZZZZ	1876	83666	15403	6144
20:42	MA34319-CCV7	1839	79863	15361	5781
20:48	MA34319-CCB8	1950	86464	15673	6491
20:55	ZZZZZZ	1824	80568	15398	5865
21:01	ZZZZZZ	1751	76718	15290	5476
21:07	ZZZZZZ	1832	81732	15419	5915
21:13	ZZZZZZ	1815	81412	15351	5868
21:19	ZZZZZZ	1730	77392	15051	5503
21:26	MA34319-CCV8	1861	80451	15353	5820
21:32	MA34319-CCB9	1962	86872	15670	6518
21:38	MA34319-CRI2	1937	85100	15421	6352
21:44	MA34319-CRID3	1977	86566	15602	6523
21:51	MA34319-CRIA2	1952	86316	15518	6480
21:57	MA34319-ICSA3	1703	74438	14589	5167
22:03	MA34319-ICSAB3	1716	74315	14567	5203
22:10	ZZZZZZ	1790	78569	15003	5598
22:16	ZZZZZZ	1980	87641	15499	6542
22:22	ZZZZZZ	1977	86751	15506	6508
22:29	MA34319-CCV9	1913	79820	15032	5957
22:35	MA34319-CCB10	1978	88928	15654	6543
22:41	ZZZZZZ	1908	84405	15453	6211
22:47	ZZZZZZ	1693	75482	14933	5272
22:53	ZZZZZZ	1646	73933	14820	5100
23:00	ZZZZZZ	1908	84382	15485	6228

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:06	ZZZZZZ	1807	80313	15221	5758
23:12	ZZZZZZ	1811	81112	15316	5749
23:18	ZZZZZZ	1750	77970	15035	5500
23:24	ZZZZZZ	1851	82694	15413	5980
23:31	ZZZZZZ	1836	81675	15332	5913
23:37	MA34319-CCV10	1869	80467	15121	5865
23:43	MA34319-CCB11	1976	86904	15551	6550
23:49	ZZZZZZ	1755	78104	15012	5563
23:56	ZZZZZZ	1683	75460	14888	5235
00:02	MP80268-MB1	1963	86863	15596	6518
00:08	MP80268-B1	1894	82872	15252	6067
00:14	MP80268-S1	1749	78411	15013	5754
00:21	MP80268-S2	1700	77941	15013	5824
00:27	JB69663-6	1816	81808	15349	5926
00:33	MP80268-SD1	1943	85369	15432	6294
00:39	ZZZZZZ	1773	79042	15126	5982
00:46	MA34319-CCV11	1873	80141	15106	5863
00:52	MA34319-CCB12	1980	86789	15461	6547
00:58	ZZZZZZ	1924	83547	15645	6001
01:04	ZZZZZZ	1892	83633	15471	6258
01:10	ZZZZZZ	1887	84996	15472	6260
01:17	ZZZZZZ	1853	83295	15374	6155
01:23	ZZZZZZ	1827	82221	15422	5844
01:29	ZZZZZZ	1781	81162	15603	5531
01:36	ZZZZZZ	1968	86055	15724	6028
01:42	ZZZZZZ	1947	85751	15578	6097
01:48	ZZZZZZ	1850	82492	15500	5908
01:55	ZZZZZZ	1734	78741	15059	5739
02:01	MA34319-CCV12	1895	82872	15143	5948
02:07	MA34319-CCB13	1992	88713	15442	6621
02:13	ZZZZZZ	1976	87312	15504	6499
02:19	ZZZZZZ	1891	83601	15460	6037
02:26	ZZZZZZ	1845	81735	15535	5811

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:32	ZZZZZZ	1967	85482	15851	6058
02:38	ZZZZZZ	1973	85384	15901	6066
02:44	ZZZZZZ	2028	88811	16455	6056
02:50	ZZZZZZ	1912	83175	15610	5899
02:56	ZZZZZZ	1968	85165	15779	6030
03:03	MP80276-MB1	1979	88485	15628	6582
03:09	MP80276-B1	1917	84642	15285	6147
03:15	MA34319-CCV13	1899	83116	15223	5951
03:21	MA34319-CCB14	1983	87725	15419	6582
03:27	MP80276-S1	1864	83487	15806	6328
03:34	MP80276-S2	1861	83940	15855	6372
03:40	JB69784-1	1927	85339	16017	6422
03:46	MP80276-SD1	1970	86306	15498	6394
03:52	ZZZZZZ	1974	86930	15968	6105
03:58	ZZZZZZ	1856	82478	15476	5768
04:04	ZZZZZZ	1881	83704	15914	6399
04:10	ZZZZZZ	1951	85442	16153	6443
04:17	ZZZZZZ	1923	83898	15760	6356
04:23	JB69926-18	1989	86719	15941	6163
04:29	MA34319-CCV14	1889	81270	15157	5899
04:35	MA34319-CCB15	1999	87240	15493	6600
04:41	ZZZZZZ	1904	83430	15593	5938
04:47	ZZZZZZ	1924	84678	15716	5938
04:53	ZZZZZZ	1850	81391	15283	5789
05:00	ZZZZZZ	1938	84791	15705	6091
05:06	ZZZZZZ	1924	83915	15470	6002
05:12	ZZZZZZ	1915	84098	15600	5978
05:18	ZZZZZZ	1933	84209	15569	6070
05:24	ZZZZZZ	1895	83349	15277	6070
05:30	ZZZZZZ	1887	82330	15456	5914
05:36	ZZZZZZ	1918	83482	15565	6046
05:42	MA34319-CCV15	1900	81179	15105	5922
05:48	MA34319-CCB16	1987	86881	15436	6554

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
05:55	MA34319-CRI3	1968	85284	15309	6407
06:01	MA34319-CRID4	1975	86110	15277	6483
06:07	MA34319-CRIA3	1991	86891	15428	6564
06:14	ZZZZZZ	1975	86570	15486	6534
06:20	ZZZZZZ	1995	86605	15979	6581
06:26	ZZZZZZ	1975	86665	15417	6514
06:33	ZZZZZZ	1972	86139	15307	6512
06:39	MA34319-CCV16	1884	81896	15117	5876
06:45	MA34319-CCB17	1983	86615	15327	6547
06:51	ZZZZZZ	1919	83759	15589	6042
06:57	ZZZZZZ	1895	81880	15109	5897
07:04	ZZZZZZ	1953	84435	15795	6029
07:10	ZZZZZZ	1806	77149	15146	5535
07:16	ZZZZZZ	1924	83598	15331	6199
07:22	ZZZZZZ	1923	82253	15106	6202
07:29	ZZZZZZ	1914	82921	15276	6218
07:35	ZZZZZZ	1746	74520	14978	5248
07:41	ZZZZZZ	1786	78493	15321	5535
07:47	ZZZZZZ	1471	62782	14310	4220 !a
07:54	MA34319-CCV17	1889	80958	15287	5915
08:00	MA34319-CCB18	1967	85664	15264	6517
08:06	ZZZZZZ	1741	75903	14703	5337
08:13	ZZZZZZ	1954	84933	15213	6493
08:19	ZZZZZZ	1709	73033	14898	5133
08:25	ZZZZZZ	1756	78085	15260	5472
08:32	ZZZZZZ	1449	61617	14144	4127 !a
08:38	MA34319-CRIA4	1961	85165	15264	6478
08:44	MA34319-CRI4	1939	83887	15352	6353
08:50	MA34319-CRID5	1943	83771	15188	6389
08:57	MA34319-CCV18	1839	78161	14904	5768
09:04	MA34319-CCB19	1950	84915	15240	6459
09:10	ZZZZZZ	1790	79089	15125	5642
09:16	ZZZZZZ	1793	77984	15025	5626

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
Analyst: MET Run ID: MA34319
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:06	ZZZZZZ	1875	79782	14845	5995

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			13:08		13:29		14:26		15:42	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	-4.0	<200	2.8	<200	9.8	<200	2.9	<200
Antimony	6.0	1.4	0.60	<6.0	1.0	<6.0	1.3	<6.0	1.1	<6.0
Arsenic	3.0	1	0.0	<3.0	0.60	<3.0	0.40	<3.0	-1.0	<3.0
Barium	200	.2	0.10	<200	0.10	<200	0.10	<200	0.20	<200
Beryllium	1.0	.2	0.0	<1.0	0.10	<1.0	0.10	<1.0	0.10	<1.0
Bismuth	20	.8								
Boron	100	.8	anr							
Cadmium	3.0	.2	-0.10	<3.0	0.30	<3.0	0.10	<3.0	0.10	<3.0
Calcium	5000	10	1.5	<5000	1.2	<5000	-1.6	<5000	-0.80	<5000
Chromium	10	.5	-0.10	<10	-0.30	<10	-0.10	<10	-0.30	<10
Cobalt	50	.3	-0.20	<50	0.10	<50	-0.10	<50	0.0	<50
Copper	10	1.1	0.40	<10	0.40	<10	-0.20	<10	0.0	<10
Iron	100	3.4	0.60	<100	3.3	<100	3.4	<100	7.6	<100
Lead	3.0	1.3	-0.20	<3.0	0.80	<3.0	0.60	<3.0	-0.10	<3.0
Lithium	20	1.3								
Magnesium	5000	19	12.1	<5000	12.3	<5000	19.1	<5000	23.7	<5000
Manganese	15	.1	0.0	<15	0.20	<15	0.10	<15	0.10	<15
Molybdenum	20	.4								
Nickel	10	.5	0.0	<10	0.50	<10	0.10	<10	-0.40	<10
Palladium	50	1								
Potassium	10000	26	-40	<10000	-5.5	<10000	-24	<10000	-18	<10000
Selenium	10	2.6	-0.60	<10	-1.7	<10	-1.9	<10	1.5	<10
Silicon	200	7.7								
Silver	10	.5	-0.40	<10	-0.60	<10	-0.40	<10	-0.70	<10
Sodium	10000	7.5	-4.7	<10000	9.3	<10000	-12	<10000	4.1	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	0.10	<2.0	0.20	<2.0	1.1	<2.0	1.2	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.0	<50	0.40	<50	0.10	<50	0.30	<50
Zinc	20	1.4	0.0	<20	0.40	<20	-0.10	<20	0.0	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			13:08		13:29		14:26		15:42	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			16:52		18:00		19:09		19:40	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	0.0	<200	2.0	<200	-3.1	<200	-1.0	<200
Antimony	6.0	1.4	1.2	<6.0	0.80	<6.0	0.90	<6.0	1.3	<6.0
Arsenic	3.0	1	-0.50	<3.0	-1.0	<3.0	-0.60	<3.0	-1.7	<3.0
Barium	200	.2	0.10	<200	0.20	<200	0.30	<200	0.30	<200
Beryllium	1.0	.2	0.0	<1.0	0.10	<1.0	0.10	<1.0	0.20	<1.0
Bismuth	20	.8								
Boron	100	.8	anr							
Cadmium	3.0	.2	0.10	<3.0	-0.10	<3.0	0.10	<3.0	0.10	<3.0
Calcium	5000	10	1.8	<5000	1.8	<5000	4.0	<5000	7.9	<5000
Chromium	10	.5	-0.20	<10	-0.20	<10	0.30	<10	0.20	<10
Cobalt	50	.3	-0.20	<50	-0.10	<50	-0.10	<50	0.10	<50
Copper	10	1.1	0.10	<10	-0.10	<10	-0.30	<10	0.0	<10
Iron	100	3.4	0.90	<100	2.6	<100	4.3	<100	7.9	<100
Lead	3.0	1.3	0.60	<3.0	0.0	<3.0	-0.20	<3.0	1.1	<3.0
Lithium	20	1.3								
Magnesium	5000	19	7.0	<5000	15.6	<5000	22.2	<5000	12.8	<5000
Manganese	15	.1	0.0	<15	0.10	<15	0.10	<15	0.30	<15
Molybdenum	20	.4								
Nickel	10	.5	0.0	<10	0.0	<10	0.20	<10	0.20	<10
Palladium	50	1								
Potassium	10000	26	-31	<10000	-23	<10000	-4.0	<10000	23.8	<10000
Selenium	10	2.6	-1.6	<10	0.60	<10	-0.30	<10	-0.20	<10
Silicon	200	7.7								
Silver	10	.5	-0.30	<10	-0.70	<10	-0.50	<10	-0.40	<10
Sodium	10000	7.5	0.40	<10000	-3.0	<10000	58.0	<10000	96.3	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	0.40	<2.0	0.20	<2.0	0.30	<2.0	0.60	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.20	<50	0.10	<50	0.20	<50	0.40	<50
Zinc	20	1.4	1.1	<20	0.90	<20	1.2	<20	1.2	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			16:52		18:00		19:09		19:40	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time: / Sample ID:			20:48 CCB8		21:32 CCB9		22:35 CCB10		23:43 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	13.6	<200	5.9	<200	4.7	<200	6.1	<200
Antimony	6.0	1.4	0.90	<6.0	1.3	<6.0	2.3	<6.0	1.5	<6.0
Arsenic	3.0	1	-1.1	<3.0	-0.60	<3.0	-1.5	<3.0	-0.40	<3.0
Barium	200	.2	0.60	<200	0.60	<200	0.70	<200	0.70	<200
Beryllium	1.0	.2	0.40	<1.0	0.40	<1.0	0.30	<1.0	0.50	<1.0
Bismuth	20	.8								
Boron	100	.8	anr							
Cadmium	3.0	.2	0.30	<3.0	0.30	<3.0	0.20	<3.0	0.30	<3.0
Calcium	5000	10	14.1	<5000	15.4	<5000	10.2	<5000	9.9	<5000
Chromium	10	.5	0.10	<10	0.30	<10	0.10	<10	0.10	<10
Cobalt	50	.3	0.30	<50	0.20	<50	0.20	<50	0.20	<50
Copper	10	1.1	0.20	<10	0.0	<10	-0.20	<10	0.0	<10
Iron	100	3.4	10.5	<100	10.2	<100	9.8	<100	13.2	<100
Lead	3.0	1.3	0.70	<3.0	0.70	<3.0	0.80	<3.0	0.20	<3.0
Lithium	20	1.3								
Magnesium	5000	19	16.1	<5000	20.5	<5000	16.2	<5000	12.6	<5000
Manganese	15	.1	0.50	<15	0.50	<15	0.40	<15	0.50	<15
Molybdenum	20	.4								
Nickel	10	.5	0.0	<10	0.10	<10	0.10	<10	0.20	<10
Palladium	50	1								
Potassium	10000	26	-4.3	<10000	21.6	<10000	-23	<10000	-6.1	<10000
Selenium	10	2.6	-0.50	<10	0.60	<10	-0.10	<10	0.40	<10
Silicon	200	7.7								
Silver	10	.5	-1.0	<10	-0.70	<10	-0.50	<10	-0.60	<10
Sodium	10000	7.5	34.9	<10000	41.2	<10000	20.2	<10000	18.8	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	0.60	<2.0	1.6	<2.0	0.70	<2.0	0.50	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.50	<50	0.60	<50	0.50	<50	0.60	<50
Zinc	20	1.4	1.3	<20	1.3	<20	1.1	<20	0.40	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			20:48		21:32		22:35		23:43	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			00:52		02:07		03:21		04:35	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	8.6	<200	1.9	<200	11.7	<200	10.2	<200
Antimony	6.0	1.4	2.9	<6.0	0.40	<6.0	2.2	<6.0	1.6	<6.0
Arsenic	3.0	1	-0.20	<3.0	-1.1	<3.0	0.50	<3.0	-0.70	<3.0
Barium	200	.2	0.70	<200	0.50	<200	0.80	<200	0.50	<200
Beryllium	1.0	.2	0.50	<1.0	0.30	<1.0	0.50	<1.0	0.40	<1.0
Bismuth	20	.8								
Boron	100	.8	anr							
Cadmium	3.0	.2	0.30	<3.0	0.30	<3.0	0.20	<3.0	0.30	<3.0
Calcium	5000	10	12.3	<5000	5.4	<5000	8.5	<5000	4.7	<5000
Chromium	10	.5	0.40	<10	0.30	<10	0.30	<10	0.10	<10
Cobalt	50	.3	0.20	<50	0.40	<50	0.30	<50	0.0	<50
Copper	10	1.1	-0.20	<10	-0.10	<10	-0.20	<10	-0.40	<10
Iron	100	3.4	22.8	<100	13.3	<100	15.9	<100	19.8	<100
Lead	3.0	1.3	1.1	<3.0	0.0	<3.0	0.60	<3.0	0.20	<3.0
Lithium	20	1.3								
Magnesium	5000	19	15.0	<5000	28.3	<5000	24.4	<5000	13.6	<5000
Manganese	15	.1	0.70	<15	1.6	<15	0.70	<15	0.60	<15
Molybdenum	20	.4								
Nickel	10	.5	0.0	<10	0.10	<10	0.10	<10	0.0	<10
Palladium	50	1								
Potassium	10000	26	14.6	<10000	1.1	<10000	2.1	<10000	74.5	<10000
Selenium	10	2.6	0.80	<10	1.4	<10	0.50	<10	1.2	<10
Silicon	200	7.7								
Silver	10	.5	-0.70	<10	-0.70	<10	-0.60	<10	-0.90	<10
Sodium	10000	7.5	18.5	<10000	5.2	<10000	2.8	<10000	13.9	<10000
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	-0.80	<2.0	1.2	<2.0	1.6	<2.0	0.70	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	0.60	<50	0.40	<50	0.60	<50	0.30	<50
Zinc	20	1.4	0.50	<20	0.40	<20	0.40	<20	0.50	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			00:52		02:07		03:21		04:35	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time: / Sample ID:			05:48 CCB16		06:45 CCB17	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	7	-0.20	<200	5.4	<200
Antimony	6.0	1.4	1.8	<6.0	2.2	<6.0
Arsenic	3.0	1	0.40	<3.0	-0.20	<3.0
Barium	200	.2	0.30	<200	0.20	<200
Beryllium	1.0	.2	0.10	<1.0	0.20	<1.0
Bismuth	20	.8				
Boron	100	.8	anr			
Cadmium	3.0	.2	0.20	<3.0	0.30	<3.0
Calcium	5000	10	6.3	<5000	8.7	<5000
Chromium	10	.5	0.0	<10	0.10	<10
Cobalt	50	.3	0.20	<50	0.20	<50
Copper	10	1.1	-0.30	<10	-0.20	<10
Iron	100	3.4	6.0	<100	6.3	<100
Lead	3.0	1.3	1.2	<3.0	0.50	<3.0
Lithium	20	1.3				
Magnesium	5000	19	3.5	<5000	28.7	<5000
Manganese	15	.1	0.30	<15	0.40	<15
Molybdenum	20	.4				
Nickel	10	.5	0.0	<10	0.30	<10
Palladium	50	1				
Potassium	10000	26	-4.6	<10000	-14	<10000
Selenium	10	2.6	0.90	<10	-0.30	<10
Silicon	200	7.7				
Silver	10	.5	-0.50	<10	-0.50	<10
Sodium	10000	7.5	-0.70	<10000	-6.1	<10000
Sulfur	50	3.5				
Strontium	10	.1				
Thallium	2.0	1.6	0.40	<2.0	0.90	<2.0
Tin	10	.8				
Titanium	10	.5				
Tungsten	50	5.6				
Vanadium	50	.3	0.30	<50	0.50	<50
Zinc	20	1.4	2.2	<20	2.3	<20

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34319 Units: ug/l

Time:			05:48		06:45	
Sample ID:			CCB16		CCB17	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.4				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		13:15	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	40000	100.0
Antimony	2000	2010	100.5
Arsenic	2000	2000	100.0
Barium	2000	2020	101.0
Beryllium	2000	2030	101.5
Bismuth			
Boron	anr		
Cadmium	2000	2010	100.5
Calcium	40000	40100	100.3
Chromium	2000	1990	99.5
Cobalt	2000	2020	101.0
Copper	2000	1970	98.5
Iron	40000	40600	101.5
Lead	2000	2040	102.0
Lithium			
Magnesium	40000	39700	99.3
Manganese	2000	2040	102.0
Molybdenum			
Nickel	2000	2050	102.5
Palladium			
Potassium	40000	39900	99.8
Selenium	2000	2000	100.0
Silicon			
Silver	250	245	98.0
Sodium	40000	40300	100.8
Sulfur			
Strontium			
Thallium	2000	2040	102.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2000	100.0
Zinc	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		13:15	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		12:47			14:20			15:36	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39400	98.5	40000	39500	98.8
Antimony	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	1990	99.5	2000	2020	101.0	2000	2020	101.0
Barium	2000	2000	100.0	2000	1980	99.0	2000	2010	100.5
Beryllium	2000	2020	101.0	2000	1980	99.0	2000	2000	100.0
Bismuth									
Boron	anr								
Cadmium	2000	2000	100.0	2000	2000	100.0	2000	1990	99.5
Calcium	40000	39800	99.5	40000	38700	96.8	40000	39600	99.0
Chromium	2000	1980	99.0	2000	1960	98.0	2000	1950	97.5
Cobalt	2000	2010	100.5	2000	2010	100.5	2000	1980	99.0
Copper	2000	1970	98.5	2000	1950	97.5	2000	1910	95.5
Iron	40000	40300	100.8	40000	40000	100.0	40000	40800	102.0
Lead	2000	2030	101.5	2000	2040	102.0	2000	2010	100.5
Lithium									
Magnesium	40000	39400	98.5	40000	38600	96.5	40000	39400	98.5
Manganese	2000	2040	102.0	2000	2050	102.5	2000	2000	100.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2060	103.0	2000	2040	102.0
Palladium									
Potassium	40000	39800	99.5	40000	39000	97.5	40000	39200	98.0
Selenium	2000	1990	99.5	2000	2010	100.5	2000	2010	100.5
Silicon									
Silver	250	244	97.6	250	246	98.4	250	241	96.4
Sodium	40000	40200	100.5	40000	40000	100.0	40000	40200	100.5
Sulfur									
Strontium									
Thallium	2000	2080	104.0	2000	2050	102.5	2000	2060	103.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	2000	100.0	2000	1980	99.0	2000	1920	96.0
Zinc	2000	2040	102.0	2000	2060	103.0	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		12:47			14:20			15:36	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		16:46			17:54			19:03	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40000	100.0	40000	40600	101.5	40000	41500	103.8
Antimony	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2060	103.0
Barium	2000	2020	101.0	2000	2020	101.0	2000	2050	102.5
Beryllium	2000	2000	100.0	2000	2010	100.5	2000	2060	103.0
Bismuth									
Boron	anr								
Cadmium	2000	1960	98.0	2000	1960	98.0	2000	1990	99.5
Calcium	40000	39100	97.8	40000	38700	96.8	40000	39200	98.0
Chromium	2000	1920	96.0	2000	1920	96.0	2000	1960	98.0
Cobalt	2000	1970	98.5	2000	1970	98.5	2000	2000	100.0
Copper	2000	1910	95.5	2000	1940	97.0	2000	2000	100.0
Iron	40000	40900	102.3	40000	40700	101.8	40000	41100	102.8
Lead	2000	2010	100.5	2000	2020	101.0	2000	2040	102.0
Lithium									
Magnesium	40000	39200	98.0	40000	38900	97.3	40000	39400	98.5
Manganese	2000	2030	101.5	2000	2040	102.0	2000	2080	104.0
Molybdenum									
Nickel	2000	2050	102.5	2000	2040	102.0	2000	2070	103.5
Palladium									
Potassium	40000	39500	98.8	40000	39600	99.0	40000	40100	100.3
Selenium	2000	2010	100.5	2000	2000	100.0	2000	2020	101.0
Silicon									
Silver	250	243	97.2	250	244	97.6	250	245	98.0
Sodium	40000	41100	102.8	40000	41700	104.3	40000	42100	105.3
Sulfur									
Strontium									
Thallium	2000	2060	103.0	2000	2060	103.0	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1920	96.0	2000	1960	98.0	2000	2010	100.5
Zinc	2000	2040	102.0	2000	2040	102.0	2000	1000000000HH50000000.0*	

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		16:46			17:54			19:03	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		19:34			20:42			21:26	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40600	101.5	40000	40900	102.3	40000	40900	102.3
Antimony	2000	2040	102.0	2000	2050	102.5	2000	2030	101.5
Arsenic	2000	2050	102.5	2000	2050	102.5	2000	2020	101.0
Barium	2000	2030	101.5	2000	2030	101.5	2000	2030	101.5
Beryllium	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Bismuth									
Boron	anr								
Cadmium	2000	1970	98.5	2000	1960	98.0	2000	1940	97.0
Calcium	40000	38900	97.3	40000	38500	96.3	40000	38500	96.3
Chromium	2000	1910	95.5	2000	1900	95.0	2000	1890	94.5
Cobalt	2000	1970	98.5	2000	1970	98.5	2000	1970	98.5
Copper	2000	1940	97.0	2000	1940	97.0	2000	1930	96.5
Iron	40000	40900	102.3	40000	40500	101.3	40000	40500	101.3
Lead	2000	2010	100.5	2000	2020	101.0	2000	2020	101.0
Lithium									
Magnesium	40000	38900	97.3	40000	38700	96.8	40000	38700	96.8
Manganese	2000	2020	101.0	2000	2040	102.0	2000	2040	102.0
Molybdenum									
Nickel	2000	2060	103.0	2000	2060	103.0	2000	2050	102.5
Palladium									
Potassium	40000	39600	99.0	40000	39700	99.3	40000	39600	99.0
Selenium	2000	2030	101.5	2000	2030	101.5	2000	2010	100.5
Silicon									
Silver	250	244	97.6	250	245	98.0	250	244	97.6
Sodium	40000	41600	104.0	40000	42200	105.5	40000	42300	105.8
Sulfur									
Strontium									
Thallium	2000	2080	104.0	2000	2090	104.5	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1930	96.5	2000	1940	97.0	2000	1930	96.5
Zinc	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		19:34			20:42			21:26	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		22:29			23:37			00:46	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41900	104.8	40000	41100	102.8	40000	41000	102.5
Antimony	2000	1990	99.5	2000	2030	101.5	2000	2030	101.5
Arsenic	2000	1980	99.0	2000	2030	101.5	2000	2020	101.0
Barium	2000	2050	102.5	2000	2050	102.5	2000	2040	102.0
Beryllium	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Bismuth									
Boron	anr								
Cadmium	2000	1900	95.0	2000	1960	98.0	2000	1970	98.5
Calcium	40000	39100	97.8	40000	39900	99.8	40000	39600	99.0
Chromium	2000	1920	96.0	2000	1940	97.0	2000	1950	97.5
Cobalt	2000	1930	96.5	2000	1970	98.5	2000	1990	99.5
Copper	2000	1960	98.0	2000	1940	97.0	2000	1940	97.0
Iron	40000	41100	102.8	40000	41300	103.3	40000	40900	102.3
Lead	2000	1980	99.0	2000	2020	101.0	2000	2040	102.0
Lithium									
Magnesium	40000	39400	98.5	40000	40000	100.0	40000	39600	99.0
Manganese	2000	2080	104.0	2000	2050	102.5	2000	2070	103.5
Molybdenum									
Nickel	2000	2030	101.5	2000	2060	103.0	2000	2070	103.5
Palladium									
Potassium	40000	40400	101.0	40000	39900	99.8	40000	39800	99.5
Selenium	2000	1970	98.5	2000	2020	101.0	2000	2010	100.5
Silicon									
Silver	250	248	99.2	250	246	98.4	250	246	98.4
Sodium	40000	43400	108.5	40000	42500	106.3	40000	42500	106.3
Sulfur									
Strontium									
Thallium	2000	2030	101.5	2000	2070	103.5	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1970	98.5	2000	1950	97.5	2000	1960	98.0
Zinc	2000	2010	100.5	2000	2050	102.5	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		22:29			23:37			00:46	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		02:01			03:15			04:29	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	39900	99.8	40000	40800	102.0
Antimony	2000	2020	101.0	2000	2010	100.5	2000	2030	101.5
Arsenic	2000	2030	101.5	2000	2010	100.5	2000	2030	101.5
Barium	2000	2010	100.5	2000	2000	100.0	2000	2010	100.5
Beryllium	2000	2010	100.5	2000	1980	99.0	2000	1990	99.5
Bismuth									
Boron	anr								
Cadmium	2000	1940	97.0	2000	1920	96.0	2000	1950	97.5
Calcium	40000	40000	100.0	40000	39100	97.8	40000	38700	96.8
Chromium	2000	1920	96.0	2000	1900	95.0	2000	1910	95.5
Cobalt	2000	1950	97.5	2000	1930	96.5	2000	1970	98.5
Copper	2000	1860	93.0	2000	1850	92.5	2000	1920	96.0
Iron	40000	41000	102.5	40000	40400	101.0	40000	39800	99.5
Lead	2000	2010	100.5	2000	1990	99.5	2000	2030	101.5
Lithium									
Magnesium	40000	39800	99.5	40000	39200	98.0	40000	38700	96.8
Manganese	2000	2020	101.0	2000	2010	100.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2070	103.5	2000	2050	102.5	2000	2070	103.5
Palladium									
Potassium	40000	39100	97.8	40000	39100	97.8	40000	39800	99.5
Selenium	2000	2000	100.0	2000	1980	99.0	2000	2000	100.0
Silicon									
Silver	250	241	96.4	250	240	96.0	250	245	98.0
Sodium	40000	41900	104.8	40000	42200	105.5	40000	43100	107.8
Sulfur									
Strontium									
Thallium	2000	2040	102.0	2000	2010	100.5	2000	2050	102.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1870	93.5	2000	1860	93.0	2000	1930	96.5
Zinc	2000	2060	103.0	2000	2040	102.0	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		02:01			03:15			04:29	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		05:42			06:39	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40900	102.3	40000	41200	103.0
Antimony	2000	2020	101.0	2000	2040	102.0
Arsenic	2000	2010	100.5	2000	2020	101.0
Barium	2000	2020	101.0	2000	2020	101.0
Beryllium	2000	2010	100.5	2000	2010	100.5
Bismuth						
Boron	anr					
Cadmium	2000	1940	97.0	2000	1960	98.0
Calcium	40000	38800	97.0	40000	38500	96.3
Chromium	2000	1920	96.0	2000	1880	94.0
Cobalt	2000	1970	98.5	2000	1990	99.5
Copper	2000	1920	96.0	2000	1900	95.0
Iron	40000	39700	99.3	40000	39400	98.5
Lead	2000	2030	101.5	2000	2040	102.0
Lithium						
Magnesium	40000	38600	96.5	40000	38300	95.8
Manganese	2000	2050	102.5	2000	2020	101.0
Molybdenum						
Nickel	2000	2060	103.0	2000	2080	104.0
Palladium						
Potassium	40000	40100	100.3	40000	40100	100.3
Selenium	2000	1990	99.5	2000	2010	100.5
Silicon						
Silver	250	243	97.2	250	240	96.0
Sodium	40000	43300	108.3	40000	43500	108.8
Sulfur						
Strontium						
Thallium	2000	2050	102.5	2000	2060	103.0
Tin						
Titanium						
Tungsten						
Vanadium	2000	1940	97.0	2000	1920	96.0
Zinc	2000	2060	103.0	2000	2070	103.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34319 Units: ug/l

Time:		05:42			06:39	
Sample ID:	CCV	CCV15		CCV	CCV16	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				13:35		13:42		13:48	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	197	98.5	102	102.0	501	100.2
Antimony	6.0	20	3.0	7.5	125.0	3.2	106.7	21.4	107.0
Arsenic	8.0	20	3.0	7.9	98.8	2.8	93.3	20.3	101.5
Barium	200		4.0	205	102.5	4.3	107.5		
Beryllium	2.0		1.0	2.4	120.0	1.1	110.0		
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	3.1	103.3	1.0	100.0		
Calcium	5000		1000	5060	101.2	1010	101.0		
Chromium	10		2.0	10.6	106.0	1.9	95.0		
Cobalt	50		3.0	51.6	103.2	2.9	96.7		
Copper	10		2.0	10.3	103.0	2.2	110.0		
Iron	100	500		112	112.0			547	109.4
Lead	3.0	20	2.5	3.3	110.0	2.5	100.0	22.3	111.5
Lithium	20								
Magnesium	5000		100	5210	104.2	126	126.0		
Manganese	15		3.0	16.3	108.7	3.3	110.0		
Molybdenum	20								
Nickel	10		4.0	10.8	108.0	4.2	105.0		
Palladium	50								
Potassium	5000		2000	4960	99.2	2040	102.0		
Selenium	10	20	5.0	12.4	124.0	3.8	76.0	19.6	98.0
Silicon	200								
Silver	5.0		1.0	4.5	90.0	0.60	60.0*(a)		
Sodium	5000		1000	4990	99.8	1020	102.0		
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.8	118.0	2.0	100.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	53.6	107.2	2.1	105.0		
Zinc	20		10	23.4	117.0	11.5	115.0		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				13:35		13:42		13:48	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				14:46		21:38		21:44	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	98.6	98.6	209	104.5	124	124.0
Antimony	6.0	20	3.0	3.7	123.3	7.4	123.3	4.1	136.7*(a
Arsenic	8.0	20	3.0	2.6	86.7	7.6	95.0	2.6	86.7
Barium	200		4.0	4.1	102.5	208	104.0	4.2	105.0
Beryllium	2.0		1.0	1.1	110.0	2.3	115.0	1.1	110.0
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	0.90	90.0	3.0	100.0	1.0	100.0
Calcium	5000		1000	1000	100.0	4910	98.2	980	98.0
Chromium	10		2.0	1.7	85.0	10.1	101.0	1.8	90.0
Cobalt	50		3.0	3.1	103.3	50.1	100.2	2.9	96.7
Copper	10		2.0	2.1	105.0	9.5	95.0	1.4	70.0
Iron	100	500				109	109.0		
Lead	3.0	20	2.5	3.0	120.0	2.5	83.3	3.1	124.0
Lithium	20								
Magnesium	5000		100	114	114.0	5090	101.8	135	135.0*(a
Manganese	15		3.0	3.3	110.0	16.3	108.7	3.2	106.7
Molybdenum	20								
Nickel	10		4.0	4.1	102.5	10.6	106.0	3.8	95.0
Palladium	50								
Potassium	5000		2000	1990	99.5	4930	98.6	1990	99.5
Selenium	10	20	5.0	5.9	118.0	12.1	121.0	5.1	102.0
Silicon	200								
Silver	5.0		1.0	0.50	50.0*(a)	4.5	90.0	0.30U	0.0* (a)
Sodium	5000		1000	1030	103.0	5250	105.0	1060	106.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0	1.7	85.0	10.8	108.0	2.6	130.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	2.0	100.0	51.7	103.4	2.1	105.0
Zinc	20		10	11.1	111.0	23.5	117.5	11.1	111.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				14:46		21:38		21:44	
Sample ID:	CRI	CRIA	CRID	CRID2		CRI2		CRID3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				21:51		05:55		06:01	
Sample ID:	CRI	CRIA	CRID	CRIA2		CRI3		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	511	102.2	197	98.5	122	122.0
Antimony	6.0	20	3.0	22.0	110.0	6.6	110.0	4.5	150.0*(a
Arsenic	8.0	20	3.0	19.5	97.5	8.0	100.0	2.2	73.3
Barium	200		4.0			205	102.5	4.1	102.5
Beryllium	2.0		1.0			2.3	115.0	1.1	110.0
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0			2.9	96.7	1.0	100.0
Calcium	5000		1000			4820	96.4	982	98.2
Chromium	10		2.0			10.1	101.0	1.9	95.0
Cobalt	50		3.0			50.4	100.8	2.9	96.7
Copper	10		2.0			9.3	93.0	1.5	75.0
Iron	100	500		532	106.4	109	109.0		
Lead	3.0	20	2.5	21.1	105.5	3.8	126.7	2.7	108.0
Lithium	20								
Magnesium	5000		100			4950	99.0	138	138.0*(a
Manganese	15		3.0			16.4	109.3	3.2	106.7
Molybdenum	20								
Nickel	10		4.0			10.8	108.0	4.2	105.0
Palladium	50								
Potassium	5000		2000			4990	99.8	2070	103.5
Selenium	10	20	5.0	20.7	103.5	12.1	121.0	4.8	96.0
Silicon	200								
Silver	5.0		1.0			3.9	78.0	0.30U	0.0* (a)
Sodium	5000		1000			5400	108.0	1090	109.0
Sulfur	50								
Strontium	10								
Thallium	10		2.0			10.0	100.0	2.0	100.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0			52.6	105.2	2.0	100.0
Zinc	20		10			23.9	119.5	11.5	115.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				21:51		05:55		06:01	
Sample ID:	CRI	CRIA	CRID	CRIA2		CRI3		CRID4	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element at this RL in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				06:07	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	510	102.0
Antimony	6.0	20	3.0	21.8	109.0
Arsenic	8.0	20	3.0	18.9	94.5
Barium	200		4.0		
Beryllium	2.0		1.0		
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0		
Calcium	5000		1000		
Chromium	10		2.0		
Cobalt	50		3.0		
Copper	10		2.0		
Iron	100	500		518	103.6
Lead	3.0	20	2.5	21.3	106.5
Lithium	20				
Magnesium	5000		100		
Manganese	15		3.0		
Molybdenum	20				
Nickel	10		4.0		
Palladium	50				
Potassium	5000		2000		
Selenium	10	20	5.0	21.1	105.5
Silicon	200				
Silver	5.0		1.0		
Sodium	5000		1000		
Sulfur	50				
Strontium	10				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0		
Zinc	20		10		

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LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34319 Units: ug/l

Time:				06:07	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34319 Units: ug/l

Time:			13:54		14:01		14:33		14:40	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	517000	103.4	520000	104.0	501000	100.2	516000	103.2
Antimony		1000	-3.9		1080	108.0	-8.0		1070	107.0
Arsenic		1000	6.8* (a)		1120	112.0	3.7		1110	111.0
Barium		500	-0.90		526	105.2	-0.80		526	105.2
Beryllium		500	0.0		517	103.4	0.0		516	103.2
Bismuth		500	8.4		589	117.8	9.2		588	117.6
Boron			-15		-28		-15		-27	
Cadmium		1000	0.60		1050	105.0	0.90		1040	104.0
Calcium	400000	400000	395000	98.8	379000	94.8	383000	95.8	374000	93.5
Chromium		500	0.70		472	94.4	0.50		467	93.4
Cobalt		500	0.60		485	97.0	0.70		481	96.2
Copper		500	5.1		534	106.8	5.3		534	106.8
Iron	200000	200000	191000	95.5	197000	98.5	187000	93.5	196000	98.0
Lead		1000	3.2		962	96.2	2.8		956	95.6
Lithium		500	5.1		572	114.4	4.3		567	113.4
Magnesium	500000	500000	548000	109.6	541000	108.2	534000	106.8	535000	107.0
Manganese		500	1.1		509	101.8	1.1		508	101.6
Molybdenum		500	6.6		516	103.2	6.7		514	102.8
Nickel		1000	3.0		987	98.7	2.7		977	97.7
Palladium		500	-39		523	104.6	-38		517	103.4
Potassium			13.5		-12		8.0		-39	
Selenium		1000	-6.7		1080	108.0	-8.2		1070	107.0
Silicon			-8.1		-20		-8.5		-20	
Silver		1000	5.5		1070	107.0	5.1		1060	106.0
Sodium			0.20		-0.90		-8.9		-2.3	
Sulfur		500	-56		443	88.6	-57		442	88.4
Strontium			-0.50		-0.40		-0.20		-0.30	
Thallium		1000	0.70		938	93.8	-3.5		933	93.3
Tin			7.0		7.7		6.9		6.9	
Titanium			3.1		5.0		3.0		5.1	
Tungsten		500	12.4		525	105.0	12.3		520	104.0
Vanadium		500	-1.2		485	97.0	-0.60		485	97.0
Zinc		1000	-0.40		974	97.4	-0.20		965	96.5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34319 Units: ug/l

Time:			13:54		14:01		14:33		14:40	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	22.8*		561	112.2	22.4*		557	111.4

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34319 Units: ug/l

Time:			21:57		22:03	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	511000	102.2	513000	102.6
Antimony		1000	-5.4		1070	107.0
Arsenic		1000	2.7		1100	110.0
Barium		500	-0.70		517	103.4
Beryllium		500	0.0		505	101.0
Bismuth		500	8.0		578	115.6
Boron			-15		-26	
Cadmium		1000	0.90		999	99.9
Calcium	400000	400000	373000	93.3	361000	90.3
Chromium		500	0.90		445	89.0
Cobalt		500	0.50		465	93.0
Copper		500	5.0		516	103.2
Iron	200000	200000	186000	93.0	192000	96.0
Lead		1000	4.5		940	94.0
Lithium		500	4.9		564	112.8
Magnesium	500000	500000	527000	105.4	520000	104.0
Manganese		500	1.1		495	99.0
Molybdenum		500	6.3		501	100.2
Nickel		1000	1.8		976	97.6
Palladium		500	-35		506	101.2
Potassium			-5.9		-27	
Selenium		1000	-5.7		1060	106.0
Silicon			-8.2		-18	
Silver		1000	4.9		1040	104.0
Sodium			11.0		13.9	
Sulfur		500	-42		449	89.8
Strontium			-0.10		-0.20	
Thallium		1000	0.40		932	93.2
Tin			6.8		6.5	
Titanium			2.7		4.9	
Tungsten		500	4.7		492	98.4
Vanadium		500	-0.50		460	92.0
Zinc		1000	-0.70		951	95.1

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062514M1.ICP Date Analyzed: 06/25/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34319 Units: ug/l

Time:			21:57		22:03	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Zirconium		500	21.8*		525	105.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:57	MA34331-STD1	1		STDA
13:03	MA34331-STD2	1		STDB
13:10	ZZZZZZ	1		
13:16	ZZZZZZ	1		
13:22	MA34331-ICV1	1		
13:28	MA34331-ICB1	1		
13:34	MA34331-CCV1	1		
13:40	MA34331-CCB1	1		
13:47	MA34331-CRI1	1		
13:53	MA34331-CRID1	1		
13:59	MA34331-CRIA1	1		
14:06	MA34331-ICSA1	1		
14:12	MA34331-ICSAB1	1		
14:18	MA34331-CCV2	1		
14:24	MA34331-CCB2	1		
14:31	ZZZZZZ	1		
14:38	MA34331-CRI2	1		
14:45	MA34331-CRID2	1		
14:51	ZZZZZZ	1		
14:57	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:16	MA34331-CCV3	1		
15:23	MA34331-CCB3	1		
15:29	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:48	ZZZZZZ	2		
15:54	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:06	ZZZZZZ	2		
16:12	ZZZZZZ	1		
16:19	MP80281-MB1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:25	MA34331-CCV4	1		
16:31	MA34331-CCB4	1		
16:37	MP80281-LC1	1		
16:44	MP80281-S1	1		
16:50	MP80281-S1	5		
16:56	MP80281-S2	1		
17:02	MP80281-S2	5		
17:08	JB69865-6	1		(sample used for QC only; not part of login JB69926)
17:15	JB69865-6	5		(sample used for QC only; not part of login JB69926)
17:21	MP80281-SD1	5		
17:27	MP80281-SD1	25		
17:34	MA34331-CCV5	1		
17:40	MA34331-CCB5	1		
17:46	ZZZZZZ	3		
17:52	ZZZZZZ	10		
17:58	ZZZZZZ	5		
18:05	ZZZZZZ	10		
18:11	ZZZZZZ	25		
18:17	ZZZZZZ	1		
18:23	MP80268-S2	2		
18:29	ZZZZZZ	2		
18:35	ZZZZZZ	2		
18:42	MA34331-CCV6	1		
18:48	MA34331-CCB6	1		
18:54	ZZZZZZ	10		
19:00	ZZZZZZ	10		
19:07	ZZZZZZ	10		
19:13	ZZZZZZ	1		
19:19	MP80276-S1	5		
19:25	MP80276-S2	5		
19:31	JB69784-1	5		(sample used for QC only; not part of login JB69926)
19:38	MP80276-SD1	25		
---------->	Last reportable sample/prep for job JB69926			
19:44	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:50	MA34331-CCV7	1		
19:56	MA34331-CCB7	1		
20:02	ZZZZZZ	3		
20:08	ZZZZZZ	2		
20:15	MP80306-MB1	1		
20:21	MP80306-MB2	1		
20:27	MP80306-LC1	1		
20:33	MP80306-LC2	1		
20:39	MP80306-S1	1		
20:45	MP80306-S2	1		
20:52	JB70163-1	1		(sample used for QC only; not part of login JB69926)
20:58	MA34331-CCV8	1		
21:04	MA34331-CCB8	1		
21:10	MA34331-CRI3	1		
21:16	MA34331-CRID3	1		
21:23	MA34331-CRIA2	1		
21:29	MA34331-ICSA2	1		
21:35	MA34331-ICSAB2	1		
21:42	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:54	ZZZZZZ	1		
22:01	ZZZZZZ	1		
22:07	MA34331-CCV9	1		
22:13	MA34331-CCB9	1		ZN CCB out.
---------->	Last reportable CCB for job JB69926			
22:19	MP80306-SD1	5		zn ccb out.see rerun.
22:26	ZZZZZZ	1		
22:32	ZZZZZZ	1		
22:39	MA34331-CCV10	1		
22:46	MA34331-CCB10	1		
22:52	MP80306-SD1	1		rerun for zn.no dilution factor.
22:58	ZZZZZZ	1		
23:04	ZZZZZZ	1		
23:11	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:17	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:29	ZZZZZZ	1		
23:36	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:48	MA34331-CCV11	1		
23:54	MA34331-CCB11	1		
00:00	ZZZZZZ	1		
00:07	ZZZZZZ	1		
00:13	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:25	ZZZZZZ	1		
00:32	ZZZZZZ	1		
00:38	ZZZZZZ	1		
00:44	ZZZZZZ	1		
00:50	ZZZZZZ	1		
00:56	MA34331-CCV12	1		
01:02	MA34331-CCB12	1		
01:09	ZZZZZZ	1		
01:15	MP80308-MB1	1		
01:21	MP80308-LC1	1		
01:27	MP80308-S1	1		
01:33	MP80308-S2	1		
01:40	JB70131-4	1		(sample used for QC only; not part of login JB69926)
01:40	ZZZZZZ	1		
01:46	MP80308-SD1	5		
01:52	ZZZZZZ	1		
01:58	ZZZZZZ	1		
02:04	ZZZZZZ	1		
02:11	MA34331-CCV13	1		
02:17	MA34331-CCB13	1		
02:23	ZZZZZZ	1		
02:29	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:35	ZZZZZZ	1		
02:42	ZZZZZZ	1		
02:48	ZZZZZZ	1		
02:54	ZZZZZZ	1		
03:00	ZZZZZZ	1		
03:07	ZZZZZZ	1		
03:07	JB70131-4	1		(sample used for QC only; not part of login JB69926)
03:13	ZZZZZZ	1		
03:19	ZZZZZZ	1		
03:25	MA34331-CCV14	1		
03:31	MA34331-CCB14	1		TL CCB OUT 2PPB
03:38	ZZZZZZ	1		
03:44	ZZZZZZ	1		
03:50	ZZZZZZ	1		
03:57	ZZZZZZ	1		
04:03	ZZZZZZ	1		
04:09	ZZZZZZ	1		
04:16	MA34331-CCV15	1		
04:22	MA34331-CCB15	1		
04:28	MA34331-CRI4	1		
04:34	MA34331-CRID4	1		
04:40	MA34331-CRIA3	1		
04:47	MA34331-CCV16	1		
04:53	MA34331-CCB16	1		
04:59	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:12	ZZZZZZ	1		
05:18	ZZZZZZ	1		
05:25	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:57	MA34331-STD1	1972 R	104940 R	13740 R	6733 R
13:03	MA34331-STD2	1800	92973	13293	5692
13:10	ZZZZZZ	1872	96558	13422	5966
13:16	ZZZZZZ	1970	103930	13603	6708
13:22	MA34331-ICV1	1887	98747	13708	6020
13:28	MA34331-ICB1	1977	104850	13842	6714
13:34	MA34331-CCV1	1848	95866	13423	5902
13:40	MA34331-CCB1	1932	103640	13614	6593
13:47	MA34331-CRI1	1926	102090	13543	6476
13:53	MA34331-CRID1	1948	103210	13567	6602
13:59	MA34331-CRIA1	1971	104420	13813	6670
14:06	MA34331-ICSA1	1677	88088	12724	5198
14:12	MA34331-ICSAB1	1669	89349	12908	5194
14:18	MA34331-CCV2	1874	97576	13488	5971
14:24	MA34331-CCB2	1949	103440	13660	6644
14:31	ZZZZZZ	1936	101890	13466	6532
14:38	MA34331-CRI2	1912	102160	13628	6419
14:45	MA34331-CRID2	1957	103580	13723	6619
14:51	ZZZZZZ	1843	98731	13784	6104
14:57	ZZZZZZ	1799	96329	13672	5900
15:04	ZZZZZZ	1683	93710	13790	5611
15:10	ZZZZZZ	1665	91347	13566	5588
15:16	MA34331-CCV3	1826	95015	13381	5856
15:23	MA34331-CCB3	1919	102920	13419	6553
15:29	ZZZZZZ	1928	105160	13736	6640
15:35	ZZZZZZ	1808	97813	13335	5983
15:42	ZZZZZZ	1836	99196	13506	6058
15:48	ZZZZZZ	1783	96172	13246	5899
15:54	ZZZZZZ	1765	95529	13161	5777
16:00	ZZZZZZ	1715	91910	13106	5513
16:06	ZZZZZZ	1786	96405	13238	5889
16:12	ZZZZZZ	1651	88986	13000	5265
16:19	MP80281-MB1	1918	102220	13690	6587

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:25	MA34331-CCV4	1889	99272	13590	6059
16:31	MA34331-CCB4	1939	104000	13494	6622
16:37	MP80281-LC1	1906	101710	13594	6386
16:44	MP80281-S1	1659	88265	13075	5024
16:50	MP80281-S1	1869	98726	13676	5976
16:56	MP80281-S2	1663	88131	13188	5033
17:02	MP80281-S2	1863	97491	13661	5952
17:08	JB69865-6	1692	89396	13109	5139
17:15	JB69865-6	1855	97633	13394	5958
17:21	MP80281-SD1	1855	97371	13267	5971
17:27	MP80281-SD1	1911	98632	13512	6389
17:34	MA34331-CCV5	1881	99135	13599	6030
17:40	MA34331-CCB5	1968	103350	13587	6691
17:46	ZZZZZZ	1848	97860	13337	5999
17:52	ZZZZZZ	1903	101170	13549	6226
17:58	ZZZZZZ	1912	100820	13501	6267
18:05	ZZZZZZ	1878	100170	13306	6160
18:11	ZZZZZZ	1857	97716	13353	5950
18:17	ZZZZZZ	1954	104220	13620	6676
18:23	MP80268-S2	1760	94756	13130	5911
18:29	ZZZZZZ	1833	97441	13399	6152
18:35	ZZZZZZ	1796	97121	13582	5683
18:42	MA34331-CCV6	1882	98812	13414	6025
18:48	MA34331-CCB6	1958	104370	13585	6656
18:54	ZZZZZZ	1896	100250	13501	6198
19:00	ZZZZZZ	1927	102120	13379	6393
19:07	ZZZZZZ	1887	100810	13394	6278
19:13	ZZZZZZ	1967	105670	13599	6719
19:19	MP80276-S1	1935	100950	13654	6393
19:25	MP80276-S2	1924	100340	13477	6372
19:31	JB69784-1	1970	104600	13771	6537
19:38	MP80276-SD1	1964	103480	13277	6587
19:44	ZZZZZZ	1940	102590	13605	6453

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:50	MA34331-CCV7	1875	97214	13255	5982
19:56	MA34331-CCB7	1963	103670	13317	6675
20:02	ZZZZZZ	1957	102520	13682	6459
20:08	ZZZZZZ	1946	101890	13716	6455
20:15	MP80306-MB1	1964	104770	13565	6702
20:21	MP80306-MB2	1951	103940	13387	6667
20:27	MP80306-LC1	1937	103100	13547	6476
20:33	MP80306-LC2	1934	102740	13403	6482
20:39	MP80306-S1	1883	99681	13391	6127
20:45	MP80306-S2	1872	98826	13363	6096
20:52	JB70163-1	1925	101880	13402	6407
20:58	MA34331-CCV8	1909	97941	13343	6074
21:04	MA34331-CCB8	1974	105090	13255	6736
21:10	MA34331-CRI3	1950	103800	13309	6563
21:16	MA34331-CRID3	1972	104320	13271	6675
21:23	MA34331-CRIA2	1988	105120	13456	6736
21:29	MA34331-ICSA2	1736	89314	12630	5350
21:35	MA34331-ICSAB2	1712	89618	12596	5303
21:42	ZZZZZZ	1991	103860	13524	6749
21:48	ZZZZZZ	1981	104630	13312	6731
21:54	ZZZZZZ	1962	103720	13267	6736
22:01	ZZZZZZ	2010	104780	13461	6779
22:07	MA34331-CCV9	1897	97259	13171	6027
22:13	MA34331-CCB9	2001	104340	13353	6759
22:19	MP80306-SD1	1971	103320	13306	6669
22:26	ZZZZZZ	1974	104710	13321	6727
22:32	ZZZZZZ	1895	100430	13298	6234
22:39	MA34331-CCV10	1901	98333	13128	6063
22:46	MA34331-CCB10	2021	106650	13458	6844
22:52	MP80306-SD1	No results reported for the elements associated with this internal standard.			
22:58	ZZZZZZ	1993	105760	13389	6786
23:04	ZZZZZZ	No results reported for the elements associated with this internal standard.			
23:11	ZZZZZZ	1866	96994	13087	5935

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:17	ZZZZZZ	1920	100230	13565	6349
23:23	ZZZZZZ	1892	100140	13144	6231
23:29	ZZZZZZ	1923	101350	13310	6332
23:36	ZZZZZZ	1881	98812	13178	6148
23:42	ZZZZZZ	1906	101970	13255	6406
23:48	MA34331-CCV11	1908	99069	13173	6088
23:54	MA34331-CCB11	2009	104300	13337	6791
00:00	ZZZZZZ	1929	107320	13425	6476
00:07	ZZZZZZ	1791	95342	12971	5708
00:13	ZZZZZZ	1934	102330	13208	6453
00:19	ZZZZZZ	1989	105290	13282	6778
00:25	ZZZZZZ	1994	104950	13272	6771
00:32	ZZZZZZ	1950	102580	13366	6499
00:38	ZZZZZZ	1960	103570	13332	6541
00:44	ZZZZZZ	1949	103220	13306	6507
00:50	ZZZZZZ	1932	102620	13180	6497
00:56	MA34331-CCV12	1899	97751	13001	6052
01:02	MA34331-CCB12	1996	104840	13134	6763
01:09	ZZZZZZ	1931	102280	13261	6484
01:15	MP80308-MB1	1980	105650	13273	6758
01:21	MP80308-LC1	1938	102150	13128	6455
01:27	MP80308-S1	1911	100290	13129	6143
01:33	MP80308-S2	1892	99788	12955	6092
01:40	JB70131-4	1963	103380	13222	6475
01:40	ZZZZZZ	1963	103380	13222	6475
01:46	MP80308-SD1	2007	105680	13342	6779
01:52	ZZZZZZ	1891	100210	12898	6229
01:58	ZZZZZZ	1945	102570	13153	6562
02:04	ZZZZZZ	1898	100590	13067	6290
02:11	MA34331-CCV13	1914	98529	13121	6104
02:17	MA34331-CCB13	1994	104740	13190	6782
02:23	ZZZZZZ	1984	105970	13243	6794
02:29	ZZZZZZ	1931	102010	13133	6356

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:35	ZZZZZZ	1960	103400	13255	6499
02:42	ZZZZZZ	1972	103930	13294	6548
02:48	ZZZZZZ	1891	100220	13058	6243
02:54	ZZZZZZ	7742 !a	313360 !a	23669 !a	24086 !a
03:00	ZZZZZZ	1958	103590	13181	6513
03:07	ZZZZZZ	1974	104190	13228	6517
03:07	JB70131-4	1974	104190	13228	6517
03:13	ZZZZZZ	1984	105560	13222	6776
03:19	ZZZZZZ	1941	102140	13111	6382
03:25	MA34331-CCV14	1910	97675	12882	6076
03:31	MA34331-CCB14	1992	104830	12985	6773
03:38	ZZZZZZ	1976	103730	13250	6547
03:44	ZZZZZZ	1918	101730	12985	6361
03:50	ZZZZZZ	1435	75627	11999	4247 !a
03:57	ZZZZZZ	1598	83622	12406	4839
04:03	ZZZZZZ	1560	81040	12263	4652 !a
04:09	ZZZZZZ	1511	78308	12039	4477 !a
04:16	MA34331-CCV15	1897	98143	12724	6052
04:22	MA34331-CCB15	1996	104970	12874	6768
04:28	MA34331-CRI4	1959	102940	12714	6589
04:34	MA34331-CRID4	2009	105990	13051	6814
04:40	MA34331-CRIA3	1988	105260	12798	6749
04:47	MA34331-CCV16	1906	98852	12702	6083
04:53	MA34331-CCB16	1997	105890	12855	6798
04:59	ZZZZZZ	1986	105020	12824	6769
05:06	ZZZZZZ	1998	105470	12934	6772
05:12	ZZZZZZ	1996	106000	12894	6801
05:18	ZZZZZZ	1940	103630	12724	6769
05:25	ZZZZZZ	1996	107450	13094	6870

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

INTERNAL STANDARD SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
Analyst: RR Run ID: MA34331
Parameters: Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34331 Units: ug/l

Time: / Sample ID:			13:28 ICB1		13:40 CCB1		14:24 CCB2		15:23 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	anr							
Antimony	6.0	1.4	anr							
Arsenic	3.0	1	anr							
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.20	<3.0	0.30	<3.0	0.30	<3.0	0.10	<3.0
Calcium	5000	10	anr							
Chromium	10	.5	0.10	<10	0.30	<10	0.20	<10	0.30	<10
Cobalt	50	.3	anr							
Copper	10	1.1	0.0	<10	0.20	<10	0.30	<10	0.0	<10
Iron	100	3.4	1.3	<100	4.5	<100	3.4	<100	1.9	<100
Lead	3.0	1.3	-0.40	<3.0	-0.80	<3.0	-0.90	<3.0	-1.0	<3.0
Lithium	20	1.3								
Magnesium	5000	19	anr							
Manganese	15	.1	anr							
Molybdenum	20	.4								
Nickel	10	.5	-0.20	<10	-0.10	<10	-0.10	<10	0.0	<10
Palladium	50	1								
Potassium	10000	26	anr							
Selenium	10	2.6	-0.10	<10	0.40	<10	-0.30	<10	-0.30	<10
Silicon	200	7.7								
Silver	10	.5	0.0	<10	0.10	<10	0.10	<10	0.10	<10
Sodium	10000	7.5	anr							
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	0.0	<2.0	-0.40	<2.0	1.9	<2.0	0.40	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	anr							
Zinc	20	1.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34331 Units: ug/l

Time:			13:28		13:40		14:24		15:23	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34331 Units: ug/l

Time: / Sample ID:			16:31 CCB4		17:40 CCB5		18:48 CCB6		19:56 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7	anr							
Antimony	6.0	1.4	anr							
Arsenic	3.0	1	anr							
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	.8								
Boron	100	.8								
Cadmium	3.0	.2	0.10	<3.0	0.20	<3.0	0.30	<3.0	0.30	<3.0
Calcium	5000	10	anr							
Chromium	10	.5	0.10	<10	0.10	<10	-0.10	<10	0.40	<10
Cobalt	50	.3	anr							
Copper	10	1.1	-0.10	<10	0.0	<10	0.20	<10	0.0	<10
Iron	100	3.4	2.3	<100	5.6	<100	8.2	<100	7.2	<100
Lead	3.0	1.3	-0.10	<3.0	-0.40	<3.0	-0.10	<3.0	-0.50	<3.0
Lithium	20	1.3								
Magnesium	5000	19	anr							
Manganese	15	.1	anr							
Molybdenum	20	.4								
Nickel	10	.5	0.0	<10	-0.20	<10	0.20	<10	-0.10	<10
Palladium	50	1								
Potassium	10000	26	anr							
Selenium	10	2.6	-0.40	<10	0.50	<10	2.2	<10	0.20	<10
Silicon	200	7.7								
Silver	10	.5	0.0	<10	0.0	<10	0.10	<10	-0.10	<10
Sodium	10000	7.5	anr							
Sulfur	50	3.5								
Strontium	10	.1								
Thallium	2.0	1.6	0.50	<2.0	0.60	<2.0	1.5	<2.0	1.7	<2.0
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	5.6								
Vanadium	50	.3	anr							
Zinc	20	1.4	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34331 Units: ug/l

Time:			16:31		17:40		18:48		19:56	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.4								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34331 Units: ug/l

Time: / Sample ID:			21:04 CCB8		22:13 CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	7	anr			
Antimony	6.0	1.4	anr			
Arsenic	3.0	1	anr			
Barium	200	.2	anr			
Beryllium	1.0	.2	anr			
Bismuth	20	.8				
Boron	100	.8				
Cadmium	3.0	.2	0.30	<3.0	0.10	<3.0
Calcium	5000	10	anr			
Chromium	10	.5	0.20	<10	0.20	<10
Cobalt	50	.3	anr			
Copper	10	1.1	0.0	<10	0.10	<10
Iron	100	3.4	6.4	<100	1.9	<100
Lead	3.0	1.3	0.80	<3.0	-0.10	<3.0
Lithium	20	1.3				
Magnesium	5000	19	anr			
Manganese	15	.1	anr			
Molybdenum	20	.4				
Nickel	10	.5	0.20	<10	0.60	<10
Palladium	50	1				
Potassium	10000	26	anr			
Selenium	10	2.6	-0.60	<10	-0.40	<10
Silicon	200	7.7				
Silver	10	.5	0.0	<10	-0.10	<10
Sodium	10000	7.5	anr			
Sulfur	50	3.5				
Strontium	10	.1				
Thallium	2.0	1.6	1.7	<2.0	0.50	<2.0
Tin	10	.8				
Titanium	10	.5				
Tungsten	50	5.6				
Vanadium	50	.3	anr			
Zinc	20	1.4	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA34331 Units: ug/l

Time:			21:04		22:13	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.4				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		13:22			13:34			14:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1990	99.5	2000	2040	102.0	2000	2000	100.0
Calcium	anr								
Chromium	2000	1960	98.0	2000	2020	101.0	2000	1970	98.5
Cobalt	anr								
Copper	2000	1920	96.0	2000	1980	99.0	2000	1950	97.5
Iron	40000	39600	99.0	40000	40500	101.3	40000	39900	99.8
Lead	2000	2010	100.5	2000	2060	103.0	2000	2030	101.5
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	2000	2010	100.5	2000	2060	103.0	2000	2030	101.5
Palladium									
Potassium	anr								
Selenium	2000	1970	98.5	2000	2020	101.0	2000	1980	99.0
Silicon									
Silver	250	240	96.0	250	247	98.8	250	242	96.8
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2040	102.0	2000	2090	104.5	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		13:22			13:34			14:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		15:16			16:25			17:34	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2020	101.0	2000	1980	99.0	2000	1990	99.5
Calcium	anr								
Chromium	2000	1990	99.5	2000	1950	97.5	2000	1960	98.0
Cobalt	anr								
Copper	2000	1990	99.5	2000	1900	95.0	2000	1910	95.5
Iron	40000	39900	99.8	40000	39600	99.0	40000	39200	98.0
Lead	2000	2040	102.0	2000	1980	99.0	2000	2000	100.0
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	2000	2030	101.5	2000	1980	99.0	2000	2000	100.0
Palladium									
Potassium	anr								
Selenium	2000	2010	100.5	2000	1960	98.0	2000	1980	99.0
Silicon									
Silver	250	245	98.0	250	238	95.2	250	238	95.2
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2100	105.0	2000	2090	104.5	2000	2110	105.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		15:16			16:25			17:34	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		18:42			19:50			20:58	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2000	100.0	2000	2020	101.0	2000	1990	99.5
Calcium	anr								
Chromium	2000	1980	99.0	2000	1990	99.5	2000	1980	99.0
Cobalt	anr								
Copper	2000	1920	96.0	2000	1960	98.0	2000	1960	98.0
Iron	40000	39500	98.8	40000	39600	99.0	40000	39000	97.5
Lead	2000	2020	101.0	2000	2040	102.0	2000	2020	101.0
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	2000	2010	100.5	2000	2040	102.0	2000	2010	100.5
Palladium									
Potassium	anr								
Selenium	2000	1980	99.0	2000	1990	99.5	2000	1960	98.0
Silicon									
Silver	250	241	96.4	250	244	97.6	250	243	97.2
Sodium	anr								
Sulfur									
Strontium									
Thallium	2000	2110	105.5	2000	2140	107.0	2000	2080	104.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		18:42			19:50			20:58	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		22:07	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	2000	2010	100.5
Calcium	anr		
Chromium	2000	2000	100.0
Cobalt	anr		
Copper	2000	1980	99.0
Iron	40000	39500	98.8
Lead	2000	2040	102.0
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	2000	2040	102.0
Palladium			
Potassium	anr		
Selenium	2000	1980	99.0
Silicon			
Silver	250	245	98.0
Sodium	anr		
Sulfur			
Strontium			
Thallium	2000	2150	107.5
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA34331 Units: ug/l

Time:		22:07	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34331 Units: ug/l

Time:				13:47		13:53		13:59	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.0	100.0	1.1	110.0		
Calcium	5000		1000	anr					
Chromium	10		2.0	11.0	110.0	2.0	100.0		
Cobalt	50		3.0	anr					
Copper	10		2.0	9.8	98.0	1.8	90.0		
Iron	100	500		105	105.0			522	104.4
Lead	3.0	20	2.5	2.8	93.3	2.7	108.0	20.6	103.0
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	10.1	101.0	4.1	102.5		
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	12.1	121.0	4.3	86.0	20.9	104.5
Silicon	200								
Silver	5.0		1.0	5.1	102.0	0.90	90.0		
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	10.0	100.0	1.9	95.0		
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34331 Units: ug/l

Time:				13:47		13:53		13:59	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34331 Units: ug/l

Time:				14:38		14:45		21:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	3.2	106.7	1.1	110.0	3.3	110.0
Calcium	5000		1000	anr					
Chromium	10		2.0	10.5	105.0	2.2	110.0	10.7	107.0
Cobalt	50		3.0	anr					
Copper	10		2.0	9.8	98.0	1.9	95.0	9.9	99.0
Iron	100	500		105	105.0			107	107.0
Lead	3.0	20	2.5	3.8	126.7	2.4	96.0	2.8	93.3
Lithium	20								
Magnesium	5000		100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	10.3	103.0	3.8	95.0	10.5	105.0
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	12.2	122.0	3.9	78.0	12.7	127.0
Silicon	200								
Silver	5.0		1.0	5.1	102.0	0.80	80.0	5.0	100.0
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	11.4	114.0	2.0	100.0	11.1	111.0
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34331 Units: ug/l

Time:				14:38		14:45		21:10	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRI3	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34331 Units: ug/l

Time:				21:16		21:23	
Sample ID:	CRI	CRIA	CRID	CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr			
Antimony	6.0	20	3.0	anr			
Arsenic	8.0	20	3.0	anr			
Barium	200		4.0	anr			
Beryllium	2.0		1.0	anr			
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	1.3	130.0		
Calcium	5000		1000	anr			
Chromium	10		2.0	2.4	120.0		
Cobalt	50		3.0	anr			
Copper	10		2.0	2.1	105.0		
Iron	100	500				518	103.6
Lead	3.0	20	2.5	2.0	80.0	20.6	103.0
Lithium	20						
Magnesium	5000		100	anr			
Manganese	15		3.0	anr			
Molybdenum	20						
Nickel	10		4.0	4.0	100.0		
Palladium	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0	4.3	86.0	20.7	103.5
Silicon	200						
Silver	5.0		1.0	0.80	80.0		
Sodium	5000		1000	anr			
Sulfur	50						
Strontium	10						
Thallium	10		2.0	2.4	120.0		
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	anr			
Zinc	20		10	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA34331 Units: ug/l

Time:				21:16		21:23	
Sample ID:	CRI	CRIA	CRID	CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

10.3.4 10

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34331 Units: ug/l

Time: / Sample ID: / Metal	ICSA True	ICSAB True	14:06 ICSA1 Results	% Rec	14:12 ICSAB1 Results	% Rec	21:29 ICSA2 Results	% Rec	21:35 ICSAB2 Results	% Rec
Aluminum	500000	500000	510000	102.0	501000	100.2	511000	102.2	509000	101.8
Antimony		1000	-2.8		1070	107.0	-3.2		1050	105.0
Arsenic		1000	3.7		1120	112.0	1.4		1090	109.0
Barium		500	-0.90		507	101.4	-1.0		512	102.4
Beryllium		500	0.0		502	100.4	0.0		503	100.6
Bismuth		500	1.6		572	114.4	1.1		561	112.2
Boron			-13		-16		-14		-16	
Cadmium		1000	1.4		1060	106.0	1.1		1050	105.0
Calcium	400000	400000	393000	98.3	370000	92.5	385000	96.3	374000	93.5
Chromium		500	0.80		465	93.0	1.4		469	93.8
Cobalt		500	0.40		485	97.0	0.50		482	96.4
Copper		500	5.0		525	105.0	4.2		524	104.8
Iron	200000	200000	187000	93.5	190000	95.0	182000	91.0	189000	94.5
Lead		1000	2.7		961	96.1	5.1		952	95.2
Lithium		500	4.4		551	110.2	5.9		567	113.4
Magnesium	500000	500000	544000	108.8	529000	105.8	531000	106.2	527000	105.4
Manganese		500	1.6		492	98.4	1.5		497	99.4
Molybdenum		500	7.1		519	103.8	6.3		510	102.0
Nickel		1000	-4.3		973	97.3	-4.1		962	96.2
Palladium		500	-41		512	102.4	-40		512	102.4
Potassium			59.2		-9.5		53.2		-18	
Selenium		1000	-2.8		1110	111.0	0.0		1080	108.0
Silicon			-1.6		-5.3		-3.1		-7.7	
Silver		1000	5.6		1040	104.0	5.5		1040	104.0
Sodium			-8.4		-3.1		-10		-5.9	
Sulfur		500	-53		451	90.2	-53		443	88.6
Strontium			-0.60		-0.50		-0.50		-0.50	
Thallium		1000	0.70		960	96.0	3.2		977	97.7
Tin			11.7		11.7		11.0		11.9	
Titanium			2.1		5.1		2.3		5.1	
Tungsten		500	14.4		535	107.0	9.5		521	104.2
Vanadium		500	-0.70		475	95.0	-0.90		479	95.8
Zinc		1000	-2.8		970	97.0	-2.4		961	96.1

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: SB062614M1.ICP Date Analyzed: 06/26/14 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA34331 Units: ug/l

Time:			14:06		14:12		21:29		21:35	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	22.0*		558	111.6	21.8*		556	111.2

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34338
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:02	MA34338-STD1	1		B=2.3616e-004,C=-7.4555e-003,R=0.9997349
12:03	MA34338-STD2	1		STDB
12:05	MA34338-STD3	1		STDC
12:06	MA34338-STD4	1		STDD
12:07	MA34338-STD5	1		STDE
12:09	MA34338-STD6	1		STDF
12:15	MA34338-ICV1	1		
12:16	MA34338-ICB1	1		
12:18	MA34338-CCV1	1		
12:19	MA34338-CCB1	1		
12:21	MA34338-CRI1	1		
12:40	MP80329-MB1	1		
12:41	MP80329-LC1	1		
12:42	MP80329-S1	1		
12:44	MP80329-S2	1		
12:45	ZZZZZZ	1		
12:47	JB69653-1	1		(sample used for QC only; not part of login JB69926)
12:48	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:51	ZZZZZZ	1		
12:52	MA34338-CCV2	1		
12:54	MA34338-CCB2	1		
12:55	ZZZZZZ	1		
12:56	ZZZZZZ	1		
12:58	ZZZZZZ	1		
12:59	ZZZZZZ	1		
13:00	ZZZZZZ	1		
13:02	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:04	ZZZZZZ	1		
13:06	ZZZZZZ	1		
13:07	ZZZZZZ	1		
13:08	MA34338-CCV3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34338
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:09	MA34338-CCB3	1		
13:11	ZZZZZZ	1		
13:12	ZZZZZZ	1		
13:14	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:16	MP80330-MB1	1		
13:18	MP80330-LC1	1		
13:19	MP80330-S1	1		
13:20	MP80330-S2	1		
13:22	MP80330-S3	1		
13:23	MP80330-S4	1		
13:25	MA34338-CCV4	1		
13:26	MA34338-CCB4	1		
13:28	JB69800-4	1		(sample used for QC only; not part of login JB69926)
13:29	JB69800-4F	1		(sample used for QC only; not part of login JB69926)
13:31	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:35	ZZZZZZ	1		
13:36	ZZZZZZ	1		
13:37	ZZZZZZ	1		
13:38	ZZZZZZ	1		
13:40	ZZZZZZ	1		
13:41	MA34338-CCV5	1		
13:42	MA34338-CCB5	1		
13:44	ZZZZZZ	1		
13:45	ZZZZZZ	1		
13:47	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:52	MP80331-MB1	1		
13:53	MP80331-LC1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34338
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:54	MP80331-S1	1		
13:56	MP80331-S2	1		
13:57	MA34338-CCV6	1		
13:59	MA34338-CCB6	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	JB69806-3	1		(sample used for QC only; not part of login JB69926)
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:07	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:10	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:14	MA34338-CCV7	1		
14:15	MA34338-CCB7	1		
14:17	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:23	JB69926-11	1		
---------->	Last reportable sample/prep for job JB69926			
14:24	MP80346-MB1	1		
14:26	MP80346-LC1	1		
14:27	MP80346-S1	1		
14:29	MP80346-S2	1		
14:30	MA34338-CCV8	1		
14:32	MA34338-CCB8	1		
14:33	ZZZZZZ	1		
14:34	ZZZZZZ	1		
14:36	JB69886-3	1		(sample used for QC only; not part of login JB69926)
14:37	ZZZZZZ	1		
14:38	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34338
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:40	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:42	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:45	ZZZZZZ	1		
14:46	MA34338-CCV9	1		
14:48	MA34338-CCB9	1		
14:49	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:52	ZZZZZZ	1		
14:53	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:56	ZZZZZZ	1		
14:57	MP80347-MB1	1		
14:58	MP80347-LC1	1		
15:00	MP80347-S1	1		
15:01	MP80347-S2	1		
15:03	MA34338-CCV10	1		
15:04	MA34338-CCB10	1		
15:06	JB69781-1	1		(sample used for QC only; not part of login JB69926)
15:07	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:24	ZZZZZZ	2		
15:28	MA34338-CRI2	1		
15:36	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:41	MA34338-CCV11	1		
15:42	MA34338-CCB11	1		
---------->	Last reportable CCB for job JB69926			
15:44	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:48	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
Analyst: JW Run ID: MA34338
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:50	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:57	ZZZZZZ	1		
15:58	MA34338-CCV12	1		
15:59	MA34338-CCB12	1		
16:01	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:16	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:19	MA34338-CCV13	1		
16:20	MA34338-CCB13	1		
16:32	MA34338-CRI3	1		
16:38	MA34338-CCV14	1		
16:39	MA34338-CCB14	1		

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA34338 Units: ug/l

Time: / Sample ID:			12:16 ICB1		12:19 CCB1		12:54 CCB2		13:09 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.063	<0.20	-0.058	<0.20	-0.063	<0.20	-0.050	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA34338 Units: ug/l

Time: / Sample ID:			13:26 CCB4		13:42 CCB5		13:59 CCB6		14:15 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.065	<0.20	-0.042	<0.20	-0.051	<0.20	-0.039	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: result < RL Run ID: MA34338 Units: ug/l

Time:			14:32		14:48		15:04		15:42	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.024	-0.041	<0.20	-0.037	<0.20	-0.050	<0.20	-0.031	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34338 Units: ug/l

Time:		12:15			12:18			12:52	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34338 Units: ug/l

Time:		13:08			13:25			13:41	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.6	104.0	2.5	2.6	104.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

10.4.2
10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34338 Units: ug/l

Time:		13:57			14:14			14:30	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.6	104.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA34338 Units: ug/l

Time:		14:46			15:03			15:41	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.6	104.0	2.5	2.6	104.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

10.4.2
10

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H7062714W2.CSV Date Analyzed: 06/27/14 Methods: SW846 7470A
QC Limits: 70 to 130 % Recovery Run ID: MA34338 Units: ug/l

Time:			12:21		15:28	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.20	100.0	0.19	95.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34346
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:20	MA34346-STD1	1		STDA
12:21	MA34346-STD2	1		STDB
12:22	MA34346-STD3	1		STDC
12:24	MA34346-STD4	1		STDD
12:25	MA34346-STD5	1		STDE
12:27	MA34346-STD6	1		STDF
12:31	MA34346-ICV1	1		
12:32	MA34346-ICB1	1		
12:33	MA34346-CCV1	1		
12:35	MA34346-CCB1	1		
12:36	MA34346-CRI1	1		
13:07	MP80381-MB1	1		
13:08	MP80381-LC1	2		
13:09	MP80381-S1	1		
13:11	MP80381-S2	1		
13:12	MP80381-D1	1		
13:14	JB69746-9	1		(sample used for QC only; not part of login JB69926)
13:15	ZZZZZZ	1		
13:17	ZZZZZZ	1		
13:18	MA34346-CCV2	1		
13:19	MA34346-CCB2	1		
13:21	ZZZZZZ	1		
13:22	ZZZZZZ	1		
13:23	ZZZZZZ	1		
13:25	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:28	ZZZZZZ	1		
13:29	ZZZZZZ	1		
13:30	ZZZZZZ	1		
13:32	ZZZZZZ	1		
13:33	ZZZZZZ	1		
13:35	MA34346-CCV3	1		
13:36	MA34346-CCB3	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34346
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:38	ZZZZZZ	1		
13:39	ZZZZZZ	1		
13:41	ZZZZZZ	1		
13:42	ZZZZZZ	20		
13:43	ZZZZZZ	20		
13:45	ZZZZZZ	20		
13:46	ZZZZZZ	20		
13:48	MP80382-MB1	1		
13:49	MP80382-LC1	2		
13:50	MA34346-CCV4	1		
13:52	MA34346-CCB4	1		
13:53	MP80382-S1	1		
13:55	MP80382-S2	1		
13:56	JB69784-1	1		(sample used for QC only; not part of login JB69926)
13:58	ZZZZZZ	1		
13:59	ZZZZZZ	1		
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:07	MA34346-CCV5	1		
14:08	MA34346-CCB5	1		
14:10	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:19	ZZZZZZ	1		
14:20	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:24	ZZZZZZ	1		
14:26	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
Analyst: DP Run ID: MA34346
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	14:27	MA34346-CCV6	1		
	14:29	MA34346-CCB6	1		
	14:30	ZZZZZZ	1		
	14:32	JB69926-18	1		
----------->		Last reportable sample/prep for job JB69926			
	14:33	MP80383-MB1	1		
	14:34	MP80383-LC1	2		
	14:36	MP80383-S1	1		
	14:37	MP80383-S2	1		
	14:39	JB70284-2	1		(sample used for QC only; not part of login JB69926)
	14:40	ZZZZZZ	1		
	14:41	ZZZZZZ	1		
	14:44	ZZZZZZ	5		
	14:45	MA34346-CCV7	1		
	14:47	MA34346-CCB7	1		
	14:48	ZZZZZZ	1		
	14:50	ZZZZZZ	2		
	14:51	ZZZZZZ	1		
	14:53	ZZZZZZ	2		
	14:54	ZZZZZZ	5		
	14:56	ZZZZZZ	10		
	14:57	ZZZZZZ	1		
	14:59	ZZZZZZ	1		
	15:00	ZZZZZZ	2		
	15:06	ZZZZZZ	5		
	15:08	MA34346-CCV8	1		
	15:09	MA34346-CCB8	1		
	15:50	MA34346-CRI2	1		
	15:52	MA34346-CCV9	1		
	15:53	MA34346-CCB9	1		
----------->		Last reportable CCB for job JB69926			

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34346 Units: ug/l

Time:			12:32		12:35		13:19		13:36	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.062	<0.20	-0.058	<0.20	-0.051	<0.20	-0.087	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34346 Units: ug/l

Time:			13:52		14:08		14:29		14:47	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.031	-0.037	<0.20	-0.030	<0.20	-0.071	<0.20	-0.063	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA34346 Units: ug/l

Time:			15:09		15:53	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Mercury	0.20	.031	-0.043	<0.20	-0.025	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34346 Units: ug/l

Time:		12:31			12:33			13:18	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	2.5	2.6	104.0	2.5	2.6	104.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.2
10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34346 Units: ug/l

Time:		13:35			13:50			14:07	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.6	104.0	2.5	2.7	108.0	2.5	2.7	108.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.2 10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34346 Units: ug/l

Time:		14:27			14:45			15:08	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.7	108.0	2.5	2.7	108.0	2.5	2.7	108.0

(*) Outside of QC limits
(anr) Analyte not requested

10.5.2
10

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA34346 Units: ug/l

Time:		15:52	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Mercury	2.5	2.8	112.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

File ID: H8063014S1.CSV Date Analyzed: 06/30/14 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA34346 Units: ug/l

Time:			12:36		15:50	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.19	95.0	0.24	120.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80218
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/23/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	6.7	11	11.3	<200
Antimony	6.0	1.3	2.6	0.20	<6.0
Arsenic	3.0	1.2	2.6	0.20	<3.0
Barium	200	.2	1	0.60	<200
Beryllium	1.0	.04	.4	0.0	<1.0
Bismuth	20	1.2	2.4		
Boron	100	1.2	4.9		
Cadmium	3.0	.2	.7	0.10	<3.0
Calcium	5000	8.7	19	22.5	<5000
Chromium	10	.3	.89	0.30	<10
Cobalt	50	.4	.83	-0.20	<50
Copper	10	.5	1.2	0.40	<10
Iron	100	3.8	12	9.3	<100
Lead	3.0	1.3	1.3	-0.80	<3.0
Lithium	20	.8	2.8		
Magnesium	5000	12	41	8.7	<5000
Manganese	15	.04	.48	0.10	<15
Molybdenum	20	.5	1.1		
Nickel	10	.7	.75	-0.40	<10
Palladium	50	1	3.2		
Potassium	10000	17	50	19.3	<10000
Selenium	10	2	3.6	-1.0	<10
Silicon	200	8.4	24		
Silver	10	.3	1.2	-0.10	<10
Sodium	10000	7.1	19	-2.5	<10000
Sulfur	50	4.4	10		
Strontium	10	.09	.76		
Thallium	10	1.4	1.8	-1.1	<10
Tin	10	.8	3.6		
Titanium	10	.4	.93		
Tungsten	50	11	14		
Vanadium	50	.3	.87	0.0	<50
Zinc	20	1.5	7.6	-2.1	<20

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80218
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/23/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.6	1.9		

Associated samples MP80218: JB69926-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80218
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/23/14

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum	4970	5000	99.4	80-120
Antimony	500	500	100.0	80-120
Arsenic	513	500	102.6	80-120
Barium	511	500	102.2	80-120
Beryllium	523	500	104.6	80-120
Bismuth				
Boron				
Cadmium	514	500	102.8	80-120
Calcium	5650	5500	102.7	80-120
Chromium	513	500	102.6	80-120
Cobalt	512	500	102.4	80-120
Copper	483	500	96.6	80-120
Iron	5720	5500	104.0	80-120
Lead	516	500	103.2	80-120
Lithium				
Magnesium	5540	5500	100.7	80-120
Manganese	519	500	103.8	80-120
Molybdenum				
Nickel	531	500	106.2	80-120
Palladium				
Potassium	9790	10000	97.9	80-120
Selenium	515	500	103.0	80-120
Silicon				
Silver	189	200	94.5	80-120
Sodium	9940	10000	99.4	80-120
Sulfur				
Strontium				
Thallium	535	500	107.0	80-120
Tin				
Titanium				
Tungsten				
Vanadium	507	500	101.4	80-120
Zinc	557	500	111.4	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80218
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/23/14

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Zirconium				

Associated samples MP80218: JB69926-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/25/14

Metal	RL	IDL	MDL	MB raw	final
Aluminum	45	.64	1.2	1.4	<45
Antimony	1.8	.13	.25	0.036	<1.8
Arsenic	1.8	.091	.26	-0.11	<1.8
Barium	18	.018	.073	0.091	<18
Beryllium	0.18	.018	.018	0.0	<0.18
Bismuth	1.8	.073	.21		
Boron	9.1	.073	.16		
Cadmium	0.45	.018	.045	0.0	<0.45
Calcium	450	.92	2.8	9.1	<450
Chromium	0.91	.045	.064	0.045	<0.91
Cobalt	4.5	.027	.055	-0.018	<4.5
Copper	2.3	.1	.14	0.0	<2.3
Iron	45	.31	.87	6.5	<45
Lead	1.8	.12	.19	0.064	<1.8
Lithium	1.8	.12	.18		
Magnesium	450	1.7	3.1	4.1	<450
Manganese	1.4	.0091	.055	0.51	<1.4
Molybdenum	1.8	.036	.064		
Nickel	3.6	.045	.091	0.0	<3.6
Palladium	4.5	.091	.24		
Potassium	910	2.4	3.6	0.38	<910
Selenium	1.8	.24	.3	0.036	<1.8
Silicon	18	.7	3.6		
Silver	0.45	.045	.13	-0.082	<0.45
Sodium	910	.68	1.7	0.60	<910
Strontium	0.91	.0091	.027		
Sulfur	4.5	.32	.94		
Thallium	0.91	.15	.37	-0.055	<0.91
Tin	4.5	.073	1.1		
Titanium	0.91	.045	.091		
Tungsten	4.5	.51	4		
Vanadium	4.5	.027	.082	0.027	<4.5
Zinc	1.8	.13	.35	0.34	<1.8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/25/14

Metal	RL	IDL	MDL	MB raw	final
Zirconium	1.8	.036	.24		

Associated samples MP80276: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/25/14

Metal	JB69784-1 Original	MS	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	10500	18400	5660	139.7N(a	75-125
Antimony	1.3	65.0	105	60.8N(a)	75-125
Arsenic	19.4	418	419	95.1	75-125
Barium	47.3	446	419	95.2	75-125
Beryllium	2.9	13.0	10.5	96.4	75-125
Bismuth					
Boron					
Cadmium	0.30	10.3 (b)	10.5	95.5 (b)	75-125
Calcium	4000	5050	1310	80.2	75-125
Chromium	342	450 (b)	41.9	257.8(c)	75-125
Cobalt	3.0	85.7	105	79.0	75-125
Copper	2.4	52.7 (b)	52.4	96.0 (b)	75-125
Iron	92500	119000(b	5450	486.5(c)	75-125
Lead	13.3	120 (b)	105	101.9(b)	75-125
Lithium					
Magnesium	3520	5710	1310	167.3N(a	75-125
Manganese	45.6	147	105	96.8	75-125
Molybdenum					
Nickel	11.5	118 (b)	105	101.7(b)	75-125
Palladium					
Potassium	11600	16000	1310	336.1(c)	75-125
Selenium	3.3	404 (b)	419	95.6 (b)	75-125
Silicon					
Silver	2.7	13.6 (b)	10.5	104.1(b)	75-125
Sodium	82.4	1410	1310	101.4	75-125
Strontium					
Sulfur					
Thallium	0.0	418 (b)	419	99.8 (b)	75-125
Tin					
Titanium					
Tungsten					
Vanadium	110	208	105	93.6	75-125
Zinc	106	211	105	100.2	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/25/14

Metal	JB69784-1 Original MS	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP80276: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Elevated detection limit due to dilution required for high interfering element.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/25/14

Metal	JB69784-1 Original	MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Aluminum	10500	16900	5220	122.6	8.5	20
Antimony	1.3	57.9	96.7	58.5N(a)	11.6	20
Arsenic	19.4	375	387	91.9	10.8	20
Barium	47.3	403	387	92.0	10.1	20
Beryllium	2.9	11.7	9.67	91.0	10.5	20
Bismuth						
Boron						
Cadmium	0.30	9.4 (b)	9.67	94.1 (b)	9.1 (b)	20
Calcium	4000	4810	1210	67.0N(a)	4.9	20
Chromium	342	435 (b)	38.7	240.5(c)	3.4 (b)	20
Cobalt	3.0	73.9	96.7	73.3N(a)	14.8	20
Copper	2.4	46.8 (b)	48.3	91.8 (b)	11.9 (b)	20
Iron	92500	116000(b	5030	467.4(c)	4.2	20
Lead	13.3	108 (b)	96.7	97.9 (b)	10.5 (b)	20
Lithium						
Magnesium	3520	5260	1210	144.0N(a	8.2	20
Manganese	45.6	128	96.7	85.2	13.8	20
Molybdenum						
Nickel	11.5	103 (b)	96.7	94.6 (b)	13.6 (b)	20
Palladium						
Potassium	11600	14900	1210	273.0(c)	7.1	20
Selenium	3.3	368 (b)	387	94.3 (b)	9.3 (b)	20
Silicon						
Silver	2.7	12.6 (b)	9.67	102.4(b)	7.6 (b)	20
Sodium	82.4	1260	1210	97.4	11.2	20
Strontium						
Sulfur						
Thallium	0.0	385 (b)	387	99.5 (b)	8.2 (b)	20
Tin						
Titanium						
Tungsten						
Vanadium	110	197	96.7	90.0	5.4	20
Zinc	106	199	96.7	96.2	5.9	20

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ACCUTEST LABORATORIES
JB69926

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/25/14

Metal	JB69784-1 Original MSD	Spikelot MPIRS1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP80276: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Elevated detection limit due to dilution required for high interfering element.
(c) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/25/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Aluminum	5260	5290	99.4	80-120
Antimony	100	98	102.0	80-120
Arsenic	404	392	103.0	80-120
Barium	395	392	100.7	80-120
Beryllium	10.1	9.8	103.0	80-120
Bismuth				
Boron				
Cadmium	8.9	9.8	90.8	80-120
Calcium	1200	1230	97.9	80-120
Chromium	37.4	39.2	95.4	80-120
Cobalt	93.6	98	95.5	80-120
Copper	45.0	49	91.8	80-120
Iron	5190	5100	101.8	80-120
Lead	99.2	98	101.2	80-120
Lithium				
Magnesium	1240	1230	101.2	80-120
Manganese	100	98	102.0	80-120
Molybdenum				
Nickel	100	98	102.0	80-120
Palladium				
Potassium	1250	1230	102.0	80-120
Selenium	389	392	99.2	80-120
Silicon				
Silver	9.4	9.8	95.9	80-120
Sodium	1330	1230	108.5	80-120
Strontium				
Sulfur				
Thallium	404	392	103.0	80-120
Tin				
Titanium				
Tungsten				
Vanadium	91.8	98	93.6	80-120
Zinc	102	98	104.0	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/25/14

Metal	BSP Result	Spikelot MPIRS1	% Rec	QC Limits
Zirconium				

Associated samples MP80276: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/25/14

Metal	JB69784-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	103000	106000	2.6	0-10
Antimony	12.3	19.7	60.2 (a)	0-10
Arsenic	191	197	3.4	0-10
Barium	464	482	4.0	0-10
Beryllium	28.3	30.0	6.0	0-10
Bismuth				
Boron				
Cadmium	2.90	5.70	96.6 (a)	0-10
Calcium	39200	42100	7.3	0-10
Chromium	3360	3940	17.4*(b)	0-10
Cobalt	29.7	33.9	14.1*(b)	0-10
Copper	23.8	29.6	24.4 (a)	0-10
Iron	908000	928000	23.6*(b)	0-10
Lead	131	146	11.3 (a)	0-10
Lithium				
Magnesium	34500	36700	6.1	0-10
Manganese	447	489	9.3	0-10
Molybdenum				
Nickel	112	122	8.1 (c)	0-10
Palladium				
Potassium	114000	119000	4.4	0-10
Selenium	32.1	78.9	145.8(a)	0-10
Silicon				
Silver	26.1	31.2	19.5 (a)	0-10
Sodium	809	842	4.1	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC (c)	0-10
Tin				
Titanium				
Tungsten				
Vanadium	1080	1150	6.9	0-10
Zinc	1040	1120	7.3	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80276
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/25/14

Metal	JB69784-1 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP80276: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) High rpd due to possible sample nonhomogeneity.
(c) Elevated detection limit due to dilution required for high interfering element.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80331
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/27/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.024	.064	0.017	<0.20

Associated samples MP80331: JB69926-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80331
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/27/14

Metal	JB69806-3 Original	MS	Spikelot HGPW3	% Rec	QC Limits
Mercury	0.15	2.2	2	102.5	75-125

Associated samples MP80331: JB69926-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80331 Methods: SW846 7470A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/27/14

Metal	JB69806-3 Original	MSD	Spikelot HGPW3	% Rec	MSD RPD	QC Limit
Mercury	0.15	2.3	2	107.5	4.4	20

Associated samples MP80331: JB69926-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80331
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/27/14

Metal	LCS Result	Spikelot HGPW3	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP80331: JB69926-11

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80382 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/30/14

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0052	.0075	-0.0028	<0.033

Associated samples MP80382: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80382
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/30/14

Metal	JB69784-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0	0.47	0.451	104.1	75-125

Associated samples MP80382: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80382 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/30/14

Metal	JB69784-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.44	0.446	98.6	6.6	20

Associated samples MP80382: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB69926
Account: LANGAN - Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

QC Batch ID: MP80382
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/30/14

Metal	LCS Result	Spikelot HGLCS54082	% Rec	QC Limits
Mercury	5.5	5.76	95.5	71-129

Associated samples MP80382: JB69926-18

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG7 **Effective Date:** 05/20/14

Analyte	IDL ug/l
Mercury	.02387

The above applies to the following instrument runs:
MA34338

Instrument Detection Limits

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 05/19/14

Analyte	IDL ug/l
Mercury	.0314

The above applies to the following instrument runs:
MA34346

Instrument Detection Limits

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE1 **Effective Date:** 03/20/14

Analyte	IDL ug/l
Aluminum	6.7
Antimony	1.3
Arsenic	1.2
Barium	.2
Beryllium	.04
Bismuth	1.2
Boron	1.2
Cadmium	.2
Calcium	8.7
Chromium	.3
Cobalt	.4
Copper	.5
Iron	3.8
Lead	1.3
Lithium	.8
Magnesium	12.3
Manganese	.04
Molybdenum	.5
Nickel	.7
Palladium	1
Potassium	16.5
Selenium	2
Silicon	8.4
Silver	.3
Sodium	7.1
Sulfur	4.4
Strontium	.09
Thallium	1.4
Tin	.8
Titanium	.4
Tungsten	10.6
Vanadium	.3
Zinc	1.5
Zirconium	.6

The above applies to the following instrument runs:
MA34296

Instrument Detection Limits

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 06/17/14

Analyte	IDL ug/l
Aluminum	7
Antimony	1.4
Arsenic	1
Barium	.2
Beryllium	.2
Bismuth	.8
Boron	.8
Cadmium	.2
Calcium	10.1
Chromium	.5
Cobalt	.3
Copper	1.1
Iron	3.4
Lead	1.3
Lithium	1.3
Magnesium	19
Manganese	.1
Molybdenum	.4
Nickel	.5
Palladium	1
Potassium	26.3
Selenium	2.6
Silicon	7.7
Silver	.5
Sodium	7.5
Sulfur	3.5
Strontium	.1
Thallium	1.6
Tin	.8
Titanium	.5
Tungsten	5.6
Vanadium	.3
Zinc	1.4
Zirconium	.4

The above applies to the following instrument runs:
MA34319,MA34331

Instrument Linear Ranges

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG7 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34338

Instrument Linear Ranges

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: LEEMANHG8 **Effective Date:** 05/13/13

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA34346

Instrument Linear Ranges

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE1 **Effective Date:** 03/25/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	50000
Cadmium	10000
Calcium	500000
Chromium	50000
Cobalt	25000
Copper	25000
Iron	500000
Lead	25000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	25000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Sulfur	100000
Strontium	25000
Thallium	25000
Tin	50000
Titanium	50000
Tungsten	25000
Vanadium	50000
Zinc	50000
Zirconium	50000

The above applies to the following instrument runs:
MA34296

Instrument Linear Ranges

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Instrument ID: SSTRACE2 **Effective Date:** 06/19/14

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	50000
Boron	25000
Cadmium	10000
Calcium	500000
Chromium	50000
Cobalt	25000
Copper	50000
Iron	500000
Lead	50000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	25000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	2000
Sodium	1000000
Sulfur	100000
Strontium	50000
Thallium	25000
Tin	25000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	25000

The above applies to the following instrument runs:
MA34319,MA34331

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/23/2014 10:03:48 Type: Cal
Method: Accutest1(v169) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0008**	**-.0004**	**.0005**	**-.0001**	**.0000**	**.0036**	**.0000**	**-.0002**	**-.0001**
Stddev	.0000	.0001	.0000	.0001	.000	.0000	.0000	.0002	.0000
%RSD	3.505	17.97	3.779	49.71	10.88	.7340	43.68	91.17	12.06
#1	.0008	-.0004	.0005	-.0001	.0000	.0036	.0000	-.0001	-.0001
#2	.0008	-.0005	.0005	-.0002	.0000	.0036	.0000	-.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0040**	**-.0003**	**-.0003**	**-.0002**	**.0002**	**.0004**	**-.0001**	**.0057**
Stddev	.000	.0058	.0000	.0000	.0000	.0000	.0001	.0001	.0002
%RSD	12.22	143.7	5.400	1.931	11.62	4.763	29.59	79.46	2.621
#1	.0000	.0081	-.0003	-.0002	-.0002	.0003	.0005	-.0002	.0058
#2	.0000	-.0001	-.0003	-.0003	-.0002	.0002	.0003	-.0001	.0056

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0000**	**-.0042**	**.0008**	**.0006**	**.0003**	**-.0001**	**.0046**	**.0002**
Stddev	.0000	.000	.0000	.0002	.0005	.0000	.0000	.0005	.0001
%RSD	252.6	35.77	.4654	26.02	90.69	8.175	14.89	10.51	32.34
#1	.0000	.0000	-.0042	.0009	.0010	.0003	-.0002	.0049	.0002
#2	.0000	.0000	-.0042	.0006	.0002	.0004	-.0001	.0042	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0006**	**-.0001**	**.0024**	**-.0002**	**.0057**	**-.0008**	**.0014**
Stddev	.0001	.0000	.0002	.0000	.0068	.0002	.0002
%RSD	13.37	30.06	6.711	4.742	119.0	25.78	12.96
#1	-.0005	-.0001	.0022	-.0002	.0105	-.0006	.0013
#2	-.0006	-.0001	.0025	-.0002	.0009	-.0009	.0016

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/23/2014 10:03:48 Type: Cal
Method: Accutest1(v169) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**211010.**	**49727.**	**3443.5**	**8902.2**
Stddev	1656.	669.	1.7	14.5
%RSD	.78466	1.3462	.04908	.16314
#1	209840.	50201.	3442.3	8891.9
#2	212180.	49254.	3444.7	8912.4

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/23/2014 10:09:56 Type: Cal
Method: Accutest1(v169) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.699**	**10.32**	**4.680**	**1.984**	**.3283**	**.8787**	**1.915**	**1.524**	**.0602**
Stddev	.081	.04	.016	.006	.0049	.0140	.033	.004	.0010
%RSD	1.426	.4040	.3476	.3131	1.501	1.593	1.696	.2432	1.658
#1	5.641	10.35	4.692	1.989	.3248	.8688	1.892	1.527	.0595
#2	5.756	10.29	4.669	1.980	.3317	.8886	1.938	1.522	.0609

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.5174**	**4.548**	**.7162**	**.2015**	**.6610**	**.4671**	**.9292**	**1.832**	**5.878**
Stddev	.0079	.027	.0025	.0004	.0021	.0013	.0021	.010	.026
%RSD	1.529	.5867	.3479	.2093	.3213	.2763	.2262	.5379	.4447
#1	.5118	4.567	.7180	.2018	.6625	.4680	.9307	1.839	5.897
#2	.5230	4.529	.7145	.2013	.6595	.4662	.9278	1.825	5.860

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.707**	**.5428**	**1.080**	**3.958**	**1.014**	**4.104**	**.1817**	**2.936**	**.8302**
Stddev	.023	.0031	.008	.065	.003	.009	.0027	.004	.0033
%RSD	.6254	.5624	.7445	1.635	.2559	.2198	1.479	.1345	.3990
#1	3.723	.5449	1.086	4.004	1.016	4.111	.1798	2.939	.8325
#2	3.691	.5406	1.074	3.913	1.012	4.098	.1836	2.934	.8279

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**9.658**	**.5659**	**1.924**	**1.141**	**.3974**	**1.267**	**1.444**
Stddev	.015	.0091	.004	.019	.0012	.001	.011
%RSD	.1592	1.603	.2276	1.642	.3131	.0534	.7404
#1	9.668	.5595	1.927	1.127	.3982	1.268	1.452
#2	9.647	.5723	1.921	1.154	.3965	1.267	1.437

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/23/2014 10:09:56 Type: Cal
Method: Accutest1(v169) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**192900.**	**48927.**	**3282.4**	**8481.6**
Stddev	2352.	248.	9.8	24.9
%RSD	1.2191	.50732	.29775	.29332
#1	194560.	48752.	3275.4	8464.0
#2	191240.	49103.	3289.3	8499.2

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/23/2014 10:16:30 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.052**	**2.032**	**2.051**	**2.014**	**1.973**	**2.019**	**2.070**	**.2427**
Stddev	.034	.064	.015	.018	.009	.009	.007	.018	.0000
%RSD	1.672	3.126	.7216	.8854	.4259	.4575	.3269	.8732	.0182
#1	1.991	2.007	2.021	2.038	2.020	1.979	2.024	2.057	.2426
#2	2.038	2.097	2.042	2.064	2.008	1.966	2.014	2.083	.2427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.980**	**2.077**	**2.026**	**2.083**	**2.051**	**2.031**	**2.019**	**39.25**	**40.63**
Stddev	.008	.020	.014	.017	.018	.016	.015	.69	.67
%RSD	.4241	.9406	.6823	.8287	.8632	.7793	.7291	1.753	1.654
#1	1.986	2.063	2.016	2.070	2.038	2.019	2.009	38.77	40.16
#2	1.974	2.091	2.036	2.095	2.063	2.042	2.029	39.74	41.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.38**	**39.62**	**39.60**	**40.07**	**2.015**	**2.043**	**1.974**	**4.918**	**2.052**
Stddev	.68	.60	.61	.64	.017	.015	.007	.033	.013
%RSD	1.686	1.523	1.546	1.599	.8595	.7536	.3708	.6599	.6285
#1	39.90	39.19	39.17	39.61	2.003	2.032	1.980	4.895	2.043
#2	40.87	40.05	40.04	40.52	2.027	2.054	1.969	4.941	2.061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 6/23/2014 10:16:30 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.000**	**1.992**	**2.015**	**1.939**	**1.943**	**1.974**
Stddev	.068	.009	.019	.009	.012	.011	.032
%RSD	3.357	.4241	.9418	.4396	.6400	.5496	1.612
#1	1.985	2.006	1.979	2.021	1.930	1.936	1.951
#2	2.081	1.994	2.005	2.009	1.948	1.951	1.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**200910.**	**49563.**	**3355.8**	**8616.8**
Stddev	412.	710.	22.8	63.8
%RSD	.20507	1.4324	.67845	.74056
#1	200620.	50065.	3371.9	8661.9
#2	201210.	49061.	3339.7	8571.6

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/23/2014 10:22:48 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0000**	**.0000**	**.0004**	**-.0001**	**.0000**	**-.0002**
Stddev	.0002	.0000	.0000	.0000	.0003	.0001	.0000	.0002
%RSD	200.5	3.746	110.0	8.340	60.90	121.4	53.37	79.67
#1	.0003	.0001	.0001	.0000	.0006	-.0002	.0000	-.0001
#2	-.0001	.0001	.0000	.0000	.0002	.0000	.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**-.0046**	**.0004**	**-.0011**	**-.0009**	**-.0004**	**.0000**
Stddev	.0002	.0000	.0000	.0002	.0000	.0000	.0004	.001
%RSD	138.1	11.08	.7905	53.31	2.597	1.032	110.2	1539.
#1	.0000	.0001	-.0046	.0006	-.0011	-.0009	-.0001	.0004
#2	-.0003	.0001	-.0045	.0003	-.0011	-.0009	-.0007	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0069**	**.0018**	**.0023**	**-.0069**	**.0385**	**.0070**	**.0008**	**.0018**
Stddev	.0002	.0016	.0004	.0007	.0145	.0045	.0005	.0003
%RSD	3.344	90.11	17.54	10.47	37.61	63.69	60.64	19.60
#1	.0071	.0030	.0026	-.0064	.0283	.0102	.0011	.0020
#2	.0067	.0007	.0020	-.0074	.0488	.0039	.0004	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/23/2014 10:22:48 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0005**	**-.0001**	**.0001**	**.0001**	**.0130**	**.0004**	F **-.0546**
Stddev	.0007	.0004	.0006	.0000	.0000	.0024	.0001	.0021
%RSD	325.7	80.19	466.1	45.71	15.82	18.58	12.87	3.771
#1	-.0007	-.0002	.0003	.0001	.0001	.0147	.0004	-.0561
#2	.0003	-.0009	-.0005	.0000	.0001	.0113	.0004	-.0532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0500
Low Limit								-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0005**	**.0008**
Stddev	.0003	.0001
%RSD	47.87	15.15
#1	.0007	.0007
#2	.0004	.0009
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**210550.**	**50242.**	**3478.6**	**8975.6**
Stddev	695.	1963.	7.7	19.4
%RSD	.32998	3.9075	.22135	.21630
#1	210060.	48854.	3484.0	8989.3
#2	211040.	51631.	3473.1	8961.8

Zoom In Zoom Out

Sample Name: icv Acquired: 6/23/2014 10:29:47 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**2.060**	**2.010**	**2.006**	**1.990**	**1.954**	**2.013**	**2.049**	**.2436**
Stddev	.009	.011	.003	.000	.005	.011	.004	.002	.0001
%RSD	.4294	.5163	.1448	.0097	.2503	.5428	.2019	.0893	.0589
#1	2.004	2.067	2.013	2.006	1.994	1.961	2.016	2.050	.2435
#2	2.016	2.052	2.008	2.006	1.987	1.946	2.010	2.048	.2437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.986**	**2.047**	**2.041**	**2.053**	**2.028**	**2.009**	**1.991**	**39.46**	**41.28**
Stddev	.005	.006	.004	.000	.002	.004	.002	.11	.09
%RSD	.2376	.2745	.1971	.0005	.0838	.1752	.0813	.2733	.2062
#1	1.989	2.051	2.038	2.053	2.029	2.012	1.992	39.38	41.22
#2	1.983	2.043	2.044	2.053	2.027	2.007	1.989	39.54	41.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.27**	**40.59**	**40.70**	**40.63**	**2.039**	**1.946**	**1.963**	**5.064**	**2.002**
Stddev	.13	.02	.09	.13	.001	.004	.009	.006	.003
%RSD	.3159	.0419	.2247	.3199	.0255	.2006	.4627	.1149	.1413
#1	41.17	40.57	40.63	40.54	2.039	1.948	1.970	5.068	2.004
#2	41.36	40.60	40.76	40.72	2.039	1.943	1.957	5.059	2.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/23/2014 10:29:47 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.009**	**2.104**	**2.066**	**1.911**	**1.929**	**2.056**
Stddev	.015	.004	.004	.003	.001	.004	.009
%RSD	.7124	.2224	.1917	.1503	.0247	.1810	.4166
#1	2.025	2.013	2.107	2.068	1.912	1.931	2.049
#2	2.046	2.006	2.101	2.063	1.911	1.926	2.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**201310.**	**49443.**	**3354.0**	**8604.1**
Stddev	143.	122.	5.1	4.3
%RSD	.07127	.24645	.15349	.05011
#1	201210.	49357.	3350.4	8601.0
#2	201410.	49529.	3357.7	8607.1

Zoom In Zoom Out

Sample Name: icb Acquired: 6/23/2014 10:35:58 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0000**	**-.0001**	**.0002**	**.0000**	**.0000**	**-.0002**
Stddev	.0000	.0000	.000	.0002	.0001	.000	.0000	.0000
%RSD	17.00	26.00	190.6	141.0	61.31	519.3	50.82	6.137
#1	.0001	.0001	.0000	.0000	.0001	-.0002	.0001	-.0002
#2	.0000	.0001	-.0001	-.0002	.0003	.0001	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**-.0040**	**.0007**	**.0000**	**-.0007**	**.0000**	**-.0009**
Stddev	.0000	.0000	.0001	.0001	.0005	.0002	.001	.0004
%RSD	38.98	15.27	1.601	15.80	1055.	33.44	1758.	45.36
#1	-.0001	.0002	-.0041	.0008	-.0003	-.0006	.0005	-.0012
#2	-.0001	.0003	-.0040	.0006	.0004	-.0009	-.0006	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0057**	**.0018**	**.0025**	**.0016**	**.0305**	**.0063**	**-.0006**	**.0010**
Stddev	.0023	.0002	.0004	.0004	.0106	.0032	.0005	.0002
%RSD	41.51	10.57	17.55	24.72	34.72	49.97	87.04	18.17
#1	.0073	.0019	.0022	.0013	.0380	.0041	-.0002	.0011
#2	.0040	.0017	.0028	.0019	.0230	.0086	-.0010	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: icb Acquired: 6/23/2014 10:35:58 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0015**	**.0000**	**.0001**	**-.0003**	**.0051**	**.0001**	F **-.0520**
Stddev	.0003	.0005	.000	.0000	.0005	.0007	.0002	.0002
%RSD	103.8	34.34	736.2	19.31	161.5	13.84	252.7	.3762
#1	.0004	-.0011	-.0003	.0002	-.0006	.0056	.0002	-.0519
#2	.0001	-.0018	.0002	.0001	.0000	.0046	.0000	-.0521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0500
Low Limit								-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0011**	**.0004**
Stddev	.0004	.0006
%RSD	38.66	170.5
#1	.0008	-.0001
#2	.0014	.0008
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**215380.**	**49599.**	**3486.2**	**8983.5**
Stddev	7267.	86.	12.9	29.9
%RSD	3.3742	.17428	.37037	.33255
#1	220520.	49538.	3495.3	9004.6
#2	210240.	49660.	3477.1	8962.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 10:42:11 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.083**	**2.030**	**2.052**	**2.007**	**1.963**	**2.013**	**2.072**	**.2417**
Stddev	.005	.013	.001	.003	.004	.009	.012	.002	.0012
%RSD	.2456	.6250	.0658	.1340	.2251	.4558	.5699	.0830	.5157
#1	2.026	2.074	2.031	2.054	2.010	1.969	2.005	2.074	.2426
#2	2.019	2.092	2.029	2.050	2.003	1.956	2.021	2.071	.2408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.973**	**2.073**	**2.031**	**2.082**	**2.050**	**2.036**	**2.023**	**39.46**	**40.81**
Stddev	.007	.005	.003	.001	.004	.003	.001	.11	.05
%RSD	.3459	.2403	.1251	.0231	.1984	.1609	.0330	.2721	.1318
#1	1.978	2.076	2.032	2.082	2.053	2.038	2.023	39.53	40.85
#2	1.968	2.069	2.029	2.082	2.047	2.033	2.022	39.38	40.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.56**	**39.67**	**39.79**	**40.10**	**2.022**	**2.044**	**1.966**	**4.927**	**2.054**
Stddev	.13	.06	.10	.09	.001	.001	.012	.000	.003
%RSD	.3132	.1423	.2537	.2347	.0471	.0368	.6199	.0003	.1251
#1	40.65	39.71	39.86	40.17	2.022	2.045	1.975	4.927	2.055
#2	40.47	39.63	39.72	40.03	2.021	2.044	1.958	4.927	2.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 10:42:11 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**1.993**	**1.985**	**2.010**	**1.943**	**1.949**	**1.981**
Stddev	.002	.007	.001	.010	.001	.001	.009
%RSD	.0819	.3659	.0297	.4962	.0419	.0345	.4523
#1	2.059	1.998	1.985	2.017	1.944	1.949	1.987
#2	2.057	1.988	1.985	2.003	1.943	1.949	1.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**200950.**	**49539.**	**3355.8**	**8614.9**
Stddev	235.	31.	1.6	6.6
%RSD	.11670	.06189	.04827	.07640
#1	200790.	49518.	3354.6	8610.2
#2	201120.	49561.	3356.9	8619.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 10:48:29 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0000**	**.0000**	**.0004**	**.0003**	**.0001**	**-.0002**
Stddev	.0001	.0000	.0000	.000	.0002	.0002	.0000	.0001
%RSD	41.35	.1185	26.63	364.9	47.14	48.76	14.95	76.37
#1	.0003	.0001	.0000	-.0001	.0005	.0002	.0001	-.0003
#2	.0002	.0001	.0000	.0000	.0003	.0004	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**-.0042**	**.0002**	**-.0001**	**-.0003**	**.0010**	**.0003**
Stddev	.0002	.0002	.0001	.0001	.0006	.0007	.0008	.0003
%RSD	392.4	105.5	1.683	24.98	705.0	267.7	87.18	136.0
#1	-.0002	.0003	-.0041	.0003	-.0005	.0002	.0004	.0005
#2	.0001	.0000	-.0042	.0002	.0003	-.0008	.0015	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.0027**	**.0034**	**.0017**	**.0255**	**.0014**	**-.0002**	**.0009**
Stddev	.0004	.0009	.0002	.0018	.0236	.0050	.0000	.0002
%RSD	8.784	31.80	7.136	109.3	92.55	352.1	1.009	21.05
#1	.0052	.0033	.0032	.0030	.0422	.0049	-.0002	.0011
#2	.0046	.0021	.0035	.0004	.0088	-.0021	-.0002	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 10:48:29 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0008**	**-.0005**	**.0001**	**-.0002**	**.0081**	**.0003**	F **-.0566**
Stddev	.0007	.0005	.0004	.0000	.0003	.0007	.0001	.0011
%RSD	151.2	60.40	68.43	9.623	213.8	8.626	34.33	1.930
#1	.0000	-.0005	-.0003	.0001	-.0004	.0085	.0003	-.0573
#2	.0009	-.0011	-.0008	.0001	.0001	.0076	.0002	-.0558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0500
Low Limit								-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0001**	**.0004**
Stddev	.0001	.0003
%RSD	81.97	84.32
#1	-.0001	.0006
#2	-.0002	.0002
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**211770.**	**50207.**	**3488.1**	**9007.5**
Stddev	231.	86.	4.2	9.7
%RSD	.10894	.17116	.12111	.10758
#1	211600.	50146.	3485.1	9000.6
#2	211930.	50268.	3491.0	9014.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 10:54:43 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0010**	**.0032**	**.0023**	**.0017**	**.0032**	**.0043**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0000	.0001
%RSD	2.143	1.294	3.638	.1630	4.789	5.297	.5815	3.338
#1	.0042	.0011	.0010	.0032	.0024	.0018	.0032	.0044
#2	.0043	.0011	.0010	.0032	.0022	.0017	.0032	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0022**	**.0089**	**.0035**	**.0020**	**.0020**	**.0051**	**.0029**
Stddev	.0001	.0000	.0000	.0000	.0005	.0004	.0007	.0012
%RSD	19.99	.4810	.2962	1.398	27.45	17.49	12.90	41.66
#1	.0006	.0022	.0089	.0035	.0016	.0023	.0056	.0020
#2	.0008	.0022	.0089	.0035	.0024	.0018	.0047	.0037
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0010							
Range	-30.00%							

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1043**	**1.047**	**.0023**	**.1036**	**2.044**	**1.008**	**.0090**	**.0003**
Stddev	.0100	.003	.0003	.0011	.002	.004	.0003	.0001
%RSD	9.556	.2784	13.79	1.085	.0933	.3904	3.715	18.45
#1	.0973	1.049	.0021	.1044	2.045	1.011	.0092	.0004
#2	.1114	1.045	.0025	.1028	2.043	1.006	.0088	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 10:54:43 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**-.0031**	**.0002**	**.0000**	**.0000**	W **.0029**	F **.0000**	F **-.0528**
Stddev	.0010	.0000	.0003	.000	.0001	.0001	.000	.0000
%RSD	235.3	.8071	107.4	168.1	686.7	4.419	4.667	.0656
#1	-.0011	-.0031	.0001	.0000	.0000	.0028	.0000	-.0529
#2	.0003	-.0030	.0004	.0000	.0001	.0030	.0000	-.0528
Check ?	None	None	None	None	None	Chk Warn	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-20.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0001**	F **-.0004**
Stddev	.0009	.0003
%RSD	608.0	61.93
#1	-.0005	-.0002
#2	.0008	-.0006
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**211640.**	**49931.**	**3470.5**	**8953.9**
Stddev	154.	85.	15.4	34.6
%RSD	.07266	.17015	.44320	.38592
#1	211750.	49871.	3459.6	8929.4
#2	211540.	49991.	3481.3	8978.3

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 11:00:52 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2051**	**.0022**	**.0031**	**.0518**	**.0105**	**.0097**	**.0156**	**.0105**
Stddev	.0006	.0000	.0000	.0000	.0000	.0001	.0001	.0002
%RSD	.3037	.3893	.6335	.0440	.3719	.8083	.8668	1.746
#1	.2056	.0022	.0031	.0518	.0105	.0096	.0155	.0103
#2	.2047	.0022	.0031	.0518	.0106	.0097	.0157	.0106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.0532**	**.0177**	**.0091**	**.0099**	**.0029**	**.0117**	**.0057**
Stddev	.0003	.0001	.0000	.0005	.0002	.0012	.0010	.0005
%RSD	5.178	.2457	.2746	5.596	2.318	40.17	8.483	8.020
#1	.0051	.0531	.0178	.0088	.0097	.0021	.0124	.0060
#2	.0047	.0533	.0177	.0095	.0101	.0037	.0110	.0054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2085**	**5.158**	**.1086**	**5.272**	**4.979**	**5.063**	**.1016**	**.0207**
Stddev	.0027	.015	.0002	.016	.017	.030	.0001	.0001
%RSD	1.283	.2828	.1515	.3116	.3494	.5839	.0724	.3568
#1	.2104	5.168	.1085	5.284	4.966	5.084	.1016	.0208
#2	.2066	5.147	.1088	5.260	4.991	5.042	.1017	.0207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 11:00:52 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0470**	**.2001**	**.0100**	**.0107**	**.0101**	**.0515**	**.0099**	F **-.0067**
Stddev	.0009	.0004	.0001	.0000	.0005	.0008	.0001	.0003
%RSD	1.984	.1954	.6419	.1825	4.592	1.569	1.302	4.962
#1	.0463	.2004	.0101	.0107	.0098	.0521	.0098	-.0069
#2	.0477	.1999	.0100	.0107	.0104	.0510	.0100	-.0065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value								.0500
Range								-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0200**	**.0212**
Stddev	.0004	.0007
%RSD	1.981	3.242
#1	.0203	.0207
#2	.0198	.0217
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**209530.**	**49619.**	**3455.9**	**8904.3**
Stddev	254.	24.	10.5	20.9
%RSD	.12129	.04736	.30382	.23484
#1	209710.	49602.	3448.5	8889.5
#2	209350.	49636.	3463.3	8919.0

Zoom In Zoom Out

Sample Name: cria Acquired: 6/23/2014 11:07:00 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**.0001**	**.0003**	**.0001**	**.0000**	**-.0002**	**-.0003**
Stddev	.0000	.0000	.0001	.0000	.0001	.0002	.0000	.0003	.0005
%RSD	.0905	245.7	207.5	3.641	17.68	155.3	142.3	113.1	178.6
#1	.0001	.0000	.0000	.0001	.0004	.0003	.0000	.0000	-.0007
#2	.0001	.0000	.0001	.0001	.0003	.0000	.0000	-.0004	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0034**	**.0207**	**-.0007**	**.0194**	**.0213**	**.0190**	**.4881**	**.0021**
Stddev	.0001	.0000	.0006	.0006	.0010	.0003	.0004	.0052	.0008
%RSD	50.02	.0373	2.835	81.06	5.146	1.531	1.946	1.059	36.26
#1	.0001	-.0034	.0203	-.0012	.0201	.0211	.0187	.4845	.0027
#2	.0002	-.0034	.0211	-.0003	.0186	.0216	.0192	.4918	.0016
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5147**	**-.0004**	**.0141**	**-.0095**	**-.0018**	**.0001**	**.0001**	**-.0036**	**-.0004**
Stddev	.0000	.0092	.0060	.0009	.0001	.0000	.0003	.0002	.0001
%RSD	.0019	2164.	42.84	9.760	3.915	1.207	465.7	4.273	19.56
#1	.5147	-.0069	.0184	-.0088	-.0018	.0001	.0003	-.0035	-.0005
#2	.5146	.0061	.0098	-.0101	-.0017	.0001	-.0001	-.0037	-.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/23/2014 11:07:00 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0004**	**-.0001**	**-.0561**	**.0000**	**.0001**
Stddev	.0000	.0001	.0002	.0000	.0007	.0002	.0001
%RSD	55.04	118.8	40.91	28.73	1.235	456.6	194.0
#1	.0000	.0000	.0003	-.0001	-.0556	-.0001	.0001
#2	.0001	.0002	.0005	-.0001	-.0566	.0002	.0000
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**212140.**	**50239.**	**3482.2**	**8980.0**
Stddev	930.	284.	1.2	.8
%RSD	.43820	.56526	.03448	.00938
#1	211480.	50440.	3481.4	8980.6
#2	212800.	50038.	3483.1	8979.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 11:13:11 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0010**	**.0011**	**.0031**	**.0023**	**.0020**	**.0032**	**.0044**
Stddev	.0002	.0000	.0000	.0001	.0001	.0003	.0000	.0000
%RSD	4.646	2.591	4.050	3.839	5.143	15.48	.1207	.8660
#1	.0041	.0010	.0010	.0030	.0023	.0022	.0032	.0044
#2	.0039	.0010	.0011	.0032	.0024	.0018	.0032	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0007**	**.0020**	**.0091**	**.0031**	**.0020**	F **.0014**	**.0049**	**.0029**
Stddev	.0002	.0000	.0001	.0000	.0006	.0006	.0005	.0006
%RSD	32.70	1.300	1.138	.4589	27.75	42.32	11.13	19.38
#1	.0006	.0021	.0092	.0031	.0016	.0010	.0045	.0025
#2	.0009	.0020	.0090	.0031	.0024	.0018	.0053	.0033
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value	.0010					.0025		
Range	-20.00%					-30.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1041**	**1.030**	**.0021**	**.1063**	**2.022**	**.9844**	**.0082**	**.0000**
Stddev	.0037	.023	.0010	.0075	.042	.0277	.0004	.0001
%RSD	3.526	2.243	44.53	7.048	2.089	2.809	4.961	498.6
#1	.1067	1.046	.0028	.1116	2.052	1.004	.0085	.0001
#2	.1015	1.013	.0015	.1010	1.992	.9649	.0080	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 11:13:11 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0030**	**-.0004**	**.0000**	**.0000**	F **-.0004**	F **-.0002**	F **-.0553**
Stddev	.0002	.0005	.0002	.0000	.000	.0002	.0001	.0003
%RSD	68.51	17.71	53.11	55.25	299.0	49.52	40.38	.4914
#1	.0002	-.0026	-.0002	.0000	-.0001	-.0006	-.0001	-.0551
#2	.0004	-.0034	-.0005	.0000	.0000	-.0003	-.0002	-.0555
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0007**	F **-.0001**
Stddev	.0008	.0012
%RSD	106.6	1241.
#1	.0013	.0007
#2	.0002	-.0009
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**210850.**	**50672.**	**3471.5**	**8959.3**
Stddev	1088.	801.	9.6	23.3
%RSD	.51622	1.5809	.27676	.25976
#1	210080.	50106.	3464.7	8942.8
#2	211620.	51239.	3478.3	8975.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 11:19:21 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0000**	**.0029**	**-.0012**	**-.0003**	**-.0068**	**.0037**	**-.0024**	**.0019**
Stddev	.0001	.000	.0002	.0002	.0000	.0005	.0000	.0002	.0004
%RSD	29.39	142.8	6.950	16.43	2.274	7.775	.6282	6.984	20.21
#1	-.0003	.0000	.0030	-.0013	-.0003	-.0072	.0037	-.0025	.0022
#2	-.0005	.0000	.0027	-.0010	-.0003	-.0064	.0037	-.0023	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0040**	**.0025**	**.0023**	**-.0016**	**.0020**	**.0023**	**490.2**	**372.4**
Stddev	.0002	.0002	.0011	.0007	.0014	.0007	.0002	3.3	.8
%RSD	48.59	5.820	41.93	28.15	86.45	33.70	8.090	.6641	.2238
#1	.0005	-.0041	.0018	.0019	-.0006	.0024	.0025	492.5	371.8
#2	.0002	-.0038	.0033	.0028	-.0026	.0015	.0022	487.9	373.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**179.9**	**511.4**	**.0578**	**.0341**	**-.0025**	**-.0024**	**-.0049**	**.0108**	**-.0011**
Stddev	.1	.3	.0144	.0011	.0002	.0000	.0003	.0011	.0004
%RSD	.0493	.0601	24.86	3.367	7.853	1.698	5.880	10.14	37.81
#1	179.8	511.6	.0679	.0349	-.0026	-.0024	-.0047	.0101	-.0014
#2	179.9	511.2	.0476	.0333	-.0023	-.0025	-.0051	.0116	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 11:19:21 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0060**	**.0007**	**.0036**	**-.0016**	**-.0055**	**.0029**	**.0059**
Stddev	.0000	.0005	.0015	.0000	.0010	.0009	.0003
%RSD	.2934	70.06	42.19	.1003	17.52	30.05	4.428
#1	-.0060	.0003	.0047	-.0016	-.0061	.0035	.0057
#2	-.0060	.0010	.0025	-.0016	-.0048	.0023	.0061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**185370.**	**48193.**	**3122.0**	**7909.2**
Stddev	438.	11.	.9	6.0
%RSD	.23648	.02263	.02762	.07594
#1	185060.	48200.	3121.4	7905.0
#2	185680.	48185.	3122.6	7913.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 11:25:40 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4916**	**.5019**	**1.026**	**.4823**	**.4702**	**.5138**	**.5030**	**.9812**	**1.018**
Stddev	.0114	.0104	.004	.0011	.0032	.0029	.0028	.0017	.005
%RSD	2.314	2.071	.3654	.2239	.6876	.5648	.5471	.1732	.4853
#1	.4835	.4945	1.023	.4816	.4725	.5158	.5050	.9800	1.021
#2	.4996	.5092	1.029	.4831	.4679	.5117	.5011	.9824	1.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4834**	**.9892**	**1.087**	**.9855**	**.9519**	**1.086**	**1.036**	**490.7**	**367.5**
Stddev	.0018	.0008	.002	.0000	.0018	.003	.005	2.5	6.0
%RSD	.3788	.0839	.2184	.0048	.1858	.2593	.4581	.5068	1.643
#1	.4847	.9886	1.085	.9855	.9507	1.084	1.032	492.4	363.2
#2	.4821	.9897	1.088	.9855	.9532	1.088	1.039	488.9	371.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**182.3**	**509.3**	**.0710**	**.0370**	**-.0016**	**.5040**	**.5427**	**.0040**	**-.0008**
Stddev	.8	8.8	.0155	.0021	.0004	.0013	.0020	.0002	.0006
%RSD	.4613	1.720	21.80	5.583	22.63	.2616	.3602	4.919	72.20
#1	181.7	503.1	.0601	.0355	-.0019	.5031	.5441	.0039	-.0004
#2	182.9	515.5	.0819	.0384	-.0013	.5049	.5413	.0042	-.0013
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 11:25:40 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0059**	**.0011**	**.5103**	**.5811**	**.4976**	**.5448**	**.5272**
Stddev	.0000	.0003	.0000	.0028	.0002	.0032	.0124
%RSD	.0152	27.01	.0021	.4837	.0426	.5820	2.359
#1	-.0059	.0009	.5103	.5831	.4975	.5426	.5184
#2	-.0059	.0013	.5103	.5791	.4978	.5470	.5360
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**184150.**	**48239.**	**3104.1**	**7894.9**
Stddev	1053.	530.	8.5	17.2
%RSD	.57155	1.0983	.27348	.21812
#1	183400.	48614.	3110.1	7907.1
#2	184890.	47865.	3098.1	7882.7

Zoom In Zoom Out

Sample Name: feconf Acquired: 6/23/2014 11:31:56 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0017**	**-.0009**	**-.0002**	**-.0071**	**.0065**	**-.0006**	**.0104**
Stddev	.000	.0001	.0001	.0003	.0004	.0004	.0003	.0001	.0012
%RSD	1397.	446.7	7.248	30.30	288.8	5.566	4.505	17.28	11.86
#1	.0000	.0000	.0016	-.0010	-.0005	-.0068	.0067	-.0006	.0113
#2	-.0001	.0000	.0018	-.0007	.0002	-.0074	.0063	-.0005	.0095

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0003**	**.0036**	**.0030**	**.0004**	**-.0029**	**.0058**	**-.0024**	**-.0150**
Stddev	.000	.0001	.0000	.0001	.0005	.0006	.0011	.0061	.0002
%RSD	488.2	21.58	.3546	3.022	110.7	21.01	18.42	254.7	1.274
#1	-.0002	-.0003	.0036	.0029	.0001	-.0033	.0065	.0019	-.0151
#2	.0001	-.0004	.0036	.0031	.0008	-.0025	.0050	-.0068	-.0149

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**200.7**	**-.0483**	**.0466**	**-.0042**	**-.0037**	**.0007**	**-.0041**	**-.0250**	**-.0023**
Stddev	2.2	.0084	.0332	.0008	.0003	.0003	.0006	.0001	.0000
%RSD	1.081	17.39	71.23	18.36	7.284	45.39	13.61	.3812	1.768
#1	202.2	-.0423	.0231	-.0037	-.0035	.0009	-.0045	-.0250	-.0023
#2	199.1	-.0542	.0700	-.0047	-.0039	.0005	-.0037	-.0251	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0004**	**.0062**	**.0002**	**-.0479**	**.0064**	**-.0003**
Stddev	.0000	.0002	.0004	.0003	.0005	.0010	.0003
%RSD	143.0	45.33	5.830	119.0	1.035	16.26	108.8
#1	.0000	-.0003	.0065	.0004	-.0483	.0071	-.0005
#2	.0000	-.0006	.0060	.0000	-.0476	.0057	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**207490.**	**49403.**	**3448.6**	**9139.3**
Stddev	716.	320.	47.9	109.4
%RSD	.34484	.64869	1.3891	1.1968
#1	206980.	49176.	3414.7	9062.0
#2	207990.	49629.	3482.4	9216.7

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/23/2014 11:38:09 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0005**	**.0001**	**-.0001**	**.0018**	**11.89**	**-.0002**	**.0000**	**-.0004**
Stddev	.0001	.0000	.0000	.0002	.00	.0001	.000	.0000
%RSD	15.73	17.75	36.82	9.660	.0018	38.16	60.74	.5806
#1	.0005	.0001	-.0001	.0017	11.89	-.0002	.0000	-.0004
#2	.0004	.0001	-.0001	.0019	11.89	-.0003	.0000	-.0004

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**-.0106**	**-.0011**	**.0022**	F **-.0020**	**-.0007**	**-.0002**	**.0004**
Stddev	.0001	.0001	.0001	.0005	.0003	.0002	.0003	.0001
%RSD	45.68	.9592	12.78	22.52	13.85	29.29	176.1	32.80
#1	-.0001	-.0106	-.0010	.0025	-.0022	-.0006	-.0003	.0003
#2	-.0002	-.0107	-.0012	.0018	-.0018	-.0009	.0000	.0005

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0071**	**-.0326**	**.0107**	**.0026**	**.0312**	**-.0077**	**-.0015**	**.0009**
Stddev	.0035	.0012	.0005	.0059	.0164	.0013	.0001	.0001
%RSD	48.60	3.561	4.882	229.3	52.56	17.14	6.045	12.56
#1	.0047	-.0334	.0111	-.0016	.0196	-.0067	-.0015	.0010
#2	.0096	-.0318	.0103	.0067	.0427	-.0086	-.0016	.0009

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0012**	**-.0134**	**-.0009**	**.0001**	**.0002**	**-.0027**	**-.0076**	F **-.0522**
Stddev	.0001	.0005	.0004	.0000	.0001	.0001	.0000	.0019
%RSD	8.788	3.502	43.56	34.15	52.80	3.173	.2778	3.719
#1	-.0013	-.0131	-.0006	.0001	.0002	-.0027	-.0076	-.0508
#2	-.0011	-.0137	-.0012	.0001	.0001	-.0026	-.0076	-.0536

Elem	Bi2230	Li6707
Avg	**.0054**	**-.0010**
Stddev	.0004	.0003
%RSD	8.083	29.34
#1	.0051	-.0012
#2	.0057	-.0008

Zoom In Zoom Out

Sample Name: crconf Acquired: 6/23/2014 11:38:09 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211520.**	**50162.**	**3407.5**	**8957.3**
Stddev	59.	126.	9.6	28.9
%RSD	.02792	.25104	.28184	.32259
#1	211480.	50251.	3414.3	8977.7
#2	211560.	50073.	3400.7	8936.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 11:44:19 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**2.070**	**2.029**	**2.044**	**2.014**	**1.973**	**2.045**	**2.066**	**.2431**
Stddev	.005	.016	.003	.002	.014	.010	.025	.004	.0012
%RSD	.2560	.7515	.1645	.0973	.6991	.5057	1.205	.1741	.4824
#1	2.020	2.059	2.026	2.042	2.004	1.966	2.027	2.064	.2422
#2	2.012	2.081	2.031	2.045	2.023	1.980	2.062	2.069	.2439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**2.074**	**2.030**	**2.075**	**2.040**	**2.030**	**2.015**	**39.64**	**40.81**
Stddev	.015	.002	.006	.000	.004	.003	.004	.04	.07
%RSD	.7607	.0797	.2894	.0152	.1752	.1628	.1743	.1065	.1672
#1	1.967	2.073	2.026	2.075	2.038	2.028	2.013	39.67	40.77
#2	1.988	2.076	2.034	2.075	2.043	2.033	2.018	39.61	40.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.65**	**39.72**	**39.67**	**39.65**	**2.016**	**2.040**	**1.979**	**4.924**	**2.046**
Stddev	.02	.04	.05	.07	.005	.003	.007	.007	.004
%RSD	.0502	.1062	.1286	.1790	.2512	.1624	.3798	.1397	.2197
#1	40.67	39.69	39.70	39.70	2.013	2.037	1.974	4.919	2.043
#2	40.64	39.75	39.63	39.60	2.020	2.042	1.984	4.929	2.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 11:44:19 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.073**	**2.012**	**1.971**	**2.024**	**1.950**	**1.947**	**1.968**
Stddev	.025	.011	.010	.009	.002	.004	.006
%RSD	1.207	.5247	.4988	.4466	.1187	.2102	.2825
#1	2.055	2.005	1.964	2.018	1.948	1.944	1.972
#2	2.090	2.020	1.977	2.031	1.952	1.950	1.964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**200600.**	**49006.**	**3363.1**	**8641.3**
Stddev	1153.	3.	1.5	3.6
%RSD	.57475	.00673	.04546	.04142
#1	201410.	49009.	3364.2	8643.9
#2	199780.	49004.	3362.1	8638.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 11:50:34 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0001**	**.0001**	**.0005**	**.0002**	**.0001**	**.0000**	**-.0001**
Stddev	.0000	.0000	.0000	.0000	.0001	.0001	.0000	.000	.0003
%RSD	1.862	20.47	17.24	41.54	17.77	93.22	11.05	173.7	288.0
#1	.0003	.0001	.0001	.0000	.0006	.0003	.0001	.0000	.0001
#2	.0003	.0001	.0001	.0001	.0004	.0001	.0001	-.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0015**	**.0006**	**.0004**	**-.0009**	**.0000**	**.0000**	**.0075**	**.0032**
Stddev	.0000	.0034	.0003	.0005	.0001	.000	.000	.0030	.0004
%RSD	5.156	222.9	55.80	106.2	13.64	651.6	549.7	39.30	11.73
#1	.0003	.0009	.0008	.0008	-.0010	-.0001	-.0002	.0096	.0029
#2	.0003	-.0040	.0004	.0001	-.0008	.0001	.0001	.0054	.0035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	**-.0028**	**.0160**	**-.0057**	**.0001**	**.0009**	**.0009**	**.0000**	**-.0003**
Stddev	.0001	.0006	.0008	.0045	.0015	.0001	.0002	.001	.0002
%RSD	2.667	21.05	4.901	79.52	1120.	9.030	22.79	4696.	63.76
#1	.0047	-.0023	.0154	-.0025	.0012	.0009	.0008	.0007	-.0001
#2	.0045	-.0032	.0165	-.0089	-.0009	.0008	.0010	-.0007	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 11:50:34 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0002**	**.0066**	**.0003**	**.0043**	**.0006**	**-.0010**
Stddev	.0000	.0001	.0013	.0000	.0792	.0002	.0004
%RSD	3.183	32.72	19.37	17.05	1839.	27.47	34.17
#1	.0002	-.0002	.0075	.0002	.0603	.0007	-.0008
#2	.0002	-.0001	.0057	.0003	-.0517	.0004	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**212090.**	**49820.**	**3452.8**	**8915.5**
Stddev	389.	167.	19.0	48.3
%RSD	.18352	.33577	.54946	.54228
#1	212370.	49701.	3439.3	8881.3
#2	211820.	49938.	3466.2	8949.7

Zoom In Zoom Out

Sample Name: mp80139-mb1 2 Acquired: 6/23/2014 11:56:45 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**.0000**	**.0001**	**-.0001**	**.0004**	**.0003**	**.0003**	**-.0004**
Stddev	.0001	.000	.0001	.0000	.0000	.0002	.0000	.0000
%RSD	127.4	635.7	119.2	69.74	9.634	46.46	5.872	8.425
#1	.0001	.0000	.0000	-.0001	.0005	.0005	.0003	-.0004
#2	.0000	.0000	.0002	.0000	.0004	.0002	.0003	-.0005

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**.0002**	**-.0031**	**-.0002**	**-.0016**	**-.0016**	**-.0005**	**.0005**
Stddev	.0004	.0002	.0000	.0003	.0002	.0005	.0005	.0003
%RSD	419.3	102.0	.2967	129.4	11.40	31.01	92.95	58.41
#1	-.0002	.0003	-.0031	.0000	-.0017	-.0012	-.0008	.0007
#2	.0004	.0001	-.0031	-.0004	-.0015	-.0019	-.0002	.0003

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0053**	**.0066**	**.0072**	**-.0011**	**-.0006**	**-.0057**	**-.0009**	**.0004**
Stddev	.0015	.0013	.0005	.0031	.0153	.0039	.0002	.0000
%RSD	28.40	19.51	6.625	299.1	2701.	68.67	23.59	5.228
#1	.0063	.0076	.0075	-.0033	-.0114	-.0084	-.0008	.0004
#2	.0042	.0057	.0068	.0012	.0103	-.0029	-.0011	.0004

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0003**	**.0363**	**.0001**	**.0001**	**.0002**	**.0038**	**.0005**	F **-.0512**
Stddev	.0004	.0025	.0001	.0000	.0000	.0005	.0000	.0003
%RSD	132.7	6.952	185.9	48.92	3.093	11.87	8.610	.5127
#1	.0000	.0381	.0000	.0001	.0002	.0041	.0004	-.0510
#2	-.0006	.0345	.0002	.0000	.0002	.0035	.0005	-.0514

Elem	Bi2230	Li6707
Avg	**-.0009**	**-.0006**
Stddev	.0005	.0003
%RSD	51.99	46.68
#1	-.0013	-.0004
#2	-.0006	-.0007

Zoom In Zoom Out

Sample Name: mp80139-mb1 2 Acquired: 6/23/2014 11:56:45 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**212240.**	**49867.**	**3481.5**	**9002.5**
Stddev	98.	177.	17.2	46.2
%RSD	.04632	.35490	.49350	.51373
#1	212310.	49992.	3493.7	9035.2
#2	212170.	49742.	3469.4	8969.8

Zoom In Zoom Out

Sample Name: mp80139-lc1 Acquired: 6/23/2014 12:02:54 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4956**	**.5003**	**.4826**	**.4826**	**.4867**	**.4565**	**.4962**	**.5037**	**.1835**
Stddev	.0002	.0014	.0023	.0011	.0000	.0005	.0004	.0029	.0000
%RSD	.0309	.2840	.4792	.2271	.0045	.1082	.0763	.5788	.0178
#1	.4955	.5013	.4810	.4818	.4867	.4562	.4959	.5016	.1835
#2	.4957	.4993	.4843	.4834	.4867	.4568	.4964	.5057	.1835

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4824**	**.5300**	**.4850**	**.5063**	**.4881**	**.4874**	**.4704**	**4.880**	**5.569**
Stddev	.0011	.0031	.0020	.0031	.0020	.0013	.0034	.005	.011
%RSD	.2336	.5834	.4206	.6203	.4171	.2590	.7299	.1005	.1890
#1	.4816	.5279	.4835	.5041	.4866	.4865	.4680	4.877	5.577
#2	.4832	.5322	.4864	.5086	.4895	.4883	.4729	4.884	5.562

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.613**	**5.404**	**9.732**	**9.926**	**.0038**	**.4829**	**-.0012**	**.0264**	**.0009**
Stddev	.016	.022	.014	.007	.0004	.0027	.0001	.0005	.0007
%RSD	.2891	.4088	.1403	.0700	11.14	.5550	7.598	1.950	79.80
#1	5.624	5.419	9.722	9.931	.0041	.4810	-.0011	.0268	.0004
#2	5.601	5.388	9.742	9.921	.0035	.4848	-.0013	.0261	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4869**	**.0067**	**.0003**	**-.0460**	**-.0020**	**.0004**
Stddev	.0001	.0006	.0003	.0001	.0003	.0002	.0014
%RSD	46.14	.1194	3.882	36.06	.5539	10.01	368.8
#1	-.0002	.4865	.0069	.0004	-.0458	-.0021	.0013
#2	-.0001	.4873	.0065	.0002	-.0462	-.0018	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**208650.**	**49754.**	**3408.3**	**8808.3**
Stddev	316.	190.	17.7	44.7
%RSD	.15158	.38190	.52072	.50765
#1	208870.	49620.	3420.9	8839.9
#2	208420.	49889.	3395.8	8776.7

Zoom In Zoom Out

Sample Name: mp80139-s1 Acquired: 6/23/2014 12:08:54 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.068**	**.0525**	**.0558**	**.5110**	**.2015**	**.2414**	**1.312**	**.5266**	**.0500**
Stddev	.002	.0001	.0004	.0028	.0005	.0004	.003	.0034	.0000
%RSD	.0794	.1432	.7968	.5527	.2269	.1553	.2627	.6503	.0851
#1	2.067	.0525	.0554	.5090	.2012	.2417	1.310	.5242	.0500
#2	2.070	.0526	.0561	.5130	.2018	.2411	1.315	.5290	.0500

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5534**	**.5476**	**2.151**	**2.130**	**.5163**	**2.159**	**.5176**	**2.124**	**112.2**
Stddev	.0014	.0045	.013	.014	.0041	.016	.0028	.001	.0
%RSD	.2552	.8191	.5908	.6590	.7864	.7296	.5363	.0623	.0413
#1	.5524	.5445	2.142	2.120	.5134	2.148	.5156	2.125	112.2
#2	.5544	.5508	2.160	2.140	.5192	2.171	.5196	2.123	112.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.211**	**42.38**	**29.24**	**320.2**	**.0297**	**.0113**	**-.0014**	**3.398**	**-.0009**
Stddev	.004	.09	.02	2.5	.0001	.0001	.0001	.025	.0002
%RSD	.3273	.2224	.0666	.7778	.4336	.5360	4.644	.7472	24.40
#1	1.208	42.31	29.23	318.5	.0298	.0114	-.0015	3.380	-.0010
#2	1.213	42.44	29.26	322.0	.0297	.0113	-.0014	3.416	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9096**	**.0019**	**.0048**	**-.0027**	**14.11**	**-.0020**	**.0120**
Stddev	.0009	.0002	.0000	.0000	.09	.0001	.0001
%RSD	.0984	10.66	.3543	1.317	.6521	6.394	.4398
#1	.9090	.0017	.0048	-.0027	14.05	-.0019	.0120
#2	.9103	.0020	.0048	-.0027	14.18	-.0021	.0120

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**193510.**	**48620.**	**3210.8**	**8093.9**
Stddev	789.	83.	20.3	47.2
%RSD	.40758	.17023	.63133	.58271
#1	194070.	48678.	3225.2	8127.2
#2	192950.	48561.	3196.5	8060.5

Zoom In Zoom Out

Sample Name: mp80139-s2 Acquired: 6/23/2014 12:15:06 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.110**	**.0536**	**.0563**	**.5126**	**.2032**	**.2433**	**1.311**	**.5285**	**.0507**
Stddev	.004	.0002	.0002	.0023	.0036	.0039	.022	.0007	.0008
%RSD	.2036	.2943	.3717	.4513	1.763	1.615	1.649	.1273	1.658
#1	2.113	.0537	.0561	.5110	.2057	.2461	1.327	.5280	.0513
#2	2.107	.0535	.0564	.5143	.2007	.2405	1.296	.5290	.0501

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5572**	**.5474**	**2.159**	**2.142**	**.5179**	**2.175**	**.5189**	**2.151**	**112.5**
Stddev	.0104	.0017	.005	.006	.0009	.009	.0035	.001	1.5
%RSD	1.858	.3113	.2565	.2810	.1688	.4246	.6681	.0238	1.337
#1	.5645	.5462	2.155	2.138	.5172	2.169	.5165	2.151	113.6
#2	.5499	.5486	2.163	2.146	.5185	2.182	.5214	2.150	111.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.228**	**42.93**	**29.89**	**321.6**	**.0304**	**.0110**	**-.0021**	**3.327**	**-.0016**
Stddev	.003	.05	.08	4.0	.0007	.0001	.0000	.016	.0001
%RSD	.2250	.1086	.2645	1.235	2.248	.7095	1.658	.4939	4.182
#1	1.230	42.96	29.94	318.8	.0299	.0109	-.0022	3.315	-.0016
#2	1.226	42.89	29.83	324.4	.0309	.0110	-.0021	3.338	-.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9164**	**.0016**	**.0035**	**-.0026**	**14.00**	**-.0018**	**.0120**
Stddev	.0032	.0000	.0002	.0001	.05	.0001	.0007
%RSD	.3481	2.898	5.890	4.409	.3671	6.647	5.481
#1	.9187	.0016	.0037	-.0025	13.97	-.0017	.0125
#2	.9142	.0017	.0034	-.0027	14.04	-.0019	.0116

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**192970.**	**48216.**	**3212.4**	**8100.7**
Stddev	3239.	131.	8.7	14.6
%RSD	1.6784	.27160	.26931	.18055
#1	190680.	48124.	3218.5	8111.0
#2	195260.	48309.	3206.3	8090.3

Zoom In Zoom Out

Sample Name: jb69115-5 Acquired: 6/23/2014 12:21:17 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0627**	**.0000**	**.0003**	**-.0002**	**.0008**	**.0023**	**.8136**	**.0004**	**-.0003**
Stddev	.0001	.000	.0001	.0001	.0001	.0002	.0047	.0001	.0004
%RSD	.0878	63.15	18.65	61.19	13.31	8.748	.5821	18.95	161.3
#1	.0627	.0000	.0003	-.0003	.0009	.0024	.8170	.0005	-.0005
#2	.0627	.0000	.0004	-.0001	.0007	.0021	.8103	.0004	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0520**	**-.0020**	**.0030**	**.0020**	**-.0003**	**.0009**	**.0001**	**.1210**	**88.35**
Stddev	.0002	.0002	.0008	.0005	.0008	.0002	.0002	.0052	.25
%RSD	.3903	7.443	25.61	23.34	237.0	18.22	215.1	4.270	.2787
#1	.0518	-.0019	.0035	.0023	-.0009	.0010	.0002	.1246	88.52
#2	.0521	-.0022	.0025	.0016	.0002	.0008	.0000	.1173	88.18

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1527**	**17.16**	**3.610**	**298.0**	**.0309**	**.0101**	**.0003**	**3.387**	**-.0010**
Stddev	.0003	.15	.003	5.8	.0003	.0000	.0004	.022	.0001
%RSD	.2073	.8998	.0792	1.948	.8368	.0611	144.2	.6518	6.624
#1	.1525	17.27	3.613	302.1	.0311	.0101	.0000	3.403	-.0011
#2	.1530	17.05	3.608	293.9	.0307	.0101	.0005	3.372	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9226**	**.0012**	**-.0013**	**-.0013**	**14.35**	**-.0004**	**.0107**
Stddev	.0031	.0009	.0005	.0001	.12	.0004	.0003
%RSD	.3317	77.93	40.07	6.938	.8313	105.9	3.161
#1	.9248	.0005	-.0017	-.0013	14.43	-.0001	.0109
#2	.9205	.0019	-.0009	-.0012	14.27	-.0006	.0105

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**195190.**	**48463.**	**3239.0**	**8162.1**
Stddev	762.	392.	25.4	63.0
%RSD	.39029	.80982	.78492	.77184
#1	194650.	48186.	3221.0	8117.6
#2	195730.	48741.	3257.0	8206.7

Zoom In Zoom Out

Sample Name: mp80139-sd1 Acquired: 6/23/2014 12:27:35 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0676**	**-.0001**	**-.0005**	**-.0001**	**.0019**	**.0034**	**.8332**	**.0020**	**-.0005**
Stddev	.0007	.0001	.0002	.0001	.0009	.0012	.0017	.0015	.0001
%RSD	1.067	99.74	39.39	155.4	50.03	35.92	.2056	74.60	25.96
#1	.0681	-.0002	-.0004	.0000	.0012	.0042	.8344	.0031	-.0004
#2	.0670	.0000	-.0006	-.0001	.0026	.0025	.8320	.0010	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0527**	**-.0123**	**.0076**	**.0130**	**-.0015**	**-.0008**	**-.0021**	**.1765**	**91.52**
Stddev	.0012	.0000	.0024	.0025	.0036	.0058	.0047	.0024	.08
%RSD	2.350	.2579	31.68	19.20	233.9	685.6	226.1	1.346	.0858
#1	.0535	-.0123	.0059	.0148	.0010	.0032	.0013	.1782	91.46
#2	.0518	-.0123	.0093	.0112	-.0040	-.0049	-.0055	.1748	91.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1716**	**17.70**	**3.725**	**311.9**	**.0235**	**.0099**	**.0017**	**3.376**	**-.0063**
Stddev	.0039	.04	.092	.3	.0016	.0000	.0002	.006	.0006
%RSD	2.260	.2394	2.462	.0810	6.614	.4057	11.53	.1714	9.013
#1	.1743	17.73	3.660	312.0	.0224	.0099	.0018	3.372	-.0059
#2	.1688	17.67	3.789	311.7	.0246	.0099	.0015	3.380	-.0067

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9292**	**.0004**	**-.0156**	**-.0018**	**13.87**	**.0033**	**.0127**
Stddev	.0001	.0002	.0040	.0006	.01	.0059	.0001
%RSD	.0159	41.43	25.30	32.57	.0880	176.7	.5342
#1	.9291	.0003	-.0128	-.0014	13.88	-.0008	.0126
#2	.9293	.0005	-.0184	-.0022	13.86	.0075	.0127

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**204800.**	**49311.**	**3408.1**	**8739.3**
Stddev	79.	54.	5.3	1.5
%RSD	.03877	.10895	.15536	.01758
#1	204850.	49273.	3404.3	8738.2
#2	204740.	49349.	3411.8	8740.4

Zoom In Zoom Out

Sample Name: mp80139-s3 Acquired: 6/23/2014 12:33:44 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.152**	**.0550**	**.0575**	**.5239**	**.2090**	**.2497**	**.8785**	**.5406**	**.0511**
Stddev	.002	.0000	.0005	.0006	.0003	.0008	.0017	.0004	.0001
%RSD	.0842	.0291	.8938	.1097	.1668	.3291	.1941	.0684	.2103
#1	2.154	.0550	.0572	.5235	.2087	.2503	.8797	.5403	.0510
#2	2.151	.0550	.0579	.5244	.2092	.2491	.8773	.5408	.0512

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5767**	**.5611**	**2.205**	**2.186**	**.5296**	**2.224**	**.5313**	**2.179**	**104.4**
Stddev	.0007	.0011	.001	.001	.0009	.002	.0012	.009	.5
%RSD	.1173	.1953	.0523	.0293	.1706	.0734	.2251	.3887	.4780
#1	.5772	.5619	2.205	2.186	.5303	2.225	.5305	2.173	104.0
#2	.5762	.5603	2.204	2.185	.5290	2.223	.5322	2.185	104.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.129**	**40.50**	**30.33**	**323.8**	**.0284**	**.0118**	**-.0016**	**3.443**	**-.0010**
Stddev	.001	.14	.04	2.2	.0007	.0001	.0000	.003	.0004
%RSD	.0699	.3400	.1217	.6748	2.556	.5780	3.060	.0813	42.85
#1	1.130	40.40	30.35	325.4	.0289	.0118	-.0016	3.441	-.0007
#2	1.129	40.59	30.30	322.3	.0279	.0119	-.0016	3.445	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6018**	**.0015**	**.0028**	**-.0024**	**13.99**	**-.0019**	**.0101**
Stddev	.0003	.0002	.0002	.0000	.00	.0002	.0006
%RSD	.0511	15.47	6.535	1.180	.0164	9.689	5.581
#1	.6020	.0017	.0029	-.0024	13.99	-.0021	.0105
#2	.6016	.0013	.0027	-.0024	13.99	-.0018	.0097

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**192440.**	**47932.**	**3203.6**	**8078.3**
Stddev	346.	211.	1.8	4.0
%RSD	.17969	.44052	.05561	.04915
#1	192200.	48082.	3204.9	8081.1
#2	192690.	47783.	3202.4	8075.5

Zoom In Zoom Out

Sample Name: mp80139-s4 Acquired: 6/23/2014 12:39:56 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.149**	**.0548**	**.0574**	**.5228**	**.2089**	**.2505**	**.8808**	**.5395**	**.0518**
Stddev	.011	.0003	.0001	.0012	.0016	.0019	.0051	.0009	.0002
%RSD	.5214	.5277	.2051	.2200	.7745	.7530	.5758	.1638	.4345
#1	2.157	.0550	.0574	.5236	.2077	.2492	.8772	.5402	.0517
#2	2.142	.0546	.0575	.5220	.2100	.2518	.8844	.5389	.0520

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5773**	**.5601**	**2.204**	**2.180**	**.5288**	**2.224**	**.5301**	**2.160**	**102.8**
Stddev	.0030	.0012	.007	.006	.0004	.008	.0014	.010	1.6
%RSD	.5204	.2071	.3286	.2918	.0784	.3547	.2727	.4705	1.513
#1	.5752	.5609	2.209	2.184	.5291	2.230	.5311	2.167	103.9
#2	.5794	.5593	2.199	2.175	.5285	2.219	.5290	2.153	101.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.126**	**40.23**	**30.21**	**322.0**	**.0286**	**.0118**	**-.0018**	**3.378**	**-.0009**
Stddev	.008	.15	.07	1.1	.0007	.0001	.0001	.012	.0007
%RSD	.6868	.3608	.2235	.3300	2.331	.7250	6.720	.3413	76.15
#1	1.132	40.34	30.26	322.7	.0291	.0119	-.0017	3.386	-.0004
#2	1.121	40.13	30.16	321.2	.0281	.0118	-.0019	3.370	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5993**	**.0015**	**.0027**	**-.0024**	**13.95**	**-.0019**	**.0106**
Stddev	.0023	.0002	.0001	.0000	.04	.0001	.0005
%RSD	.3844	14.01	3.767	1.383	.2804	6.665	4.249
#1	.6010	.0013	.0027	-.0024	13.98	-.0018	.0103
#2	.5977	.0016	.0026	-.0024	13.93	-.0020	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**192580.**	**48483.**	**3214.3**	**8106.6**
Stddev	593.	155.	7.3	14.7
%RSD	.30808	.32058	.22606	.18120
#1	193000.	48373.	3209.2	8096.2
#2	192160.	48593.	3219.5	8117.0

Sample Name: jb69115-5f Acquired: 6/23/2014 12:46:09 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0555**	**-.0001**	**.0002**	**-.0003**	**.0010**	**.0021**	**.3567**	**.0003**	**-.0001**
Stddev	.0007	.0000	.0002	.0000	.0000	.0003	.0027	.0000	.0001
%RSD	1.179	18.11	103.6	6.953	1.066	14.36	.7546	7.754	220.8
#1	.0560	.0000	.0003	-.0003	.0010	.0024	.3586	.0003	.0000
#2	.0550	-.0001	.0000	-.0003	.0010	.0019	.3548	.0003	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0574**	**-.0022**	**.0021**	**.0019**	**.0004**	**.0023**	**.0003**	**.1029**	**80.30**
Stddev	.0004	.0001	.0001	.0005	.0009	.0001	.0011	.0055	.91
%RSD	.6299	4.770	6.975	25.36	199.2	3.920	329.5	5.320	1.133
#1	.0577	-.0021	.0020	.0022	.0010	.0023	.0011	.0991	80.95
#2	.0572	-.0022	.0022	.0016	-.0002	.0022	-.0004	.1068	79.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0216**	**14.43**	**3.608**	**304.0**	**.0290**	**.0111**	**.0006**	**3.451**	**-.0011**
Stddev	.0002	.16	.048	1.0	.0002	.0001	.0007	.009	.0005
%RSD	.8144	1.134	1.334	.3451	.5793	.5229	112.1	.2726	47.46
#1	.0218	14.55	3.642	304.8	.0289	.0110	.0011	3.458	-.0015
#2	.0215	14.32	3.574	303.3	.0291	.0111	.0001	3.444	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6214**	**.0001**	**-.0020**	**-.0013**	**14.41**	**.0007**	**.0101**
Stddev	.0076	.0000	.0004	.0000	.04	.0005	.0002
%RSD	1.227	48.73	18.53	1.656	.2565	66.77	2.184
#1	.6268	.0001	-.0023	-.0013	14.44	.0004	.0103
#2	.6160	.0001	-.0017	-.0013	14.39	.0011	.0100

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**197930.**	**47887.**	**3255.7**	**8200.0**
Stddev	528.	589.	6.1	16.1
%RSD	.26666	1.2292	.18832	.19651
#1	197560.	47471.	3251.4	8188.6
#2	198300.	48303.	3260.1	8211.4

Sample Name: ccv Acquired: 6/23/2014 12:52:30 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.060**	**2.078**	**2.090**	**2.032**	**2.004**	**2.043**	**2.110**	**.2475**
Stddev	.007	.017	.002	.003	.003	.001	.009	.001	.0004
%RSD	.3220	.8433	.0967	.1217	.1563	.0473	.4277	.0646	.1426
#1	2.059	2.048	2.076	2.088	2.035	2.005	2.049	2.109	.2477
#2	2.050	2.072	2.079	2.092	2.030	2.003	2.037	2.111	.2472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.122**	**2.077**	**2.121**	**2.086**	**2.084**	**2.068**	**39.93**	**41.10**
Stddev	.002	.001	.001	.004	.003	.001	.005	.13	.10
%RSD	.0902	.0394	.0400	.1828	.1642	.0559	.2235	.3281	.2521
#1	2.003	2.123	2.076	2.119	2.083	2.083	2.064	40.03	41.18
#2	2.000	2.122	2.077	2.124	2.088	2.085	2.071	39.84	41.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.14**	**40.03**	**40.27**	**40.43**	**2.067**	**2.085**	**2.010**	**5.043**	**2.098**
Stddev	.14	.11	.09	.15	.003	.002	.001	.001	.003
%RSD	.3350	.2786	.2149	.3595	.1274	.0825	.0684	.0156	.1493
#1	41.23	40.11	40.33	40.53	2.065	2.084	2.011	5.042	2.096
#2	41.04	39.95	40.21	40.32	2.069	2.087	2.009	5.043	2.100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: ccv Acquired: 6/23/2014 12:52:30 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.038**	**2.034**	**1.994**	**2.049**	**2.000**	**1.991**	**2.005**
Stddev	.044	.002	.009	.002	.002	.000	.005
%RSD	2.170	.1042	.4690	.0781	.0822	.0165	.2732
#1	2.007	2.036	1.987	2.050	1.999	1.991	2.009
#2	2.070	2.033	2.000	2.047	2.001	1.991	2.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**199040.**	**48993.**	**3298.0**	**8486.5**
Stddev	289.	128.	.0	.4
%RSD	.14534	.26078	.00014	.00516
#1	198840.	48903.	3298.0	8486.8
#2	199250.	49084.	3298.0	8486.2

Sample Name: ccb Acquired: 6/23/2014 12:58:49 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0001**	**.0000**	**.0005**	**.0004**	**.0001**	**.0001**
Stddev	.0002	.0000	.0001	.000	.0002	.0002	.0000	.0000
%RSD	79.81	20.34	169.8	594.1	46.99	63.42	6.457	10.16
#1	.0005	.0002	.0001	-.0002	.0007	.0006	.0001	.0001
#2	.0001	.0001	.0000	.0001	.0003	.0002	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0000**	**-.0040**	**.0008**	**-.0007**	**-.0003**	**-.0009**	**-.0003**
Stddev	.0002	.000	.0000	.0007	.0011	.0009	.0007	.0002
%RSD	61.39	205.8	.5448	91.07	149.2	354.1	86.30	59.43
#1	-.0004	-.0001	-.0040	.0012	.0000	-.0009	-.0003	-.0004
#2	-.0002	.0000	-.0040	.0003	-.0015	.0004	-.0014	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0075**	**.0032**	**.0040**	**.0071**	**.0150**	**.0383**	**-.0004**	**.0008**
Stddev	.0006	.0002	.0003	.0080	.0208	.0003	.0006	.0002
%RSD	8.002	7.096	7.413	112.4	139.0	.8050	155.1	20.05
#1	.0071	.0030	.0042	.0128	.0003	.0385	.0000	.0009
#2	.0079	.0033	.0038	.0015	.0297	.0380	-.0009	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 12:58:49 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0004**	**-.0003**	**.0002**	**-.0003**	**.0081**	**.0005**	F **-.0510**
Stddev	.0002	.0001	.0002	.0000	.0002	.0007	.0001	.0014
%RSD	25.82	26.78	59.73	12.19	60.27	9.001	20.25	2.724
#1	.0007	-.0005	-.0005	.0002	-.0002	.0087	.0006	-.0520
#2	.0005	-.0003	-.0002	.0001	-.0005	.0076	.0004	-.0500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0500
Low Limit								-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0005**	**-.0001**
Stddev	.0001	.0001
%RSD	21.64	196.8
#1	.0004	.0000
#2	.0005	-.0002
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**208160.**	**48831.**	**3414.7**	**8817.8**
Stddev	49.	9.	13.0	30.6
%RSD	.02331	.01862	.38052	.34715
#1	208120.	48824.	3423.9	8839.4
#2	208190.	48837.	3405.5	8796.1

Zoom In Zoom Out

Sample Name: mp80139-sd2 Acquired: 6/23/2014 13:05:01 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0560**	**-.0001**	**-.0003**	**-.0016**	**.0014**	**.0051**	**.3796**	**-.0009**	**-.0015**
Stddev	.0019	.0000	.0007	.0006	.0001	.0009	.0032	.0002	.0005
%RSD	3.407	33.72	198.4	34.25	3.610	18.02	.8516	26.59	34.70
#1	.0574	-.0001	.0001	-.0012	.0015	.0057	.3819	-.0007	-.0019
#2	.0547	-.0001	-.0008	-.0020	.0014	.0044	.3773	-.0011	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0606**	**-.0074**	**.0036**	**.0021**	**-.0040**	**.0039**	**-.0009**	**.1560**	**81.87**
Stddev	.0006	.0007	.0025	.0004	.0044	.0061	.0013	.0025	3.21
%RSD	.9661	9.757	70.84	20.25	111.7	158.4	144.4	1.593	3.924
#1	.0611	-.0079	.0018	.0018	-.0008	-.0005	-.0018	.1542	84.14
#2	.0602	-.0069	.0054	.0023	-.0071	.0082	.0000	.1577	79.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0868**	**14.60**	**3.640**	**313.4**	**.0269**	**.0119**	**.0018**	**3.583**	**-.0047**
Stddev	.0007	.59	.140	12.9	.0016	.0005	.0032	.012	.0010
%RSD	.8557	4.047	3.846	4.116	6.096	4.517	176.1	.3446	20.19
#1	.0863	15.02	3.739	322.6	.0281	.0123	.0041	3.574	-.0054
#2	.0874	14.19	3.541	304.3	.0258	.0115	-.0005	3.591	-.0040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6155**	**-.0020**	**.0168**	**-.0006**	**14.15**	**.0034**	**.0082**
Stddev	.0241	.0003	.0009	.0002	.04	.0021	.0091
%RSD	3.910	17.01	5.149	25.54	.2704	60.32	110.1
#1	.6325	-.0022	.0174	-.0007	14.12	.0049	.0146
#2	.5985	-.0017	.0161	-.0005	14.18	.0020	.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**200330.**	**48985.**	**3370.9**	**8639.1**
Stddev	1124.	1747.	1.1	1.4
%RSD	.56125	3.5658	.03215	.01622
#1	199540.	47750.	3371.7	8638.1
#2	201130.	50220.	3370.2	8640.1

Zoom In Zoom Out

Sample Name: mp80132-mb1 2 Acquired: 6/23/2014 13:11:07 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0000**	**.0000**	**.0000**	**-.0003**	**.0006**	**.0005**	**.0001**	**-.0003**
Stddev	.000	.000	.0001	.0000	.0000	.0000	.0000	.0001
%RSD	223.4	68.92	1117.	8.259	5.513	4.994	4.336	30.97
#1	.0000	.0000	.0001	-.0002	.0006	.0005	.0001	-.0003
#2	-.0001	.0000	-.0001	-.0003	.0006	.0005	.0001	-.0002

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0002**	**.0000**	**-.0025**	**.0002**	**-.0010**	**-.0004**	**.0001**	**-.0001**
Stddev	.0001	.000	.0001	.0003	.0005	.0004	.0005	.0002
%RSD	30.85	1205.	2.105	182.5	48.86	83.93	321.9	470.4
#1	-.0001	.0000	-.0025	.0004	-.0013	-.0002	-.0002	-.0002
#2	-.0002	.0000	-.0025	-.0001	-.0006	-.0007	.0005	.0001

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0086**	**.0114**	**.0089**	**.0063**	**.0192**	**.0175**	**-.0012**	**.0003**
Stddev	.0071	.0012	.0002	.0078	.0149	.0015	.0004	.0001
%RSD	83.41	10.55	2.034	122.8	77.99	8.453	34.10	49.81
#1	.0136	.0123	.0090	.0119	.0086	.0185	-.0015	.0004
#2	.0035	.0106	.0087	.0008	.0297	.0164	-.0009	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**.0180**	**.0003**	**.0000**	**.0001**	**.0010**	**.0000**	F **-.0541**
Stddev	.0004	.0008	.0001	.0000	.0000	.0003	.000	.0004
%RSD	310.4	4.313	42.31	1956.	20.62	31.10	458.7	.7932
#1	-.0001	.0185	.0003	.0000	.0000	.0008	-.0002	-.0544
#2	.0004	.0174	.0002	.0000	.0001	.0013	.0001	-.0538

Elem	Bi2230	Li6707
Avg	**-.0003**	**-.0010**
Stddev	.0004	.0010
%RSD	167.7	105.9
#1	.0000	-.0017
#2	-.0006	-.0002

Zoom In Zoom Out

Sample Name: mp80132-mb1 2 Acquired: 6/23/2014 13:11:07 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210220.**	**49213.**	**3434.6**	**8890.2**
Stddev	1641.	305.	17.1	41.4
%RSD	.78036	.61948	.49884	.46525
#1	211380.	49428.	3422.5	8861.0
#2	209060.	48997.	3446.7	8919.5

Zoom In Zoom Out

Sample Name: mp80132-lc1 Acquired: 6/23/2014 13:17:16 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5168**	**.5228**	**.4898**	**.4876**	**.4811**	**.4491**	**.4873**	**.5097**	**.1822**
Stddev	.0042	.0048	.0002	.0003	.0081	.0094	.0093	.0006	.0033
%RSD	.8191	.9110	.0493	.0567	1.690	2.097	1.908	.1222	1.787
#1	.5138	.5195	.4896	.4874	.4754	.4424	.4807	.5092	.1799
#2	.5198	.5262	.4899	.4878	.4869	.4558	.4938	.5101	.1845

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4751**	**.5379**	**.4939**	**.5157**	**.4971**	**.4994**	**.4771**	**5.033**	**5.812**
Stddev	.0086	.0030	.0018	.0014	.0008	.0016	.0022	.058	.055
%RSD	1.813	.5525	.3586	.2776	.1624	.3146	.4688	1.142	.9405
#1	.4690	.5358	.4927	.5147	.4976	.4983	.4755	4.992	5.773
#2	.4812	.5400	.4952	.5167	.4965	.5005	.4786	5.074	5.850

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.853**	**5.628**	**10.17**	**10.38**	**.0038**	**.4865**	**-.0013**	**.0101**	**.0004**
Stddev	.060	.067	.08	.10	.0006	.0010	.0009	.0009	.0005
%RSD	1.020	1.197	.7887	.9787	17.14	.1957	71.54	9.049	109.8
#1	5.811	5.580	10.11	10.31	.0042	.4858	-.0006	.0108	.0001
#2	5.895	5.676	10.22	10.45	.0033	.4872	-.0020	.0095	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.4768**	**.0048**	**.0002**	**-.0472**	**-.0022**	**-.0007**
Stddev	.0001	.0084	.0002	.0000	.0006	.0000	.0005
%RSD	33.10	1.766	4.596	11.06	1.217	2.154	71.74
#1	-.0001	.4708	.0046	.0002	-.0468	-.0022	-.0003
#2	-.0002	.4827	.0049	.0001	-.0476	-.0022	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**209690.**	**47869.**	**3360.8**	**8679.6**
Stddev	2742.	288.	5.1	12.1
%RSD	1.3078	.60266	.15311	.13918
#1	211630.	48073.	3364.4	8688.1
#2	207750.	47665.	3357.2	8671.0

Zoom In Zoom Out

Sample Name: mp80132-s1 Acquired: 6/23/2014 13:23:15 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.691**	**.0546**	**.0585**	**.5340**	**.2154**	**.2561**	**.6821**	**.5528**	**.0526**
Stddev	.165	.0025	.0000	.0019	.0009	.0014	.0049	.0015	.0004
%RSD	4.462	4.507	.0853	.3545	.4276	.5447	.7144	.2723	.7263
#1	3.807	.0564	.0585	.5353	.2147	.2551	.6787	.5538	.0523
#2	3.574	.0529	.0585	.5326	.2160	.2571	.6856	.5517	.0528

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5365**	**.5788**	**2.264**	**2.273**	**.5444**	**2.197**	**.5460**	**2.325**	**99.11**
Stddev	.0037	.0032	.004	.005	.0000	.004	.0005	.102	2.92
%RSD	.6888	.5505	.1703	.2050	.0033	.1992	.0932	4.374	2.945
#1	.5339	.5811	2.267	2.276	.5444	2.200	.5463	2.397	101.2
#2	.5392	.5765	2.262	2.269	.5444	2.194	.5456	2.253	97.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.694**	**49.51**	**31.08**	**93.79**	**.2487**	**.0010**	**-.0015**	**6.139**	**-.0015**
Stddev	.075	2.34	1.35	3.65	.0000	.0000	.0008	.009	.0004
%RSD	4.419	4.734	4.338	3.889	.0085	2.399	48.53	.1465	27.78
#1	1.747	51.17	32.04	96.37	.2487	.0010	-.0021	6.145	-.0012
#2	1.641	47.86	30.13	91.21	.2487	.0010	-.0010	6.132	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.202**	**.0030**	**.0043**	**-.0033**	**3.002**	**-.0016**	**.1044**
Stddev	.177	.0002	.0003	.0001	.009	.0002	.0052
%RSD	2.849	5.714	7.450	2.847	.2943	11.66	4.952
#1	6.327	.0029	.0045	-.0034	3.008	-.0015	.1080
#2	6.077	.0031	.0040	-.0032	2.995	-.0017	.1007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**192760.**	**48844.**	**3186.0**	**8172.1**
Stddev	847.	1817.	4.9	20.7
%RSD	.43933	3.7196	.15529	.25382
#1	193360.	47559.	3182.5	8157.5
#2	192160.	50128.	3189.5	8186.8

Zoom In Zoom Out

Sample Name: mp80132-s2 Acquired: 6/23/2014 13:29:30 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.808**	**.0569**	**.0588**	**.5421**	**.2177**	**.2588**	**.6894**	**.5595**	**.0530**
Stddev	.015	.0002	.0001	.0003	.0003	.0001	.0004	.0003	.0001
%RSD	.3922	.3544	.1937	.0550	.1319	.0400	.0526	.0619	.1728
#1	3.797	.0567	.0587	.5423	.2175	.2589	.6892	.5598	.0531
#2	3.818	.0570	.0589	.5419	.2179	.2587	.6897	.5593	.0529

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5419**	**.5859**	**2.288**	**2.302**	**.5518**	**2.227**	**.5548**	**2.409**	**101.8**
Stddev	.0011	.0001	.001	.002	.0001	.002	.0011	.005	.6
%RSD	.1976	.0108	.0327	.0951	.0094	.1041	.2057	.2263	.5562
#1	.5411	.5860	2.287	2.303	.5518	2.225	.5556	2.413	102.2
#2	.5426	.5859	2.288	2.300	.5519	2.229	.5540	2.405	101.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.750**	**51.34**	**32.22**	**95.21**	**.2495**	**.0009**	**-.0020**	**6.138**	**-.0014**
Stddev	.006	.12	.01	1.06	.0007	.0001	.0005	.004	.0004
%RSD	.3212	.2363	.0383	1.109	.2781	14.48	25.41	.0724	30.36
#1	1.754	51.26	32.21	95.96	.2490	.0009	-.0017	6.135	-.0011
#2	1.746	51.43	32.23	94.47	.2500	.0008	-.0024	6.141	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.324**	**.0031**	**.0032**	**-.0034**	**3.004**	**-.0028**	**.1071**
Stddev	.105	.0003	.0001	.0000	.002	.0002	.0007
%RSD	1.665	9.479	1.940	.1794	.0792	6.548	.6624
#1	6.398	.0033	.0032	-.0034	3.002	-.0030	.1076
#2	6.250	.0029	.0033	-.0034	3.005	-.0027	.1066

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**193590.**	**47506.**	**3193.6**	**8190.1**
Stddev	547.	9.	1.8	3.1
%RSD	.28258	.01927	.05676	.03796
#1	193970.	47500.	3194.9	8187.9
#2	193200.	47513.	3192.3	8192.3

Zoom In Zoom Out

Sample Name: jb69115-3 Acquired: 6/23/2014 13:35:48 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.566**	**.0000**	**-.0001**	**-.0003**	**.0009**	**.0010**	**.1319**	**.0008**	**.0001**
Stddev	.003	.000	.0000	.0002	.0002	.0000	.0011	.0000	.0002
%RSD	.1869	112.7	22.96	57.62	17.10	2.424	.8134	.3580	242.0
#1	1.568	.0000	-.0001	-.0002	.0008	.0009	.1326	.0008	-.0001
#2	1.564	.0000	-.0001	-.0004	.0010	.0010	.1311	.0008	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0021**	**.0080**	**.0033**	**-.0009**	**.0022**	**-.0010**	**.2642**	**71.96**
Stddev	.0003	.0000	.0001	.0007	.0006	.0001	.0004	.0005	.15
%RSD	25.91	.6005	1.550	22.05	67.95	6.321	42.60	.1798	.2102
#1	.0013	.0021	.0079	.0038	-.0013	.0021	-.0007	.2645	72.06
#2	.0009	.0021	.0081	.0028	-.0005	.0023	-.0012	.2639	71.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5697**	**22.45**	**4.377**	**65.45**	**.2357**	**-.0001**	**.0008**	**5.857**	**-.0012**
Stddev	.0019	.02	.024	.10	.0018	.0001	.0003	.047	.0002
%RSD	.3381	.1106	.5410	.1567	.7589	67.92	34.68	.7932	13.92
#1	.5710	22.47	4.394	65.52	.2370	-.0002	.0011	5.890	-.0013
#2	.5683	22.43	4.361	65.38	.2345	-.0001	.0006	5.825	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.987**	**.0058**	**-.0005**	**-.0014**	**2.977**	**-.0004**	**.1009**
Stddev	.144	.0013	.0003	.0002	.017	.0003	.0002
%RSD	2.408	22.19	63.87	12.36	.5809	98.40	.1591
#1	6.089	.0067	-.0008	-.0016	2.989	-.0001	.1007
#2	5.885	.0049	-.0003	-.0013	2.965	-.0006	.1010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**199330.**	**47958.**	**3258.7**	**8379.4**
Stddev	1264.	58.	12.3	32.2
%RSD	.63401	.12084	.37763	.38423
#1	198430.	47999.	3250.0	8356.6
#2	200220.	47917.	3267.4	8402.1

Zoom In Zoom Out

Sample Name: mp80132-sd1 Acquired: 6/23/2014 13:42:05 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.544**	**-.0001**	**-.0008**	**-.0010**	**.0010**	**.0023**	**.1357**	**-.0002**	**.0001**
Stddev	.004	.0001	.0000	.0005	.0007	.0018	.0001	.0008	.0009
%RSD	.2804	76.10	6.154	51.63	67.68	80.70	.0545	409.6	744.0
#1	1.541	-.0002	-.0008	-.0014	.0015	.0036	.1358	.0004	-.0005
#2	1.547	-.0001	-.0008	-.0007	.0005	.0010	.1356	-.0007	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**-.0002**	**.0068**	**.0021**	**-.0016**	**-.0004**	**-.0022**	**.3169**	**73.04**
Stddev	.0004	.0000	.0017	.0038	.0063	.0018	.0000	.0399	.10
%RSD	37.77	17.38	24.94	177.4	407.6	435.3	1.210	12.60	.1384
#1	.0014	-.0002	.0056	.0048	-.0060	-.0017	-.0022	.3451	72.97
#2	.0008	-.0003	.0080	-.0005	.0029	.0009	-.0022	.2886	73.11

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6005**	**22.64**	**4.266**	**64.95**	**.2227**	**-.0003**	**-.0012**	**5.859**	**-.0023**
Stddev	.0027	.09	.011	.20	.0023	.0005	.0037	.003	.0012
%RSD	.4541	.3838	.2639	.3127	1.050	153.5	309.5	.0475	54.52
#1	.6024	22.58	4.274	64.81	.2243	-.0007	-.0038	5.857	-.0014
#2	.5986	22.70	4.258	65.10	.2210	.0000	.0014	5.861	-.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.155**	**.0019**	**-.0141**	**-.0019**	**2.706**	**.0003**	**.0974**
Stddev	.023	.0007	.0018	.0000	.021	.0076	.0032
%RSD	.3699	37.71	12.46	.1684	.7954	3035.	3.323
#1	6.138	.0024	-.0153	-.0019	2.721	-.0051	.0952
#2	6.171	.0014	-.0129	-.0019	2.691	.0057	.0997

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**205260.**	**48493.**	**3373.6**	**8719.5**
Stddev	244.	12.	5.1	11.3
%RSD	.11909	.02568	.15022	.12979
#1	205430.	48502.	3370.0	8711.4
#2	205090.	48484.	3377.2	8727.5

Zoom In Zoom Out

Sample Name: mp80132-s3 Acquired: 6/23/2014 13:48:12 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.774**	**.0556**	**.0580**	**.5313**	**.2142**	**.2548**	**.6788**	**.5498**	**.0525**
Stddev	.019	.0001	.0000	.0013	.0023	.0008	.0036	.0005	.0003
%RSD	.4993	.0938	.0708	.2420	1.086	.3176	.5353	.0922	.6192
#1	3.760	.0555	.0580	.5304	.2125	.2543	.6763	.5494	.0522
#2	3.787	.0556	.0581	.5323	.2158	.2554	.6814	.5502	.0527

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5331**	**.5738**	**2.248**	**2.258**	**.5405**	**2.209**	**.5438**	**2.213**	**101.3**
Stddev	.0033	.0010	.006	.009	.0011	.009	.0024	.013	.3
%RSD	.6140	.1769	.2676	.4085	.2096	.4126	.4443	.5886	.3329
#1	.5308	.5730	2.244	2.251	.5397	2.203	.5421	2.204	101.6
#2	.5354	.5745	2.252	2.264	.5413	2.216	.5455	2.223	101.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.193**	**50.80**	**31.62**	**94.44**	**.2499**	**.0009**	**-.0023**	**5.973**	**-.0013**
Stddev	.004	.15	.12	.16	.0001	.0002	.0006	.019	.0005
%RSD	.3205	.2953	.3896	.1713	.0366	19.67	27.33	.3183	38.18
#1	1.190	50.69	31.54	94.32	.2499	.0007	-.0028	5.959	-.0009
#2	1.195	50.91	31.71	94.55	.2498	.0010	-.0019	5.986	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.388**	**.0016**	**.0030**	**-.0036**	**2.955**	**-.0022**	**.1064**
Stddev	.012	.0001	.0008	.0001	.014	.0006	.0003
%RSD	.1883	6.585	25.08	1.952	.4595	28.52	.2560
#1	6.397	.0016	.0025	-.0036	2.946	-.0017	.1062
#2	6.380	.0017	.0036	-.0037	2.965	-.0026	.1066

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**194240.**	**47846.**	**3220.3**	**8251.7**
Stddev	941.	88.	7.9	17.2
%RSD	.48450	.18320	.24578	.20808
#1	194900.	47908.	3225.9	8263.8
#2	193570.	47784.	3214.7	8239.6

Zoom In Zoom Out

Sample Name: mp80132-s4 Acquired: 6/23/2014 13:54:28 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.763**	**.0564**	**.0573**	**.5256**	**.2086**	**.2484**	**.6610**	**.5437**	**.0512**
Stddev	.102	.0007	.0000	.0009	.0032	.0041	.0099	.0006	.0004
%RSD	2.711	1.275	.0326	.1645	1.541	1.640	1.501	.1146	.6983
#1	3.691	.0559	.0573	.5262	.2064	.2455	.6540	.5442	.0509
#2	3.835	.0570	.0573	.5250	.2109	.2513	.6680	.5433	.0514

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5191**	**.5683**	**2.222**	**2.232**	**.5359**	**2.177**	**.5381**	**2.251**	**100.7**
Stddev	.0086	.0004	.010	.005	.0003	.008	.0029	.034	1.9
%RSD	1.663	.0671	.4582	.2484	.0522	.3753	.5331	1.527	1.906
#1	.5130	.5685	2.229	2.236	.5361	2.183	.5401	2.227	99.37
#2	.5252	.5680	2.215	2.229	.5357	2.171	.5361	2.275	102.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.203**	**50.91**	**31.86**	**94.11**	**.2412**	**.0008**	**-.0012**	**5.717**	**-.0019**
Stddev	.017	.75	.51	1.08	.0015	.0000	.0006	.021	.0009
%RSD	1.397	1.481	1.614	1.144	.6271	.7356	51.41	.3767	46.03
#1	1.191	50.37	31.50	93.35	.2422	.0008	-.0008	5.733	-.0013
#2	1.214	51.44	32.23	94.87	.2401	.0008	-.0017	5.702	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.235**	**.0011**	**.0030**	**-.0035**	**2.842**	**-.0027**	**.1061**
Stddev	.072	.0002	.0009	.0000	.013	.0008	.0019
%RSD	1.159	18.04	29.50	1.104	.4605	30.80	1.750
#1	6.184	.0010	.0037	-.0035	2.851	-.0032	.1048
#2	6.286	.0013	.0024	-.0035	2.832	-.0021	.1074

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**197610.**	**47328.**	**3238.4**	**8303.3**
Stddev	2137.	626.	11.1	20.9
%RSD	1.0812	1.3224	.34351	.25112
#1	199120.	47770.	3230.5	8288.5
#2	196100.	46885.	3246.3	8318.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 14:00:49 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.060**	**2.089**	**2.083**	**2.092**	**2.049**	**2.016**	**2.057**	**2.106**	**.2471**
Stddev	.000	.012	.001	.003	.004	.001	.010	.002	.0003
%RSD	.0167	.5510	.0496	.1344	.1900	.0258	.4936	.0932	.1244
#1	2.060	2.097	2.082	2.090	2.047	2.016	2.049	2.105	.2473
#2	2.060	2.080	2.084	2.094	2.052	2.015	2.064	2.107	.2469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.119**	**2.075**	**2.116**	**2.085**	**2.074**	**2.069**	**40.49**	**41.48**
Stddev	.002	.003	.002	.005	.003	.000	.001	.12	.17
%RSD	.0826	.1400	.0716	.2547	.1640	.0031	.0409	.3032	.4058
#1	2.014	2.117	2.074	2.112	2.082	2.074	2.069	40.57	41.60
#2	2.016	2.121	2.076	2.119	2.087	2.074	2.070	40.40	41.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.49**	**40.28**	**40.07**	**40.26**	**2.066**	**2.082**	**2.015**	**5.050**	**2.099**
Stddev	.15	.27	.05	.03	.001	.001	.000	.001	.000
%RSD	.3590	.6586	.1339	.0838	.0298	.0538	.0030	.0137	.0093
#1	41.59	40.47	40.11	40.29	2.066	2.081	2.015	5.050	2.100
#2	41.38	40.09	40.03	40.24	2.067	2.083	2.015	5.049	2.099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 14:00:49 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.086**	**2.046**	**1.998**	**2.052**	**2.009**	**1.987**	**1.983**
Stddev	.020	.001	.008	.001	.002	.000	.003
%RSD	.9755	.0228	.4057	.0226	.0733	.0001	.1705
#1	2.101	2.045	1.992	2.052	2.010	1.987	1.980
#2	2.072	2.046	2.003	2.051	2.008	1.987	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**198380.**	**48565.**	**3302.4**	**8502.4**
Stddev	965.	252.	1.2	9.8
%RSD	.48647	.51920	.03764	.11506
#1	199060.	48387.	3303.3	8509.4
#2	197700.	48743.	3301.5	8495.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 14:07:06 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0000**	**.0000**	**.0002**	**.0004**	**.0000**	**-.0002**
Stddev	.0001	.000	.000	.000	.0002	.0002	.000	.0001
%RSD	4878.	730.5	765.4	106.5	99.79	48.23	300.2	41.25
#1	-.0001	.0000	.0001	-.0001	.0001	.0005	.0000	-.0001
#2	.0001	.0000	-.0001	.0000	.0003	.0003	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**-.0041**	**.0004**	**-.0003**	**-.0005**	**.0008**	**-.0001**
Stddev	.000	.0001	.0001	.0005	.0012	.0005	.0014	.0007
%RSD	131.7	38.53	2.556	121.7	428.9	99.12	169.9	1098.
#1	-.0001	.0002	-.0042	.0001	-.0012	-.0009	-.0002	.0004
#2	.0000	.0003	-.0041	.0008	.0006	-.0002	.0019	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**.0011**	**.0024**	**.0073**	**.0062**	**-.0005**	**.0008**
Stddev	.004	.0006	.0004	.0023	.0077	.0050	.0003	.0000
%RSD	12890.	550.3	39.01	95.56	105.7	80.82	48.44	3.964
#1	-.0030	.0003	.0014	.0041	.0018	.0098	-.0007	.0009
#2	.0029	-.0005	.0008	.0008	.0127	.0027	-.0003	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 14:07:06 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0017**	**.0002**	**.0000**	**-.0001**	**.0077**	**.0003**	F **-.0517**
Stddev	.0004	.0002	.0000	.0000	.0003	.0019	.0001	.0017
%RSD	291.4	13.86	2.635	419.1	206.5	24.36	30.07	3.338
#1	.0004	.0015	.0002	.0000	.0001	.0090	.0004	-.0530
#2	-.0002	.0019	.0002	.0000	-.0004	.0064	.0002	-.0505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0500
Low Limit								-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0006**	**-.0006**
Stddev	.0008	.0005
%RSD	135.9	88.12
#1	.0000	-.0010
#2	.0012	-.0002
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**208060.**	**48869.**	**3421.3**	**8835.6**
Stddev	496.	223.	4.8	7.2
%RSD	.23848	.45717	.13936	.08177
#1	208410.	49027.	3424.6	8840.7
#2	207710.	48711.	3417.9	8830.5

Zoom In Zoom Out

Sample Name: jb69115-3f Acquired: 6/23/2014 14:13:19 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.619**	**.0000**	**-.0003**	**-.0005**	**.0004**	**.0004**	**.1319**	**.0000**	**.0001**
Stddev	.005	.000	.0001	.0000	.0001	.0002	.0032	.0001	.0001
%RSD	.2989	55.74	37.41	8.078	13.94	41.83	2.420	178.5	115.1
#1	1.615	-.0001	-.0003	-.0006	.0003	.0005	.1296	.0001	.0001
#2	1.622	.0000	-.0002	-.0005	.0004	.0003	.1341	.0000	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**-.0029**	**.0070**	**.0019**	**-.0010**	**.0022**	**-.0009**	**.0967**	**74.11**
Stddev	.0000	.0002	.0005	.0003	.0006	.0011	.0005	.0015	.02
%RSD	1.743	5.248	7.664	14.06	60.44	51.68	57.37	1.587	.0306
#1	.0008	-.0031	.0073	.0017	-.0014	.0030	-.0012	.0956	74.09
#2	.0008	-.0028	.0066	.0021	-.0006	.0014	-.0005	.0978	74.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0541**	**22.97**	**4.423**	**67.04**	**.2362**	**.0002**	**-.0001**	**5.637**	**-.0010**
Stddev	.0007	.11	.008	.21	.0015	.0001	.0016	.027	.0001
%RSD	1.338	.4713	.1747	.3106	.6145	51.42	1432.	.4761	13.56
#1	.0536	22.90	4.417	66.89	.2372	.0001	-.0012	5.656	-.0009
#2	.0547	23.05	4.428	67.19	.2352	.0003	.0010	5.618	-.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.226**	**.0002**	**.0066**	**-.0016**	**2.853**	**-.0010**	**.1041**
Stddev	.092	.0002	.0005	.0001	.014	.0002	.0002
%RSD	1.482	142.9	7.948	8.235	.4976	23.11	.2111
#1	6.161	.0000	.0070	-.0017	2.863	-.0008	.1043
#2	6.291	.0003	.0062	-.0015	2.843	-.0012	.1039

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**203540.**	**48195.**	**3287.8**	**8458.8**
Stddev	3883.	256.	10.7	22.5
%RSD	1.9078	.53069	.32544	.26625
#1	206290.	48376.	3280.3	8442.8
#2	200800.	48014.	3295.4	8474.7

Zoom In Zoom Out

Sample Name: mp80132-sd2 Acquired: 6/23/2014 14:19:36 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.607**	**-.0001**	**-.0003**	**-.0013**	**.0024**	**.0024**	**.1406**	**-.0008**	**-.0014**
Stddev	.001	.0001	.0002	.0002	.0006	.0012	.0022	.0012	.0008
%RSD	.0524	101.8	79.86	13.62	26.60	49.49	1.586	155.4	60.46
#1	1.606	-.0001	-.0001	-.0014	.0028	.0016	.1390	.0001	-.0019
#2	1.607	.0000	-.0005	-.0012	.0019	.0033	.1422	-.0016	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0023**	**-.0024**	**.0117**	**.0005**	**-.0055**	**.0022**	**-.0010**	**.1160**	**75.45**
Stddev	.0004	.0007	.0005	.0046	.0001	.0010	.0008	.0287	.02
%RSD	19.35	28.00	4.041	994.1	2.520	43.90	76.19	24.76	.0293
#1	.0026	-.0019	.0120	.0037	-.0056	.0028	-.0005	.0957	75.47
#2	.0019	-.0029	.0113	-.0028	-.0054	.0015	-.0015	.1363	75.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0916**	**23.25**	**4.562**	**66.84**	**.2313**	**.0007**	**-.0047**	**5.635**	**-.0023**
Stddev	.0014	.03	.096	.06	.0021	.0003	.0003	.019	.0004
%RSD	1.546	.1283	2.099	.0935	.8866	40.55	6.348	.3330	17.17
#1	.0926	23.23	4.495	66.79	.2328	.0005	-.0049	5.622	-.0020
#2	.0906	23.27	4.630	66.88	.2299	.0009	-.0045	5.648	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.372**	**-.0008**	**-.0066**	**-.0023**	**2.649**	**-.0008**	**.1014**
Stddev	.005	.0003	.0054	.0000	.011	.0005	.0018
%RSD	.0752	35.69	81.98	1.292	.3999	69.69	1.791
#1	6.368	-.0006	-.0104	-.0023	2.642	-.0011	.1001
#2	6.375	-.0010	-.0028	-.0023	2.657	-.0004	.1026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**204370.**	**49300.**	**3402.9**	**8798.4**
Stddev	3310.	25.	10.1	18.5
%RSD	1.6195	.05004	.29730	.21024
#1	206710.	49318.	3410.1	8811.4
#2	202030.	49283.	3395.8	8785.3

Zoom In Zoom Out

Sample Name: jb69115-2 Acquired: 6/23/2014 14:25:43 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0976**	**.0000**	**.0001**	**-.0006**	**.0003**	**.0012**	**.0063**	**.0003**	**-.0001**
Stddev	.0019	.000	.0001	.0000	.0001	.0002	.0000	.0001	.0001
%RSD	1.937	159.8	104.0	1.451	23.17	14.06	.1940	49.79	66.34
#1	.0963	.0000	.0000	-.0006	.0003	.0013	.0063	.0004	-.0002
#2	.0989	.0000	.0001	-.0006	.0004	.0011	.0063	.0002	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**-.0013**	**.0020**	**.0003**	**.0002**	**.0011**	**-.0002**	**.1075**	**85.46**
Stddev	.0002	.0001	.0002	.0009	.0000	.0003	.0007	.0080	1.19
%RSD	35.16	5.831	8.642	348.4	7.547	29.98	427.9	7.399	1.398
#1	.0003	-.0013	.0021	-.0004	.0001	.0009	.0003	.1131	84.61
#2	.0005	-.0012	.0018	.0009	.0002	.0014	-.0006	.1018	86.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0260**	**27.08**	**1.875**	**18.52**	**.0215**	**.0009**	**.0002**	**6.130**	**-.0014**
Stddev	.0009	.32	.046	.32	.0006	.0000	.0004	.047	.0001
%RSD	3.286	1.198	2.465	1.711	2.582	5.093	177.9	.7657	4.770
#1	.0254	26.85	1.843	18.29	.0211	.0009	-.0001	6.163	-.0015
#2	.0266	27.31	1.908	18.74	.0219	.0010	.0005	6.097	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.509**	**.0002**	**-.0008**	**-.0010**	**11.86**	**-.0001**	**.0232**
Stddev	.028	.0000	.0000	.0000	.09	.0005	.0017
%RSD	1.841	6.224	5.834	2.898	.7588	313.0	7.395
#1	1.489	.0003	-.0008	-.0011	11.93	-.0005	.0220
#2	1.528	.0002	-.0009	-.0010	11.80	.0002	.0244

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**200870.**	**49400.**	**3279.7**	**8458.7**
Stddev	72.	305.	22.3	62.9
%RSD	.03560	.61760	.68103	.74354
#1	200920.	49616.	3263.9	8414.2
#2	200820.	49185.	3295.5	8503.1

Zoom In Zoom Out

Sample Name: jb69115-4 Acquired: 6/23/2014 14:31:58 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2069**	**.0000**	**-.0005**	**-.0005**	**.0006**	**.0015**	**.0015**	**.0001**	**.0003**
Stddev	.0018	.000	.0002	.0002	.0003	.0002	.0000	.0001	.0001
%RSD	.8610	34.93	44.11	40.68	45.33	13.63	.8713	77.41	25.43
#1	.2057	.0000	-.0003	-.0006	.0004	.0016	.0015	.0001	.0002
#2	.2082	.0000	-.0006	-.0003	.0008	.0013	.0015	.0002	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**-.0021**	**.0029**	**.0006**	**-.0011**	**.0054**	**-.0005**	**.0832**	**62.18**
Stddev	.0000	.0001	.0008	.0003	.0001	.0009	.0015	.0009	.57
%RSD	3.932	5.725	26.79	54.82	8.917	16.68	325.5	1.089	.9110
#1	.0010	-.0022	.0023	.0003	-.0010	.0060	.0006	.0825	61.78
#2	.0009	-.0020	.0034	.0008	-.0012	.0047	-.0015	.0838	62.58

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0356**	**19.54**	**4.603**	**105.7**	**.3056**	**.0196**	**.0012**	**3.359**	**.0000**
Stddev	.0023	.20	.004	3.7	.0006	.0002	.0007	.005	.000
%RSD	6.469	1.025	.0757	3.498	.2126	1.110	61.32	.1519	144.5
#1	.0340	19.40	4.600	103.1	.3051	.0195	.0007	3.356	-.0001
#2	.0372	19.69	4.605	108.3	.3060	.0198	.0017	3.363	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.197**	**.0003**	**-.0015**	**-.0021**	**42.93**	**-.0002**	**.1640**
Stddev	.021	.0003	.0004	.0000	.08	.0002	.0017
%RSD	.3406	93.28	25.96	1.873	.1951	86.09	1.024
#1	6.183	.0005	-.0018	-.0021	42.87	-.0004	.1628
#2	6.212	.0001	-.0012	-.0021	42.99	-.0001	.1652

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**198860.**	**48314.**	**3282.7**	**8413.1**
Stddev	323.	444.	4.2	7.8
%RSD	.16239	.91890	.12831	.09248
#1	199090.	48628.	3285.7	8418.6
#2	198630.	48000.	3279.8	8407.6

Zoom In Zoom Out

Sample Name: jb69115-6 Acquired: 6/23/2014 14:38:16 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2822**	**.0000**	**.0006**	**-.0008**	**.0011**	**.0028**	**.0598**	**.0040**	**-.0002**
Stddev	.0083	.000	.0000	.0001	.0000	.0003	.0004	.0000	.0003
%RSD	2.925	74.10	4.097	7.131	1.677	9.364	.6031	1.163	154.7
#1	.2881	.0000	.0006	-.0009	.0011	.0030	.0601	.0040	.0000
#2	.2764	-.0001	.0006	-.0008	.0011	.0026	.0595	.0041	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**-.0030**	**.0019**	**.0067**	**-.0027**	**.0076**	**-.0013**	**.3173**	**415.4**
Stddev	.0003	.0000	.0002	.0003	.0005	.0008	.0010	.0070	14.0
%RSD	17.95	.2879	9.897	4.046	18.30	11.16	76.00	2.193	3.375
#1	.0013	-.0030	.0021	.0065	-.0024	.0082	-.0021	.3222	425.3
#2	.0017	-.0030	.0018	.0069	-.0031	.0070	-.0006	.3124	405.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0333**	**134.5**	**10.68**	**966.3**	**.0784**	**-.0005**	**.0022**	**6.187**	**-.0024**
Stddev	.0001	4.2	.32	18.2	.0005	.0001	.0001	.014	.0003
%RSD	.3748	3.135	2.974	1.885	.6870	17.85	2.915	.2239	10.86
#1	.0334	137.5	10.91	979.2	.0788	-.0005	.0021	6.197	-.0022
#2	.0332	131.5	10.46	953.4	.0781	-.0004	.0022	6.178	-.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**11.07**	**.0009**	**-.0003**	**-.0034**	**52.11**	**-.0012**	**.1968**
Stddev	.19	.0003	.0001	.0001	.11	.0000	.0049
%RSD	1.745	38.07	36.27	2.643	.2051	2.168	2.468
#1	11.21	.0007	-.0002	-.0035	52.19	-.0012	.2002
#2	10.94	.0012	-.0004	-.0034	52.04	-.0013	.1933

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**174590.**	**45028.**	**2931.9**	**7234.4**
Stddev	818.	1322.	5.5	8.7
%RSD	.46835	2.9369	.18893	.11985
#1	174010.	44093.	2928.0	7228.3
#2	175170.	45963.	2935.8	7240.6

Zoom In Zoom Out

Sample Name: jb69115-7 Acquired: 6/23/2014 14:44:38 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2529**	**.0000**	**.0004**	**-.0007**	**.0015**	**.0034**	**.0544**	**.0041**	**-.0001**
Stddev	.0003	.000	.0001	.0002	.0003	.0000	.0001	.0001	.0000
%RSD	.1074	48.79	31.26	31.11	18.79	.3154	.1759	2.390	31.92
#1	.2530	.0000	.0004	-.0008	.0013	.0034	.0544	.0040	-.0001
#2	.2527	-.0001	.0003	-.0005	.0017	.0034	.0543	.0042	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0017**	**-.0005**	**.0014**	**.0062**	**-.0016**	**.0063**	**-.0011**	**.4482**	**356.6**
Stddev	.0001	.0001	.0003	.0013	.0004	.0017	.0011	.0033	2.0
%RSD	3.473	16.90	19.34	21.02	21.82	27.25	104.8	.7447	.5588
#1	.0017	-.0006	.0016	.0071	-.0014	.0051	-.0019	.4506	358.0
#2	.0016	-.0005	.0012	.0053	-.0019	.0075	-.0003	.4459	355.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2599**	**113.7**	**8.985**	**842.7**	**.0688**	**-.0004**	**.0016**	**5.640**	**-.0016**
Stddev	.0003	.5	.001	2.4	.0010	.0002	.0006	.010	.0002
%RSD	.1296	.4199	.0153	.2861	1.493	52.24	37.08	.1774	15.17
#1	.2601	114.1	8.986	844.5	.0681	-.0005	.0020	5.633	-.0014
#2	.2596	113.4	8.984	841.0	.0695	-.0002	.0012	5.647	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**9.273**	**.0029**	**-.0006**	**-.0030**	**45.74**	**-.0004**	**.1696**
Stddev	.043	.0001	.0001	.0002	.05	.0001	.0007
%RSD	.4641	2.475	9.255	7.005	.1045	37.19	.4199
#1	9.303	.0028	-.0006	-.0028	45.71	-.0003	.1701
#2	9.242	.0029	-.0007	-.0031	45.78	-.0004	.1691

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**176350.**	**46649.**	**2957.4**	**7309.4**
Stddev	340.	262.	3.0	1.4
%RSD	.19295	.56143	.10137	.01853
#1	176110.	46464.	2959.5	7310.4
#2	176590.	46834.	2955.3	7308.5

Zoom In Zoom Out

Sample Name: jb69115-8 Acquired: 6/23/2014 14:50:59 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0439**	**.0000**	**.0002**	**-.0005**	**.0006**	**.0021**	**.0108**	**.0006**	**-.0002**
Stddev	.0004	.000	.0001	.0001	.0002	.0001	.0001	.0003	.0002
%RSD	.8675	50.80	35.80	19.84	32.14	6.931	.7731	50.39	90.70
#1	.0442	-.0001	.0001	-.0005	.0004	.0020	.0107	.0008	-.0001
#2	.0437	.0000	.0002	-.0006	.0007	.0022	.0109	.0004	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0758**	**-.0010**	**.0051**	**-.0006**	**-.0003**	**-.0005**	**.0006**	**.1390**	**90.81**
Stddev	.0006	.0001	.0005	.0004	.0005	.0004	.0003	.0050	.19
%RSD	.7689	5.581	10.19	60.96	200.7	97.23	46.41	3.589	.2100
#1	.0754	-.0010	.0055	-.0008	-.0006	-.0001	.0007	.1425	90.95
#2	.0762	-.0009	.0047	-.0003	.0001	-.0008	.0004	.1354	90.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0717**	**19.22**	**1.981**	**15.12**	**.0453**	**.0040**	**.0010**	**4.604**	**-.0014**
Stddev	.0001	.02	.014	.03	.0001	.0001	.0005	.027	.0000
%RSD	.0729	.0812	.7272	.1911	.2744	1.389	52.95	.5775	.2711
#1	.0717	19.23	1.992	15.14	.0452	.0040	.0014	4.623	-.0014
#2	.0718	19.21	1.971	15.10	.0454	.0039	.0006	4.585	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4845**	**.0005**	**-.0018**	**-.0010**	**14.19**	**-.0012**	**.0083**
Stddev	.0005	.0001	.0003	.0000	.09	.0005	.0006
%RSD	.1010	11.78	19.11	1.806	.6034	40.16	7.244
#1	.4848	.0005	-.0016	-.0010	14.25	-.0015	.0087
#2	.4841	.0006	-.0021	-.0011	14.13	-.0009	.0079

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**200870.**	**49246.**	**3300.2**	**8518.3**
Stddev	781.	123.	19.9	51.9
%RSD	.38876	.25040	.60169	.60958
#1	201420.	49159.	3286.2	8481.6
#2	200310.	49334.	3314.2	8555.0

Zoom In Zoom Out

Sample Name: jb69115-9 Acquired: 6/23/2014 14:57:11 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**.0000**	**.0000**	**-.0001**	**.0005**	**.0004**	**.0001**	**-.0005**
Stddev	.0001	.000	.0000	.0000	.0001	.0001	.0000	.0000
%RSD	50.29	39.20	121.2	29.75	10.42	15.54	33.85	.6523
#1	.0001	.0000	.0000	-.0002	.0005	.0004	.0001	-.0005
#2	.0002	.0000	.0000	-.0001	.0006	.0005	.0001	-.0005

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**.0002**	**-.0024**	**-.0011**	F **-.0024**	**-.0010**	**.0006**	**.0004**
Stddev	.0001	.0000	.0001	.0000	.0003	.0001	.0002	.0006
%RSD	63.60	7.966	4.822	1.007	13.45	12.42	30.27	145.1
#1	.0002	.0002	-.0023	-.0011	-.0026	-.0011	.0004	.0008
#2	.0001	.0002	-.0025	-.0011	-.0021	-.0009	.0007	.0000

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0096**	**.0123**	**.0051**	**-.0021**	**.0451**	**.0550**	**-.0013**	**.0002**
Stddev	.0030	.0006	.0011	.0022	.0138	.0012	.0004	.0001
%RSD	31.22	4.689	21.74	107.7	30.62	2.235	28.04	32.84
#1	.0117	.0119	.0059	-.0037	.0353	.0558	-.0011	.0001
#2	.0075	.0127	.0043	-.0005	.0549	.0541	-.0016	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**.0360**	**.0003**	**.0000**	**-.0002**	**-.0022**	**.0002**	**-.0482**
Stddev	.0003	.0004	.0002	.000	.0001	.0005	.0000	.0013
%RSD	212.3	1.082	93.51	392.2	58.08	23.50	16.46	2.652
#1	-.0001	.0357	.0001	.0000	-.0001	-.0025	.0002	-.0473
#2	.0003	.0362	.0004	.0000	-.0002	-.0018	.0002	-.0491

Elem	Bi2230	Li6707
Avg	**-.0006**	**-.0003**
Stddev	.0000	.0006
%RSD	4.410	177.5
#1	-.0006	.0001
#2	-.0006	-.0007

Zoom In Zoom Out

Sample Name: jb69115-9 Acquired: 6/23/2014 14:57:11 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210070.**	**50043.**	**3433.8**	**8876.7**
Stddev	240.	97.	24.3	60.5
%RSD	.11403	.19348	.70861	.68143
#1	210240.	50111.	3416.6	8833.9
#2	209900.	49974.	3451.0	8919.5

Zoom In Zoom Out

Sample Name: jb69115-2f Acquired: 6/23/2014 15:03:20 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0983**	**.0000**	**.0002**	**-.0006**	**.0003**	**.0013**	**.0052**	**-.0001**	**-.0002**
Stddev	.0004	.000	.0000	.0001	.0001	.0000	.0000	.0002	.0002
%RSD	.3898	32.59	14.08	23.51	34.11	1.694	.0501	225.1	86.45
#1	.0985	.0000	.0002	-.0007	.0003	.0013	.0052	-.0002	-.0003
#2	.0980	.0000	.0002	-.0005	.0004	.0013	.0052	.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0029**	**.0014**	**-.0007**	**-.0002**	**.0011**	**.0000**	**.0985**	**85.98**
Stddev	.0001	.0001	.0003	.0014	.0002	.0005	.0003	.0045	.97
%RSD	56.48	3.121	20.42	203.6	83.18	46.13	770.1	4.604	1.127
#1	.0003	-.0029	.0015	-.0017	-.0001	.0007	.0002	.1017	86.66
#2	.0001	-.0028	.0012	.0003	-.0004	.0014	-.0002	.0953	85.29

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0101**	**27.07**	**1.877**	**18.40**	**.0211**	**.0011**	**-.0003**	**5.828**	**-.0017**
Stddev	.0019	.02	.006	.10	.0002	.0002	.0013	.070	.0002
%RSD	18.29	.0579	.3091	.5628	.7793	15.36	378.6	1.192	8.842
#1	.0115	27.08	1.873	18.47	.0210	.0010	.0006	5.877	-.0018
#2	.0088	27.06	1.881	18.32	.0212	.0013	-.0013	5.779	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.513**	**.0001**	**.0110**	**-.0012**	**11.38**	**-.0010**	**.0235**
Stddev	.007	.0001	.0001	.0001	.12	.0007	.0008
%RSD	.4840	64.29	.5095	7.548	1.030	70.65	3.581
#1	1.518	.0001	.0110	-.0013	11.46	-.0005	.0229
#2	1.507	.0000	.0110	-.0011	11.30	-.0014	.0241

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**201370.**	**48672.**	**3314.8**	**8534.8**
Stddev	182.	52.	30.6	78.6
%RSD	.09035	.10686	.92253	.92128
#1	201240.	48709.	3293.1	8479.2
#2	201490.	48636.	3336.4	8590.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 15:09:32 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.089**	**2.062**	**2.076**	**2.046**	**2.006**	**2.047**	**2.100**	**.2458**
Stddev	.002	.018	.001	.002	.022	.025	.028	.002	.0027
%RSD	.0877	.8371	.0594	.0877	1.064	1.227	1.361	.0813	1.084
#1	2.056	2.102	2.061	2.078	2.030	1.989	2.028	2.101	.2439
#2	2.053	2.077	2.063	2.075	2.061	2.024	2.067	2.099	.2477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**2.115**	**2.060**	**2.114**	**2.076**	**2.085**	**2.056**	**39.96**	**41.01**
Stddev	.024	.004	.005	.002	.004	.003	.003	.03	.03
%RSD	1.198	.2101	.2633	.1141	.1675	.1529	.1673	.0869	.0693
#1	1.993	2.118	2.056	2.116	2.078	2.083	2.053	39.99	40.99
#2	2.027	2.112	2.064	2.112	2.073	2.087	2.058	39.94	41.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.99**	**40.07**	**39.60**	**39.75**	**2.054**	**2.069**	**2.005**	**5.010**	**2.081**
Stddev	.02	.03	.03	.05	.004	.004	.023	.009	.003
%RSD	.0555	.0726	.0772	.1370	.1813	.2041	1.148	.1787	.1233
#1	40.97	40.05	39.58	39.72	2.052	2.066	1.989	5.003	2.079
#2	41.00	40.09	39.62	39.79	2.057	2.072	2.022	5.016	2.083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 15:09:32 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.095**	**2.029**	**1.804**	**2.035**	**2.002**	**1.983**	**1.953**
Stddev	.004	.025	.045	.028	.002	.005	.001
%RSD	.2078	1.212	2.474	1.371	.1223	.2465	.0550
#1	2.098	2.012	1.772	2.015	2.003	1.979	1.954
#2	2.092	2.047	1.835	2.055	2.000	1.986	1.952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**198870.**	**49051.**	**3324.7**	**8543.4**
Stddev	2099.	119.	1.1	7.6
%RSD	1.0556	.24240	.03377	.08863
#1	200360.	49135.	3325.5	8538.0
#2	197390.	48967.	3323.9	8548.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 15:15:51 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**.0000**	**.0005**	**.0005**	**.0002**	**.0000**
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.0000	.000
%RSD	18.46	179.7	40.76	350.1	17.91	8.383	7.175	622.0
#1	.0001	.0000	.0002	.0000	.0005	.0005	.0002	-.0001
#2	.0001	.0000	.0001	.0001	.0006	.0004	.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**-.0048**	**.0013**	**-.0005**	**-.0001**	**-.0002**	**-.0007**
Stddev	.0002	.0003	.0000	.0000	.0004	.0002	.0005	.0000
%RSD	115.7	140.3	.7563	3.405	98.20	146.2	192.6	6.507
#1	-.0003	.0000	-.0049	.0013	-.0001	-.0003	-.0006	-.0007
#2	.0000	.0004	-.0048	.0014	-.0008	.0000	.0001	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**.0024**	**.0017**	**.0039**	**.0392**	**.0150**	**-.0002**	**.0013**
Stddev	.0026	.0000	.0003	.0019	.0034	.0019	.0007	.0003
%RSD	70.38	1.703	15.79	48.63	8.715	12.75	319.1	19.41
#1	.0019	.0024	.0015	.0053	.0368	.0137	.0003	.0015
#2	.0056	.0024	.0019	.0026	.0416	.0164	-.0007	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 15:15:51 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0020**	**-.0001**	**.0001**	**.0003**	**.0199**	W **.0012**	F **-.0542**
Stddev	.0010	.0006	.0002	.0000	.0002	.0019	.0001	.0016
%RSD	1009.	28.83	127.7	35.44	54.81	9.485	10.16	2.908
#1	.0008	.0024	-.0003	.0001	.0002	.0213	.0011	-.0531
#2	-.0006	.0016	.0000	.0001	.0005	.0186	.0013	-.0553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail
High Limit							.0011	.0500
Low Limit							-.0011	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0003**	**-.0010**
Stddev	.0001	.0004
%RSD	54.31	37.26
#1	.0002	-.0008
#2	.0003	-.0013
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**210020.**	**49910.**	**3447.8**	**8893.**1
Stddev	213.	3.	10.1	26.2
%RSD	.10121	.00596	.29329	.29415
#1	210170.	49913.	3440.7	8874.6
#2	209870.	49908.	3455.0	8911.6

Zoom In Zoom Out

Sample Name: jb69115-4f Acquired: 6/23/2014 15:22:01 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2059**	**.0000**	**-.0005**	**-.0004**	**.0005**	**.0015**	**.0049**	**.0010**	**.0001**
Stddev	.0006	.000	.0001	.0000	.0002	.0001	.0000	.0000	.0007
%RSD	.2737	181.8	17.25	4.464	46.40	8.753	.2910	.1263	879.1
#1	.2063	.0000	-.0004	-.0004	.0003	.0016	.0049	.0010	-.0004
#2	.2055	.0000	-.0005	-.0004	.0006	.0014	.0048	.0010	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**-.0036**	**.0041**	**-.0009**	**-.0006**	**.0024**	**.0001**	**.0726**	**61.24**
Stddev	.0002	.0001	.0003	.0006	.0002	.0009	.0008	.0036	.15
%RSD	14.01	3.812	6.141	72.93	37.13	35.49	813.3	4.987	.2466
#1	.0012	-.0037	.0042	-.0013	-.0004	.0031	.0007	.0700	61.14
#2	.0014	-.0035	.0039	-.0004	-.0007	.0018	-.0005	.0751	61.35

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0203**	**19.21**	**4.578**	**105.3**	**.3025**	**.0214**	**.0017**	**3.302**	**-.0010**
Stddev	.0013	.06	.029	2.1	.0002	.0002	.0003	.002	.0002
%RSD	6.292	.3261	.6274	1.955	.0504	1.107	18.40	.0617	17.29
#1	.0194	19.17	4.558	103.9	.3024	.0216	.0015	3.301	-.0011
#2	.0212	19.26	4.598	106.8	.3026	.0212	.0019	3.303	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.102**	**-.0002**	**.0598**	**-.0007**	**42.42**	**-.0004**	**.1626**
Stddev	.012	.0005	.0015	.0001	.02	.0005	.0000
%RSD	.1942	278.4	2.474	12.10	.0410	134.1	.0288
#1	6.094	.0002	.0609	-.0006	42.41	.0000	.1625
#2	6.111	-.0005	.0588	-.0007	42.43	-.0008	.1626

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**198690.**	**48685.**	**3291.9**	**8439.9**
Stddev	1354.	189.	2.7	5.6
%RSD	.68142	.38808	.08127	.06691
#1	199650.	48819.	3290.0	8435.9
#2	197740.	48551.	3293.8	8443.9

Zoom In Zoom Out

Sample Name: jb69115-6f Acquired: 6/23/2014 15:28:17 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2714**	**.0000**	**.0004**	**-.0010**	**.0010**	**.0034**	**.0541**	**.0041**	**-.0006**
Stddev	.0002	.000	.0002	.0002	.0002	.0002	.0009	.0001	.0003
%RSD	.0895	127.9	54.71	19.75	16.53	4.495	1.588	3.027	49.07
#1	.2715	.0000	.0002	-.0008	.0009	.0033	.0535	.0040	-.0009
#2	.2712	.0000	.0005	-.0011	.0011	.0035	.0548	.0042	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**-.0034**	**.0019**	**.0044**	**-.0018**	**.0058**	**-.0003**	**.2969**	**403.0**
Stddev	.0003	.0000	.0002	.0011	.0007	.0014	.0008	.0042	.4
%RSD	18.45	.2896	12.16	25.78	40.49	24.88	229.1	1.426	.0942
#1	.0018	-.0034	.0018	.0036	-.0023	.0048	.0002	.2939	402.7
#2	.0014	-.0034	.0021	.0052	-.0013	.0068	-.0009	.2999	403.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0089**	**129.3**	**10.29**	**931.0**	**.0789**	**.0009**	**.0026**	**6.140**	**-.0021**
Stddev	.0002	.3	.03	16.4	.0003	.0002	.0004	.024	.0006
%RSD	2.136	.2477	.2742	1.760	.3853	18.30	14.66	.3933	27.06
#1	.0088	129.5	10.31	942.6	.0791	.0008	.0023	6.123	-.0025
#2	.0090	129.1	10.27	919.4	.0787	.0010	.0028	6.157	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**10.60**	**.0007**	**.0338**	**-.0023**	**51.78**	**-.0012**	**.1923**
Stddev	.14	.0003	.0006	.0000	.19	.0005	.0001
%RSD	1.337	40.10	1.857	.5597	.3681	40.53	.0310
#1	10.70	.0005	.0342	-.0023	51.65	-.0015	.1923
#2	10.50	.0009	.0333	-.0023	51.92	-.0008	.1922

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**173260.**	**46338.**	**2930.2**	**7233.7**
Stddev	2389.	170.	9.3	21.1
%RSD	1.3788	.36659	.31719	.29123
#1	174950.	46218.	2936.8	7248.6
#2	171570.	46458.	2923.7	7218.8

Zoom In Zoom Out

Sample Name: jb69115-7f Acquired: 6/23/2014 15:34:42 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2660**	**-.0001**	**.0004**	**-.0005**	**.0009**	**.0029**	**.0567**	**.0039**	**-.0004**
Stddev	.0024	.0000	.0001	.0002	.0002	.0003	.0001	.0001	.0001
%RSD	.8990	27.87	18.21	51.70	27.90	11.69	.1414	2.345	18.87
#1	.2643	.0000	.0005	-.0007	.0007	.0026	.0567	.0039	-.0003
#2	.2677	-.0001	.0004	-.0003	.0011	.0031	.0568	.0040	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**-.0027**	**.0017**	**.0073**	**-.0023**	**.0066**	**-.0027**	**.2916**	**394.9**
Stddev	.0000	.0001	.0009	.0004	.0000	.0023	.0008	.0033	2.4
%RSD	2.961	3.226	53.78	5.098	1.789	35.38	30.68	1.121	.6150
#1	.0014	-.0027	.0024	.0071	-.0024	.0082	-.0021	.2940	393.1
#2	.0015	-.0026	.0011	.0076	-.0023	.0049	-.0033	.2893	396.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0065**	**126.2**	**10.01**	**911.6**	**.0763**	**.0000**	**.0021**	**5.954**	**-.0019**
Stddev	.0003	1.6	.09	1.9	.0002	.000	.0003	.026	.0003
%RSD	3.996	1.242	.8890	.2119	.3189	143.4	13.02	.4451	18.10
#1	.0063	125.1	9.946	910.3	.0761	.0000	.0020	5.935	-.0021
#2	.0067	127.3	10.07	913.0	.0765	-.0001	.0023	5.973	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**10.47**	**.0005**	**.0028**	**-.0032**	**50.20**	**-.0008**	**.1880**
Stddev	.10	.0000	.0003	.0002	.27	.0006	.0025
%RSD	.9287	6.331	11.20	5.144	.5300	69.43	1.346
#1	10.40	.0005	.0030	-.0033	50.01	-.0004	.1862
#2	10.54	.0004	.0025	-.0030	50.38	-.0012	.1898

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**175660.**	**46211.**	**2939.7**	**7251.0**
Stddev	137.	474.	14.8	35.8
%RSD	.07797	1.0258	.50247	.49435
#1	175570.	46546.	2950.1	7276.4
#2	175760.	45876.	2929.2	7225.7

Zoom In Zoom Out

Sample Name: jb69115-8f Acquired: 6/23/2014 15:41:07 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0402**	**.0000**	**.0001**	**-.0004**	**.0004**	**.0020**	**.0037**	**.0004**	**.0000**
Stddev	.0005	.000	.0001	.0001	.0003	.0001	.0000	.0001	.0004
%RSD	1.292	135.8	154.7	15.62	64.68	2.636	.7041	14.75	2081.
#1	.0405	.0000	.0002	-.0004	.0006	.0020	.0037	.0005	-.0002
#2	.0398	.0000	.0000	-.0005	.0002	.0019	.0038	.0004	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0840**	**-.0026**	**.0049**	**-.0009**	**-.0005**	**-.0006**	**.0001**	**.1076**	**88.73**
Stddev	.0006	.0002	.0003	.0009	.0003	.0014	.0003	.0092	.87
%RSD	.7359	6.913	5.974	105.5	69.78	246.8	265.5	8.531	.9798
#1	.0844	-.0028	.0051	-.0015	-.0007	.0004	-.0001	.1141	89.35
#2	.0835	-.0025	.0047	-.0002	-.0003	-.0016	.0003	.1011	88.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0086**	**18.53**	**1.893**	**14.54**	**.0448**	**.0044**	**.0001**	**4.446**	**-.0015**
Stddev	.0004	.32	.028	.24	.0002	.0000	.0002	.012	.0001
%RSD	4.637	1.741	1.474	1.662	.4560	.2082	135.4	.2640	5.693
#1	.0083	18.76	1.912	14.71	.0450	.0044	.0000	4.454	-.0015
#2	.0089	18.30	1.873	14.37	.0447	.0044	.0002	4.438	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4465**	**.0001**	**.0267**	**-.0004**	**13.79**	**-.0007**	**.0077**
Stddev	.0073	.0001	.0027	.0001	.04	.0001	.0001
%RSD	1.646	82.17	10.21	12.93	.2843	7.521	1.193
#1	.4517	.0002	.0287	-.0004	13.81	-.0007	.0077
#2	.4413	.0001	.0248	-.0005	13.76	-.0006	.0076

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	202680.	49632.	3310.2	8527.6
Stddev	946.	854.	8.1	22.5
%RSD	.46679	1.7207	.24416	.26397
#1	202010.	49028.	3304.5	8511.7
#2	203340.	50236.	3315.9	8543.5

Zoom In Zoom Out

Sample Name: jb69115-9f Acquired: 6/23/2014 15:47:20 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0001**	**-.0001**	**.0004**	**.0009**	**.0000**	**-.0003**	**-.0003**
Stddev	.0001	.000	.0001	.0001	.0000	.0001	.0000	.0001	.0001
%RSD	349.1	18.66	97.38	106.7	8.897	12.75	55.37	40.03	52.81
#1	-.0001	.0000	.0000	-.0002	.0004	.0010	.0000	-.0004	-.0004
#2	.0001	.0000	-.0001	.0000	.0004	.0008	.0001	-.0002	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**-.0036**	**.0003**	**-.0020**	**-.0015**	**-.0006**	**.0002**	**.0074**	**.0128**
Stddev	.0001	.0000	.0005	.0004	.0004	.0013	.0005	.0024	.0010
%RSD	30.73	.2382	170.5	20.38	25.32	219.7	281.5	33.03	8.110
#1	.0002	-.0036	-.0001	-.0017	-.0018	-.0015	.0005	.0091	.0135
#2	.0003	-.0036	.0006	-.0023	-.0012	.0003	-.0002	.0057	.0121

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0062**	**.0020**	**.0578**	**.0583**	**-.0017**	**.0006**	**-.0001**	**.0170**	**-.0002**
Stddev	.0011	.0041	.0103	.0033	.0000	.0001	.0001	.0000	.0001
%RSD	18.22	201.5	17.89	5.580	.5036	20.14	152.8	.2859	34.59
#1	.0054	-.0009	.0651	.0606	-.0017	.0007	-.0001	.0170	-.0002
#2	.0070	.0050	.0505	.0560	-.0017	.0005	.0000	.0170	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**.0166**	**.0003**	**-.0426**	**-.0007**	**-.0009**
Stddev	.0000	.000	.0002	.0001	.0013	.0001	.0012
%RSD	69.64	545.9	1.335	42.35	2.933	19.84	129.1
#1	.0001	-.0001	.0167	.0004	-.0435	-.0008	-.0017
#2	.0000	.0001	.0164	.0002	-.0418	-.0006	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	211840.	50403.	3415.4	8831.9
Stddev	415.	911.	4.5	10.0
%RSD	.19576	1.8065	.13030	.11275
#1	211550.	51047.	3412.2	8824.8
#2	212140.	49759.	3418.5	8838.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 15:53:31 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.073**	**2.080**	**2.089**	**2.061**	**2.021**	**2.074**	**2.106**	**.2477**
Stddev	.000	.000	.002	.001	.030	.026	.068	.001	.0035
%RSD	.0014	.0102	.0980	.0292	1.434	1.285	3.284	.0590	1.401
#1	2.042	2.073	2.078	2.089	2.082	2.039	2.122	2.105	.2501
#2	2.042	2.073	2.081	2.089	2.040	2.003	2.025	2.106	.2452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.131**	**2.060**	**2.129**	**2.083**	**2.087**	**2.067**	**40.22**	**40.93**
Stddev	.027	.002	.005	.005	.000	.004	.002	.12	.05
%RSD	1.327	.0838	.2344	.2212	.0195	.1965	.0814	.2890	.1258
#1	2.041	2.133	2.057	2.132	2.083	2.084	2.066	40.31	40.96
#2	2.003	2.130	2.064	2.125	2.083	2.090	2.068	40.14	40.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.98**	**39.75**	**39.26**	**39.52**	**2.057**	**2.073**	**2.015**	**5.033**	**2.097**
Stddev	.01	.06	.02	.01	.003	.003	.024	.005	.000
%RSD	.0190	.1617	.0447	.0206	.1640	.1322	1.189	.0998	.0178
#1	40.98	39.80	39.25	39.53	2.055	2.071	2.032	5.029	2.097
#2	40.97	39.71	39.27	39.52	2.060	2.075	1.998	5.036	2.097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 15:53:31 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.073**	**2.049**	F **1.692**	**2.040**	**2.020**	**1.987**	**1.941**
Stddev	.040	.027	.043	.026	.001	.003	.001
%RSD	1.919	1.335	2.545	1.269	.0276	.1682	.0436
#1	2.045	2.069	1.662	2.058	2.020	1.984	1.941
#2	2.101	2.030	1.723	2.021	2.020	1.989	1.942
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	197690.	49250.	3310.9	8520.4
Stddev	2694.	159.	1.2	5.8
%RSD	1.3626	.32293	.03547	.06753
#1	195790.	49137.	3311.7	8524.4
#2	199600.	49362.	3310.1	8516.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 15:59:50 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0000**	**-.0001**	**.0001**	**.0001**	**.0000**	**-.0002**
Stddev	.000	.000	.000	.0000	.0001	.0001	.000	.0001
%RSD	225.7	312.5	683.3	21.71	72.16	119.4	847.5	89.88
#1	-.0001	.0000	-.0001	-.0001	.0001	.0000	.0000	-.0001
#2	.0000	.0000	.0000	-.0001	.0000	.0002	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**-.0047**	**.0005**	**-.0010**	**-.0010**	**-.0017**	**-.0002**
Stddev	.0003	.0000	.0001	.0001	.0004	.0001	.0005	.0000
%RSD	292.8	76.63	1.385	13.17	43.78	10.99	31.81	4.776
#1	-.0003	-.0001	-.0048	.0005	-.0013	-.0011	-.0013	-.0002
#2	.0001	.0000	-.0047	.0004	-.0007	-.0009	-.0021	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**-.0011**	**.0015**	**-.0100**	**.0018**	**.0134**	**.0000**	**.0011**
Stddev	.0076	.0002	.0012	.0058	.0255	.0037	.000	.0001
%RSD	333.0	15.72	82.01	58.49	1377.	27.52	4097.	13.24
#1	-.0031	-.0013	.0006	-.0141	.0199	.0160	.0003	.0012
#2	.0076	-.0010	.0023	-.0058	-.0162	.0108	-.0003	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 15:59:50 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0008**	**-.0007**	**.0000**	**.0000**	**.0163**	**.0007**	F **-.0536**
Stddev	.0006	.0006	.0000	.0000	.000	.0016	.0000	.0001
%RSD	165.5	78.10	1.992	134.6	970.2	9.956	6.139	.2527
#1	.0008	-.0004	-.0007	.0000	-.0004	.0174	.0007	-.0536
#2	-.0001	-.0013	-.0007	.0000	.0003	.0151	.0007	-.0537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit								.0500
Low Limit								-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0003**	**-.0006**
Stddev	.0001	.0013
%RSD	48.84	196.6
#1	.0004	.0002
#2	.0002	-.0015
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**209940.**	**49536.**	**3447.8**	**8882.1**
Stddev	209.	362.	9.1	19.4
%RSD	.09940	.73122	.26288	.21816
#1	209790.	49792.	3454.2	8895.8
#2	210080.	49280.	3441.4	8868.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 16:06:01 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2052**	**.0021**	**.0032**	**.0526**	**.0106**	**.0100**	**.0159**	**.0106**
Stddev	.0005	.0000	.0000	.0003	.0002	.0001	.0001	.0001
%RSD	.2568	.9231	1.486	.5163	2.034	.5171	.6232	1.344
#1	.2049	.0021	.0032	.0528	.0105	.0099	.0158	.0107
#2	.2056	.0021	.0032	.0524	.0108	.0100	.0160	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0539**	**.0176**	**.0095**	**.0096**	**.0027**	**.0114**	**.0063**
Stddev	.0001	.0000	.0001	.0001	.0005	.0003	.0004	.0004
%RSD	3.260	.0419	.4514	1.451	5.678	12.63	3.335	6.139
#1	.0044	.0538	.0175	.0096	.0100	.0029	.0111	.0060
#2	.0046	.0539	.0176	.0094	.0092	.0024	.0116	.0066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2133**	**5.144**	**.1088**	**5.217**	**4.889**	**4.967**	**.1028**	**.0211**
Stddev	.0079	.006	.0001	.002	.010	.005	.0004	.0000
%RSD	3.708	.1137	.1110	.0422	.2136	.1087	.3565	.1657
#1	.2189	5.148	.1088	5.219	4.882	4.971	.1031	.0211
#2	.2078	5.139	.1089	5.216	4.897	4.963	.1026	.0211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 6/23/2014 16:06:01 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0480**	**.2029**	**.0099**	**.0108**	**.0106**	**.0582**	**.0105**	F **-.0042**
Stddev	.0001	.0008	.0003	.0000	.0000	.0009	.0000	.0004
%RSD	.2435	.3969	3.234	.4158	.0289	1.541	.0021	10.51
#1	.0480	.2035	.0097	.0108	.0106	.0589	.0105	-.0038
#2	.0479	.2024	.0101	.0108	.0106	.0576	.0105	-.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value								.0500
Range								-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0200**	**.0196**
Stddev	.0002	.0004
%RSD	.8991	1.848
#1	.0201	.0199
#2	.0199	.0193
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**207030.**	**49482.**	**3421.3**	**8823.2**
Stddev	203.	142.	5.3	18.5
%RSD	.09812	.28785	.15381	.20944
#1	207180.	49381.	3417.6	8810.1
#2	206890.	49582.	3425.0	8836.3

Sample Name: crid Acquired: 6/23/2014 16:12:07 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0010**	**.0011**	**.0032**	**.0023**	**.0023**	**.0033**	**.0045**
Stddev	.0000	.0000	.0001	.0001	.0000	.0000	.0000	.0000
%RSD	.6025	1.303	10.48	2.070	1.174	1.637	.2897	.6332
#1	.0042	.0010	.0012	.0033	.0023	.0023	.0033	.0044
#2	.0043	.0010	.0010	.0032	.0023	.0024	.0033	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0021**	**.0093**	**.0034**	F **.0004**	F **.0017**	**.0052**	**.0031**
Stddev	.0001	.0001	.0001	.0002	.0005	.0001	.0004	.0000
%RSD	14.94	2.739	1.577	6.748	111.3	6.091	7.496	.0356
#1	.0007	.0022	.0094	.0035	.0001	.0017	.0049	.0031
#2	.0006	.0021	.0092	.0032	.0007	.0018	.0055	.0031
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value	.0010				.0020	.0025		
Range	-30.00%				-30.00%	-30.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1050**	**1.051**	**.0025**	**.1111**	**2.028**	**1.014**	**.0089**	**.0003**
Stddev	.0034	.004	.0008	.0035	.018	.004	.0011	.0000
%RSD	3.226	.3307	31.34	3.146	.8955	.4197	11.98	8.536
#1	.1074	1.053	.0031	.1135	2.041	1.011	.0097	.0003
#2	.1026	1.048	.0020	.1086	2.015	1.017	.0082	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Sample Name: crid Acquired: 6/23/2014 16:12:07 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0023**	**-.0002**	**.0000**	**-.0003**	**.0035**	F **.0003**	F **-.0530**
Stddev	.0006	.0002	.0003	.0001	.0000	.0003	.0001	.0012
%RSD	297.9	9.529	141.2	262.8	13.66	7.872	18.16	2.188
#1	.0002	-.0024	.0000	.0000	-.0003	.0037	.0003	-.0522
#2	-.0007	-.0021	-.0005	.0001	-.0003	.0033	.0002	-.0538
Check ?	None	None	None	None	None	Chk Pass	Chk Fail	Chk Fail
Value							.0040	.0040
Range							-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0005**	F **-.0005**
Stddev	.0008	.0007
%RSD	155.7	143.7
#1	.0000	-.0009
#2	.0010	.0000
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**208390.**	**49668.**	**3432.7**	**8855.2**
Stddev	123.	347.	16.5	32.6
%RSD	.05880	.69914	.48130	.36780
#1	208480.	49423.	3421.0	8832.2
#2	208310.	49914.	3444.4	8878.2

Sample Name: sampleconf Acquired: 6/23/2014 16:18:16 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0043**	**.0010**	**.0010**	**.0033**	**.0023**	**.0019**	**.0032**	**.0045**
Stddev	.0001	.0000	.0001	.0001	.0000	.0000	.0001	.0002
%RSD	2.178	3.672	10.67	1.851	.5885	.0521	1.591	4.566
#1	.0044	.0010	.0011	.0033	.0023	.0019	.0033	.0046
#2	.0043	.0010	.0009	.0034	.0023	.0019	.0032	.0043

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0008**	**.0021**	**.0092**	**.0035**	**.0003**	**.0014**	**.0053**	**.0021**
Stddev	.0000	.0001	.0000	.0007	.0001	.0003	.0007	.0005
%RSD	2.782	6.176	.3641	19.70	19.88	24.11	12.93	26.03
#1	.0008	.0022	.0092	.0040	.0003	.0012	.0058	.0024
#2	.0008	.0020	.0091	.0030	.0004	.0017	.0049	.0017

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1098**	**1.053**	**.0031**	**.1131**	**2.028**	**1.011**	**.0087**	**.0001**
Stddev	.0012	.003	.0005	.0006	.014	.002	.0001	.0001
%RSD	1.118	.2529	16.82	.4898	.6829	.1550	.7484	161.6
#1	.1089	1.054	.0027	.1135	2.019	1.013	.0087	.0000
#2	.1107	1.051	.0034	.1127	2.038	1.010	.0088	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0001**	**-.0019**	**.0000**	**.0000**	**-.0002**	**.0021**	**.0002**	F **-.0521**
Stddev	.0004	.0007	.001	.0000	.0001	.0003	.0002	.0012
%RSD	518.1	37.46	3237.	272.6	33.76	12.16	77.22	2.279
#1	.0002	-.0014	-.0005	.0000	-.0002	.0023	.0001	-.0529
#2	-.0004	-.0024	.0005	.0000	-.0001	.0019	.0003	-.0512

Elem	Bi2230	Li6707
Avg	**-.0008**	**-.0010**
Stddev	.0008	.0001
%RSD	107.8	5.632
#1	-.0013	-.0010
#2	-.0002	-.0009

Sample Name: sampleconf Acquired: 6/23/2014 16:18:16 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**208970.**	**49530.**	**3435.6**	**8863.2**
Stddev	645.	210.	12.0	28.5
%RSD	.30879	.42300	.34883	.32125
#1	208510.	49382.	3427.2	8843.0
#2	209420.	49678.	3444.1	8883.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 16:24:27 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0000**	**.0029**	**-.0011**	**-.0004**	**-.0065**	**.0035**	**-.0025**	**.0009**
Stddev	.0000	.000	.0000	.0001	.0001	.0001	.0004	.0004	.0017
%RSD	1.391	97.87	1.318	7.695	27.75	.9971	11.47	17.38	187.1
#1	-.0003	-.0001	.0029	-.0010	-.0003	-.0066	.0038	-.0028	.0021
#2	-.0003	.0000	.0029	-.0011	-.0005	-.0065	.0033	-.0022	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0041**	**.0009**	**.0038**	**-.0020**	**-.0030**	**.0010**	**496.9**	**371.6**
Stddev	.0003	.0003	.0002	.0013	.0010	.0016	.0017	6.5	4.0
%RSD	131.7	6.630	23.41	33.50	52.18	52.31	173.0	1.300	1.089
#1	.0004	-.0039	.0011	.0047	-.0013	-.0019	-.0002	501.5	374.5
#2	.0000	-.0043	.0008	.0029	-.0027	-.0041	.0022	492.3	368.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**182.6**	**512.6**	**.0511**	**.0194**	**-.0017**	**-.0020**	**-.0044**	**.0124**	**-.0013**
Stddev	1.8	6.8	.0366	.0053	.0006	.0002	.0001	.0011	.0002
%RSD	1.012	1.328	71.53	27.17	35.28	9.708	3.030	8.821	13.90
#1	183.9	517.4	.0770	.0231	-.0021	-.0018	-.0043	.0116	-.0014
#2	181.3	507.8	.0253	.0157	-.0013	-.0021	-.0045	.0132	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 16:24:27 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0058**	**.0008**	**.0076**	**-.0011**	**-.0030**	**.0021**	**.0058**
Stddev	.0001	.0002	.0001	.0003	.0024	.0005	.0009
%RSD	1.731	21.92	.8390	26.13	78.25	23.77	16.01
#1	-.0058	.0010	.0077	-.0009	-.0014	.0024	.0052
#2	-.0057	.0007	.0076	-.0013	-.0047	.0017	.0065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**184780.**	**47949.**	**3081.8**	**7818.2**
Stddev	121.	567.	2.1	8.5
%RSD	.06546	1.1818	.06792	.10873
#1	184870.	47549.	3083.2	7824.2
#2	184700.	48350.	3080.3	7812.2

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 16:30:46 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4999**	**.5038**	**1.042**	**.4904**	**.4762**	**.5182**	**.5052**	**.9929**	**1.022**
Stddev	.0031	.0021	.002	.0000	.0017	.0006	.0020	.0000	.001
%RSD	.6242	.4102	.1574	.0029	.3644	.1140	.3998	.0010	.0976
#1	.5021	.5052	1.044	.4904	.4750	.5178	.5038	.9928	1.021
#2	.4977	.5023	1.041	.4904	.4774	.5186	.5067	.9929	1.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4893**	**.9999**	**1.098**	**.9948**	**.9650**	**1.094**	**1.052**	**496.8**	**366.0**
Stddev	.0024	.0014	.002	.0018	.0014	.004	.002	.4	.1
%RSD	.4987	.1393	.2150	.1794	.1400	.3934	.1912	.0754	.0274
#1	.4876	1.001	1.099	.9961	.9659	1.097	1.054	497.1	366.1
#2	.4910	.9989	1.096	.9936	.9640	1.090	1.051	496.5	365.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**183.6**	**511.5**	**.0463**	**.0152**	**-.0019**	**.5108**	**.5474**	**.0051**	**-.0012**
Stddev	.6	1.5	.0160	.0034	.0005	.0010	.0004	.0010	.0002
%RSD	.3201	.2834	34.49	22.05	24.36	.1869	.0750	19.66	16.24
#1	184.0	512.5	.0576	.0176	-.0015	.5115	.5471	.0044	-.0014
#2	183.2	510.5	.0350	.0128	-.0022	.5102	.5477	.0058	-.0011
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 16:30:46 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0057**	**.0013**	**.5106**	**.5805**	**.5055**	**.5499**	**.5189**
Stddev	.0001	.0001	.0003	.0013	.0006	.0007	.0009
%RSD	1.575	4.493	.0560	.2165	.1165	.1214	.1777
#1	-.0056	.0013	.5108	.5796	.5059	.5504	.5196
#2	-.0057	.0012	.5104	.5814	.5051	.5494	.5183
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**183480.**	**47983.**	**3078.2**	**7832.6**
Stddev	612.	52.	6.0	8.7
%RSD	.33373	.10905	.19635	.11133
#1	183910.	47946.	3073.9	7826.4
#2	183040.	48020.	3082.5	7838.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 16:37:05 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.058**	**2.064**	**2.064**	**2.078**	**2.056**	**2.009**	**2.074**	**2.093**	**.2463**
Stddev	.015	.028	.000	.000	.039	.033	.047	.001	.0044
%RSD	.7171	1.378	.0112	.0110	1.899	1.662	2.256	.0274	1.791
#1	2.048	2.084	2.065	2.077	2.084	2.033	2.107	2.093	.2495
#2	2.069	2.044	2.064	2.078	2.028	1.985	2.041	2.094	.2432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.110**	**2.048**	**2.107**	**2.069**	**2.062**	**2.048**	**40.39**	**41.26**
Stddev	.035	.001	.002	.004	.000	.006	.001	.23	.18
%RSD	1.753	.0435	.0790	.1981	.0081	.3063	.0406	.5678	.4481
#1	2.042	2.111	2.047	2.110	2.069	2.067	2.048	40.23	41.13
#2	1.992	2.109	2.049	2.104	2.069	2.058	2.049	40.56	41.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.28**	**40.23**	**39.51**	**39.77**	**2.042**	**2.058**	**2.005**	**4.987**	**2.078**
Stddev	.24	.14	.21	.26	.001	.003	.036	.007	.000
%RSD	.5783	.3542	.5402	.6528	.0277	.1460	1.819	.1511	.0205
#1	41.11	40.13	39.36	39.58	2.041	2.056	2.030	4.981	2.078
#2	41.44	40.33	39.66	39.95	2.042	2.060	1.979	4.992	2.079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 16:37:05 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.117**	**2.037**	**1.846**	**2.033**	**1.996**	**1.965**	**1.944**
Stddev	.022	.036	.036	.036	.001	.002	.019
%RSD	1.053	1.774	1.938	1.791	.0588	.0751	.9697
#1	2.101	2.063	1.821	2.059	1.997	1.964	1.930
#2	2.133	2.012	1.872	2.007	1.995	1.966	1.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**198840.**	**48821.**	**3335.3**	**8567.9**
Stddev	3248.	17.	.7	2.7
%RSD	1.6336	.03472	.02102	.03101
#1	196540.	48809.	3334.8	8566.0
#2	201140.	48833.	3335.8	8569.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 16:43:23 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0001**	**.0000**	**.0005**	**.0002**	**.0001**	**.0000**
Stddev	.0001	.0000	.0000	.0001	.0002	.0002	.0001	.0000
%RSD	22.47	11.76	2.528	252.6	31.05	74.78	107.4	118.5
#1	.0002	.0002	.0001	.0001	.0004	.0003	.0001	.0000
#2	.0003	.0002	.0001	.0000	.0006	.0001	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**-.0053**	**.0018**	**-.0008**	**-.0008**	**-.0015**	**-.0001**
Stddev	.0001	.0002	.0002	.0004	.0001	.0006	.0008	.0005
%RSD	452.3	72.82	4.490	22.66	13.02	68.29	51.99	476.8
#1	-.0001	.0003	-.0055	.0015	-.0007	-.0004	-.0021	-.0005
#2	.0001	.0001	-.0052	.0020	-.0009	-.0012	-.0010	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0173**	**.0148**	**.0110**	**.0171**	**.0150**	**-.0041**	**-.0004**	**.0015**
Stddev	.0048	.0013	.0005	.0080	.0231	.0019	.0003	.0002
%RSD	27.45	8.960	4.699	46.64	154.6	45.65	88.94	11.95
#1	.0207	.0157	.0106	.0115	.0313	-.0028	-.0001	.0016
#2	.0139	.0139	.0113	.0228	-.0014	-.0054	-.0006	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 16:43:23 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**-.0003**	**.0002**	**-.0001**	W **.0281**	W **.0015**	F **-.0559**
Stddev	.0001	.0007	.0002	.0000	.0001	.0037	.0000	.0006
%RSD	22.21	173.5	82.79	19.65	162.0	13.02	.1163	1.074
#1	.0005	-.0001	-.0001	.0002	.0000	.0307	.0015	-.0563
#2	.0003	.0009	-.0004	.0003	-.0002	.0255	.0015	-.0554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail
High Limit						.0266	.0011	.0500
Low Limit						-.0266	-.0011	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0007**	**-.0005**
Stddev	.0014	.0002
%RSD	192.7	39.31
#1	-.0003	-.0004
#2	.0017	-.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**210280.**	**48877.**	**3443.8**	**8898.5**
Stddev	801.	153.	4.4	10.9
%RSD	.38116	.31247	.12762	.12264
#1	209710.	48985.	3446.9	8906.2
#2	210840.	48769.	3440.7	8890.8

Zoom In Zoom Out

Sample Name: idl-1conf Acquired: 6/23/2014 16:49:35 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0000**	**.0000**	**.0000**	**.0000**	**.0002**	**.0001**	**.0000**	**-.0001**
Stddev	.0001	.000	.000	.0001	.0001	.0001	.0000	.0002
%RSD	606.6	57.65	55.07	490.8	49.57	149.3	180.8	142.0
#1	-.0001	.0000	.0000	-.0001	.0003	.0001	.0000	-.0003
#2	.0001	.0000	.0000	.0001	.0001	.0000	.0000	.0000

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0003**	**.0001**	**-.0041**	**.0007**	**-.0003**	**-.0008**	**-.0013**	**.0000**
Stddev	.0003	.0001	.0002	.0000	.0005	.0002	.0000	.000
%RSD	90.00	64.76	3.795	1.296	175.5	22.07	2.871	441.3
#1	-.0005	.0001	-.0042	.0007	-.0006	-.0007	-.0013	.0001
#2	-.0001	.0002	-.0040	.0006	.0001	-.0009	-.0014	-.0002

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0026**	**.0023**	**.0030**	**-.0112**	**.0132**	**-.0097**	**-.0008**	**.0006**
Stddev	.0011	.0012	.0004	.0066	.0067	.0007	.0002	.0001
%RSD	41.00	50.11	12.02	58.67	51.23	7.325	23.95	14.33
#1	.0034	.0015	.0027	-.0065	.0179	-.0092	-.0009	.0005
#2	.0018	.0032	.0032	-.0158	.0084	-.0102	-.0006	.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**.0055**	**-.0002**	**.0000**	**-.0002**	**.0123**	**.0006**	F **-.0538**
Stddev	.0001	.0005	.0005	.0000	.0002	.0013	.0000	.0017
%RSD	180.2	8.657	220.3	44.91	85.37	10.24	3.190	3.072
#1	.0000	.0051	.0001	.0000	-.0001	.0132	.0006	-.0550
#2	.0002	.0058	-.0005	.0000	-.0004	.0114	.0006	-.0526

Elem	Bi2230	Li6707
Avg	**.0002**	**-.0009**
Stddev	.0001	.0008
%RSD	33.51	89.76
#1	.0002	-.0014
#2	.0003	-.0003

Zoom In Zoom Out

Sample Name: idl-1conf Acquired: 6/23/2014 16:49:35 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210110.**	**49605.**	**3427.3**	**8841.7**
Stddev	312.	35.	32.6	81.3
%RSD	.14857	.07041	.95247	.91941
#1	209890.	49580.	3404.3	8784.2
#2	210330.	49630.	3450.4	8899.2

Zoom In Zoom Out

Sample Name: idl-2conf Acquired: 6/23/2014 16:55:46 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**.0000**	**.0001**	**.0001**	**.0005**	**.0003**	**.0000**	**-.0002**
Stddev	.0001	.000	.0000	.0001	.0000	.0001	.0000	.0000
%RSD	80.97	45.50	44.31	53.66	2.565	34.32	93.95	21.50
#1	.0001	.0000	.0001	.0002	.0005	.0003	.0000	-.0003
#2	.0000	-.0001	.0000	.0001	.0005	.0002	.0000	-.0002

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0003**	**.0002**	**-.0026**	**-.0002**	**-.0012**	**-.0006**	**-.0015**	**-.0006**
Stddev	.0002	.0001	.0000	.0008	.0003	.0008	.0012	.0000
%RSD	49.90	37.58	.5766	374.6	25.73	123.8	82.35	1.014
#1	-.0004	.0001	-.0026	-.0007	-.0014	-.0001	-.0023	-.0006
#2	-.0002	.0002	-.0026	.0003	-.0010	-.0012	-.0006	-.0006

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0101**	**.0140**	**.0039**	**.0039**	**.0255**	**-.0132**	**-.0010**	**.0004**
Stddev	.0101	.0008	.0001	.0024	.0160	.0076	.0001	.0001
%RSD	100.2	5.889	1.452	59.54	62.52	57.53	11.42	32.07
#1	.0172	.0146	.0038	.0056	.0368	-.0078	-.0009	.0005
#2	.0029	.0134	.0039	.0023	.0142	-.0185	-.0010	.0003

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**.0067**	**.0001**	**.0000**	**-.0001**	**.0062**	**.0004**	F **-.0539**
Stddev	.000	.0004	.0002	.0000	.0002	.0004	.0001	.0004
%RSD	2466.	5.734	128.6	23.86	346.5	6.096	19.54	.7669
#1	-.0002	.0070	.0002	.0000	.0001	.0065	.0005	-.0542
#2	.0002	.0064	.0000	.0001	-.0002	.0059	.0004	-.0536

Elem	Bi2230	Li6707
Avg	**.0005**	**-.0008**
Stddev	.0004	.0005
%RSD	66.40	66.96
#1	.0003	-.0004
#2	.0008	-.0011

Zoom In Zoom Out

Sample Name: idl-2conf Acquired: 6/23/2014 16:55:46 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**209820.**	**49679.**	**3443.7**	**8884.3**
Stddev	1208.	25.	5.0	9.2
%RSD	.57575	.05112	.14406	.10309
#1	210670.	49661.	3447.3	8890.8
#2	208960.	49697.	3440.2	8877.9

Zoom In Zoom Out

Sample Name: idl-3conf Acquired: 6/23/2014 17:01:55 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**.0000**	**-.0001**	**.0000**	**.0003**	**.0001**	**.0000**	**.0000**
Stddev	.0001	.000	.0001	.0000	.0000	.0000	.0000	.0003
%RSD	174.2	167.1	170.6	153.5	4.500	33.46	688.9	693.6
#1	.0000	.0000	.0000	.0000	.0003	.0001	.0000	-.0002
#2	.0002	.0000	-.0001	.0000	.0003	.0001	.0000	.0002

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0003**	**.0000**	**-.0038**	**.0006**	**-.0003**	**-.0003**	**.0000**	**.0002**
Stddev	.0003	.0001	.0000	.0000	.0006	.0007	.000	.0005
%RSD	84.47	484.9	1.010	.2764	192.1	229.4	1149.	255.1
#1	-.0001	.0000	-.0038	.0006	.0001	.0002	-.0001	.0006
#2	-.0005	.0001	-.0038	.0006	-.0008	-.0009	.0001	-.0002

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0095**	**.0014**	**.0007**	**-.0018**	**.0075**	**-.0078**	**-.0014**	**.0002**
Stddev	.0013	.0007	.0004	.0025	.0174	.0031	.0001	.0000
%RSD	14.11	50.08	53.47	142.6	232.4	39.65	7.994	12.63
#1	.0085	.0018	.0010	.0000	.0198	-.0100	-.0015	.0002
#2	.0104	.0009	.0004	-.0036	-.0048	-.0056	-.0013	.0003

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0001**	**.0009**	**-.0004**	**.0001**	**-.0003**	**.0040**	**.0002**	F **-.0556**
Stddev	.0003	.0001	.0000	.0000	.0002	.0005	.0001	.0004
%RSD	195.6	15.79	8.389	13.04	66.54	12.31	34.91	.6374
#1	-.0001	.0009	-.0003	.0001	-.0004	.0036	.0003	-.0559
#2	.0003	.0008	-.0004	.0001	-.0001	.0043	.0002	-.0554

Elem	Bi2230	Li6707
Avg	**.0003**	**-.0009**
Stddev	.0003	.0008
%RSD	109.2	89.77
#1	.0005	-.0015
#2	.0001	-.0003

Zoom In Zoom Out

Sample Name: idl-3conf Acquired: 6/23/2014 17:01:55 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210190.**	**49344.**	**3453.5**	**8920.4**
Stddev	680.	149.	2.5	3.8
%RSD	.32337	.30126	.07350	.04290
#1	210670.	49449.	3451.7	8923.1
#2	209710.	49239.	3455.3	8917.7

Zoom In Zoom Out

Sample Name: idl-4conf Acquired: 6/23/2014 17:08:03 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0002**	**-.0001**	**.0000**	**.0000**	**.0002**	**-.0001**	**.0000**	**-.0003**
Stddev	.0001	.0000	.0000	.000	.0003	.0002	.0000	.0000
%RSD	50.37	3.629	90.93	125.4	109.9	241.2	21.13	15.17
#1	.0001	-.0001	.0000	-.0001	.0004	-.0002	.0000	-.0003
#2	.0003	-.0001	.0000	.0000	.0001	.0000	.0000	-.0003

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0000**	**.0001**	**-.0025**	**.0001**	**-.0009**	**-.0004**	**.0005**	**.0062**
Stddev	.000	.0000	.0000	.0004	.0003	.0005	.0008	.0005
%RSD	606.0	13.25	.3512	715.1	39.89	146.0	148.8	8.832
#1	-.0003	.0002	-.0025	.0004	-.0011	-.0007	.0011	.0066
#2	.0002	.0001	-.0025	-.0003	-.0006	.0000	.0000	.0058

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0068**	**.0070**	**.0037**	**.0031**	**.0116**	**-.0088**	**-.0019**	**.0002**
Stddev	.0108	.0002	.0001	.0046	.0162	.0032	.0003	.0000
%RSD	160.1	2.280	2.158	145.8	139.2	36.74	16.19	7.327
#1	-.0009	.0071	.0038	-.0001	.0002	-.0065	-.0022	.0002
#2	.0144	.0069	.0037	.0064	.0230	-.0111	-.0017	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0004**	**.0109**	**.0000**	**.0000**	**.0004**	**.0029**	**.0002**	F **-.0533**
Stddev	.0005	.0002	.0002	.0001	.0000	.0006	.0001	.0006
%RSD	116.2	1.538	615.7	148.7	.3657	20.61	51.23	1.100
#1	-.0007	.0110	-.0001	.0001	.0004	.0024	.0003	-.0529
#2	-.0001	.0108	.0002	.0000	.0004	.0033	.0001	-.0537

Elem	Bi2230	Li6707
Avg	**.0001**	**-.0005**
Stddev	.0009	.0006
%RSD	833.0	108.9
#1	-.0005	-.0009
#2	.0008	-.0001

Zoom In Zoom Out

Sample Name: idl-4conf Acquired: 6/23/2014 17:08:03 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210680.**	**49262.**	**3445.3**	**8900.3**
Stddev	614.	14.	5.4	17.1
%RSD	.29154	.02914	.15534	.19209
#1	210240.	49272.	3441.5	8888.2
#2	211110.	49252.	3449.1	8912.3

Zoom In Zoom Out

Sample Name: idl-5conf Acquired: 6/23/2014 17:14:12 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0000**	**.0000**	**-.0002**	**.0000**	**.0002**	**.0000**	**.0000**	**-.0002**
Stddev	.0001	.000	.0000	.000	.0001	.000	.0000	.0002
%RSD	508.0	27.74	19.76	1165.	61.47	285.1	246.5	82.48
#1	.0001	-.0001	-.0002	-.0001	.0001	-.0001	.0000	-.0001
#2	-.0001	.0000	-.0002	.0001	.0003	.0000	.0000	-.0004

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**.0002**	**-.0036**	**.0002**	**-.0013**	**-.0007**	**.0008**	**-.0002**
Stddev	.0002	.0003	.0000	.0002	.0010	.0004	.0005	.0010
%RSD	173.7	181.9	.6783	90.57	72.23	54.26	65.23	440.8
#1	.0000	.0004	-.0036	.0003	-.0020	-.0010	.0012	.0005
#2	-.0003	-.0001	-.0035	.0001	-.0006	-.0005	.0004	-.0009

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0052**	**-.0004**	**.0017**	**-.0055**	**.0092**	**-.0103**	**-.0012**	**.0002**
Stddev	.0006	.0004	.0011	.0001	.0048	.0012	.0003	.0000
%RSD	11.27	89.56	64.30	2.123	51.64	11.52	24.40	13.30
#1	.0056	-.0002	.0025	-.0056	.0126	-.0111	-.0010	.0001
#2	.0048	-.0007	.0009	-.0055	.0059	-.0094	-.0015	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0004**	**.0009**	**.0002**	**.0000**	**-.0004**	**.0013**	**.0001**	F **-.0526**
Stddev	.0002	.0001	.0003	.0001	.0000	.0001	.0001	.0002
%RSD	54.76	11.05	145.8	507.4	8.068	8.234	62.33	.3705
#1	-.0005	.0010	.0000	.0000	-.0004	.0013	.0001	-.0525
#2	-.0002	.0008	.0004	.0000	-.0004	.0014	.0002	-.0528

Elem	Bi2230	Li6707
Avg	**-.0007**	**-.0007**
Stddev	.0009	.0006
%RSD	128.0	89.25
#1	-.0013	-.0003
#2	-.0001	-.0011

Zoom In Zoom Out

Sample Name: idl-5conf Acquired: 6/23/2014 17:14:12 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210470.**	**49442.**	**3447.1**	**8902.8**
Stddev	442.	168.	.8	15.8
%RSD	.21016	.33900	.02286	.17696
#1	210780.	49324.	3447.7	8913.9
#2	210150.	49561.	3446.6	8891.7

Zoom In Zoom Out

Sample Name: idl-6conf Acquired: 6/23/2014 17:20:21 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**-.0001**	**-.0002**	**-.0001**	**.0001**	**.0000**	**.0000**	**-.0003**
Stddev	.0001	.0000	.0000	.0000	.0001	.0001	.0000	.0003
%RSD	268.1	48.25	29.72	29.59	135.6	577.9	401.4	90.69
#1	.0000	-.0001	-.0001	-.0001	.0001	-.0001	.0000	-.0005
#2	.0002	.0000	-.0002	-.0001	.0000	.0001	.0000	-.0001

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**.0000**	**-.0036**	**.0004**	**-.0006**	**-.0009**	**.0003**	**-.0003**
Stddev	.0000	.0001	.0001	.0003	.0003	.0001	.0017	.0007
%RSD	29.65	214.1	2.014	75.00	41.38	11.75	510.5	205.4
#1	.0001	.0001	-.0035	.0006	-.0004	-.0010	.0016	-.0008
#2	.0000	.0000	-.0037	.0002	-.0008	-.0008	-.0009	.0001

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0058**	**.0003**	**.0011**	**-.0046**	**-.0026**	**-.0102**	**-.0017**	**.0000**
Stddev	.0026	.0001	.0004	.0037	.0028	.0006	.0001	.0000
%RSD	44.98	49.62	35.71	81.75	106.1	5.484	5.424	437.3
#1	.0077	.0002	.0014	-.0019	-.0046	-.0098	-.0017	.0000
#2	.0040	.0003	.0008	-.0072	-.0006	-.0106	-.0016	.0000

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0003**	**.0012**	**-.0003**	**.0000**	**.0000**	**.0010**	**.0001**	F **-.0538**
Stddev	.0003	.0001	.0002	.0001	.000	.0004	.0001	.0006
%RSD	115.3	10.03	69.38	879.0	1009.	40.03	78.74	1.172
#1	.0000	.0011	-.0002	.0001	.0001	.0007	.0000	-.0543
#2	-.0005	.0013	-.0005	-.0001	-.0002	.0013	.0002	-.0534

Elem	Bi2230	Li6707
Avg	**.0004**	**-.0005**
Stddev	.0003	.0010
%RSD	80.67	206.2
#1	.0002	-.0012
#2	.0006	.0002

Zoom In Zoom Out

Sample Name: idl-6conf Acquired: 6/23/2014 17:20:21 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210150.**	**49241.**	**3446.2**	**8899.8**
Stddev	1574.	131.	12.4	29.4
%RSD	.74880	.26551	.36004	.33038
#1	209030.	49148.	3437.4	8879.0
#2	211260.	49333.	3454.9	8920.6

Zoom In Zoom Out

Sample Name: idl-7conf Acquired: 6/23/2014 17:26:30 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0000**	**-.0001**	**-.0001**	**.0000**	**.0002**	**-.0001**	**.0000**	**-.0001**
Stddev	.0001	.0000	.0000	.000	.0001	.0005	.0000	.0002
%RSD	199.9	14.31	38.89	565.8	50.74	326.5	207.3	198.3
#1	.0000	-.0001	-.0001	.0000	.0002	-.0005	.0000	.0000
#2	.0001	-.0001	-.0001	-.0001	.0003	.0002	.0000	-.0003

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0000**	**.0002**	**-.0031**	**.0000**	**-.0015**	**-.0004**	**-.0006**	**.0002**
Stddev	.0002	.0000	.0001	.000	.0002	.0001	.0011	.0001
%RSD	913.4	9.697	3.026	416.7	11.23	27.72	193.3	31.50
#1	-.0001	.0002	-.0031	.0001	-.0016	-.0003	-.0013	.0002
#2	.0001	.0002	-.0032	-.0002	-.0013	-.0005	.0002	.0003

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**-.0009**	**.0005**	**.0021**	**-.0018**	**-.0061**	**-.0156**	**-.0021**	**.0001**
Stddev	.0105	.0016	.0007	.0024	.0059	.0007	.0003	.0001
%RSD	1229.	295.5	34.83	132.3	96.83	4.809	14.94	99.68
#1	.0066	.0017	.0016	-.0035	-.0103	-.0151	-.0019	.0000
#2	-.0083	-.0006	.0027	-.0001	-.0019	-.0161	-.0023	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**.0059**	**-.0001**	**.0000**	**-.0006**	**.0002**	**.0002**	F **-.0528**
Stddev	.0012	.0002	.0002	.0000	.0000	.0004	.0000	.0019
%RSD	5099.	3.671	165.6	80.15	6.496	284.8	3.067	3.665
#1	-.0009	.0060	.0000	.0000	-.0006	.0005	.0002	-.0542
#2	.0009	.0057	-.0002	.0000	-.0005	-.0002	.0002	-.0515

Elem	Bi2230	Li6707
Avg	**-.0006**	**-.0014**
Stddev	.0004	.0002
%RSD	75.87	14.95
#1	-.0009	-.0015
#2	-.0003	-.0012

Zoom In Zoom Out

Sample Name: idl-7conf Acquired: 6/23/2014 17:26:30 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210690.**	**49578.**	**3449.1**	**8911.7**
Stddev	2057.	88.	3.2	8.8
%RSD	.97620	.17807	.09168	.09922
#1	209240.	49516.	3446.8	8905.5
#2	212150.	49641.	3451.3	8918.0

Zoom In Zoom Out

Sample Name: idl-8conf Acquired: 6/23/2014 17:32:38 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0000**	**.0000**	**-.0001**	**.0001**	**.0001**	**.0001**	**.0000**	**-.0003**
Stddev	.000	.000	.0001	.0000	.0000	.0001	.000	.0001
%RSD	40.27	21.97	70.34	52.21	12.22	187.7	2190.	19.62
#1	.0000	.0000	-.0001	.0001	.0001	.0000	.0000	-.0003
#2	-.0001	.0000	-.0002	.0000	.0002	.0002	.0000	-.0004

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**.0001**	**-.0035**	**.0002**	**-.0005**	**-.0010**	**.0002**	**.0003**
Stddev	.0000	.0001	.0000	.0000	.0002	.0003	.0006	.0004
%RSD	32.31	58.09	.2473	.2651	45.75	31.65	336.3	162.1
#1	-.0001	.0001	-.0035	.0002	-.0006	-.0008	-.0002	.0006
#2	-.0001	.0002	-.0035	.0002	-.0003	-.0012	.0006	.0000

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0039**	**.0002**	**.0012**	**.0023**	**.0313**	**-.0051**	**-.0019**	**-.0001**
Stddev	.0018	.0008	.0015	.0025	.0192	.0021	.0004	.0000
%RSD	44.65	409.8	128.5	111.8	61.27	41.15	18.93	51.94
#1	.0052	.0008	.0001	.0005	.0177	-.0036	-.0016	.0000
#2	.0027	-.0004	.0023	.0041	.0449	-.0066	-.0021	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0003**	**.0018**	**.0003**	**.0000**	**-.0003**	**-.0002**	**.0001**	F **-.0531**
Stddev	.0007	.0004	.0002	.000	.0000	.0003	.0001	.0003
%RSD	279.0	21.15	87.71	116.9	1.303	167.7	135.5	.4849
#1	-.0003	.0021	.0004	.0000	-.0003	-.0004	.0001	-.0533
#2	.0008	.0015	.0001	.0000	-.0003	.0000	.0000	-.0529

Elem	Bi2230	Li6707
Avg	**-.0001**	**-.0004**
Stddev	.0006	.0002
%RSD	423.5	56.28
#1	.0003	-.0002
#2	-.0005	-.0005

Zoom In Zoom Out

Sample Name: idl-8conf Acquired: 6/23/2014 17:32:38 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**209040.**	**49458.**	**3456.9**	**8927.1**
Stddev	5.	371.	8.1	26.7
%RSD	.00230	.74940	.23540	.29889
#1	209050.	49720.	3462.7	8946.0
#2	209040.	49196.	3451.2	8908.3

Zoom In Zoom Out

Sample Name: idl-9conf Acquired: 6/23/2014 17:38:48 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**.0000**	**.0000**	**.0001**	**.0004**	**.0001**	**.0000**	**-.0004**
Stddev	.0002	.000	.000	.0002	.0002	.0001	.000	.0001
%RSD	117.8	43.00	188.7	188.5	40.35	80.67	132.9	36.44
#1	.0003	.0000	.0000	.0002	.0003	.0002	.0000	-.0003
#2	.0000	.0000	-.0001	.0000	.0006	.0001	.0000	-.0005

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**-.0001**	**-.0034**	**-.0002**	**-.0009**	**-.0005**	**-.0010**	**-.0005**
Stddev	.0002	.0000	.0000	.0005	.0002	.0008	.0007	.0006
%RSD	207.0	.8962	1.207	208.1	23.32	148.0	73.63	108.0
#1	.0001	-.0001	-.0034	.0001	-.0010	-.0011	-.0005	-.0009
#2	-.0003	-.0001	-.0034	-.0006	-.0007	.0000	-.0015	-.0001

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0063**	**-.0001**	**.0015**	**-.0031**	**.0076**	**-.0059**	**-.0020**	**.0000**
Stddev	.0046	.0011	.0014	.0007	.0160	.0015	.0002	.0001
%RSD	72.80	769.4	88.58	21.82	210.0	24.69	10.96	3759.
#1	.0095	-.0009	.0025	-.0026	.0189	-.0049	-.0018	.0001
#2	.0030	.0006	.0006	-.0036	-.0037	-.0069	-.0021	-.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0007**	**.0067**	**-.0001**	**.0000**	**-.0002**	**-.0003**	**.0001**	F **-.0543**
Stddev	.0001	.0009	.0000	.000	.0000	.0005	.0000	.0003
%RSD	9.449	13.26	15.92	734.2	19.53	177.7	62.46	.6270
#1	.0006	.0061	-.0001	.0001	-.0002	.0001	.0000	-.0540
#2	.0007	.0074	-.0001	-.0001	-.0003	-.0006	.0001	-.0545

Elem	Bi2230	Li6707
Avg	**.0000**	**-.0011**
Stddev	.000	.0005
%RSD	822.8	47.70
#1	-.0002	-.0007
#2	.0002	-.0014

Zoom In Zoom Out

Sample Name: idl-9conf Acquired: 6/23/2014 17:38:48 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210490.**	**49020.**	**3421.2**	**8846.3**
Stddev	1116.	152.	6.1	12.4
%RSD	.53002	.30921	.17853	.13977
#1	209700.	49127.	3425.6	8855.1
#2	211280.	48912.	3416.9	8837.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 17:45:00 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.051**	**2.079**	**2.070**	**2.084**	**2.035**	**1.999**	**2.032**	**2.092**	**.2438**
Stddev	.009	.028	.001	.000	.001	.003	.002	.001	.0008
%RSD	.4410	1.360	.0228	.0031	.0466	.1658	.0867	.0311	.3080
#1	2.045	2.059	2.069	2.084	2.035	2.001	2.034	2.091	.2444
#2	2.058	2.099	2.070	2.085	2.034	1.996	2.031	2.092	.2433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.110**	**2.043**	**2.106**	**2.078**	**2.049**	**2.050**	**40.31**	**41.16**
Stddev	.001	.000	.003	.003	.002	.002	.003	.16	.06
%RSD	.0674	.0139	.1502	.1188	.0728	.1180	.1393	.3955	.1384
#1	2.000	2.110	2.041	2.107	2.079	2.050	2.048	40.20	41.12
#2	1.998	2.110	2.045	2.104	2.077	2.047	2.052	40.43	41.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.20**	**40.09**	**39.39**	**39.78**	**2.039**	**2.058**	**1.993**	**4.987**	**2.089**
Stddev	.11	.05	.06	.20	.002	.002	.001	.000	.001
%RSD	.2702	.1251	.1620	.4942	.1195	.0962	.0452	.0000	.0458
#1	41.13	40.05	39.35	39.64	2.037	2.056	1.994	4.987	2.089
#2	41.28	40.12	39.44	39.92	2.041	2.059	1.993	4.987	2.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 17:45:00 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.081**	**2.019**	**1.875**	**2.015**	**1.995**	**1.960**	**1.935**
Stddev	.009	.002	.037	.000	.003	.001	.010
%RSD	.4086	.0884	1.956	.0163	.1379	.0400	.5244
#1	2.087	2.020	1.849	2.016	1.993	1.959	1.928
#2	2.075	2.018	1.901	2.015	1.997	1.960	1.942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**200730.**	**48690.**	**3337.2**	**8580.3**
Stddev	131.	74.	2.6	2.1
%RSD	.06515	.15222	.07818	.02500
#1	200640.	48638.	3339.1	8581.8
#2	200830.	48743.	3335.4	8578.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 17:51:19 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0001**	**.0001**	**.0004**	**.0002**	**.0003**	**.0000**
Stddev	.0001	.0001	.0002	.0001	.0002	.0003	.0000	.000
%RSD	27.16	14.54	151.7	180.4	45.36	130.9	13.61	272.4
#1	.0005	.0004	.0000	.0002	.0005	.0000	.0004	.0000
#2	.0004	.0003	.0003	.0000	.0003	.0005	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0004**	**-.0037**	**.0015**	**-.0008**	**-.0006**	**-.0025**	**-.0001**
Stddev	.000	.0001	.0018	.0003	.0005	.0005	.0005	.0011
%RSD	515.7	33.62	48.59	18.02	54.34	83.72	20.61	930.1
#1	-.0002	.0003	-.0024	.0017	-.0012	-.0003	-.0028	-.0009
#2	.0001	.0005	-.0050	.0013	-.0005	-.0010	-.0021	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0097**	**.0093**	**.0103**	**.0041**	**.0230**	**.0011**	**.0000**	**.0014**
Stddev	.0026	.0022	.0008	.0006	.0283	.0005	.0005	.0003
%RSD	26.92	23.96	7.888	15.85	123.1	44.78	1116.	25.39
#1	.0115	.0109	.0109	.0036	.0030	.0007	.0004	.0016
#2	.0078	.0078	.0098	.0045	.0430	.0014	-.0003	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 17:51:19 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0002**	**-.0001**	**.0004**	**.0001**	**.0264**	W **.0018**	W **-.0196**
Stddev	.0002	.0018	.0002	.0000	.0003	.0040	.0000	.0512
%RSD	21.84	1049.	150.9	7.402	500.3	15.28	1.322	260.9
#1	.0010	.0011	-.0002	.0005	.0003	.0292	.0018	.0166
#2	.0007	-.0014	.0000	.0004	-.0002	.0235	.0019	-.0558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit							.0011	.0050
Low Limit							-.0011	-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0001**	**.0001**
Stddev	.0007	.0005
%RSD	588.6	333.3
#1	.0004	.0005
#2	-.0006	-.0002
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**209850.**	**49484.**	**3441.6**	**8888.5**
Stddev	2088.	67.	26.1	59.4
%RSD	.99495	.13584	.75931	.66868
#1	211330.	49436.	3423.1	8846.5
#2	208380.	49531.	3460.1	8930.5

Zoom In Zoom Out

Sample Name: mp80218-mb1 Acquired: 6/23/2014 17:57:30 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0006**	**.0000**	**.0001**	**-.0002**	**.0003**	**.0004**	**.0001**	**-.0004**
Stddev	.0003	.000	.0000	.0001	.0002	.0001	.0000	.0001
%RSD	44.06	18.08	3.040	44.13	48.30	42.11	6.089	23.93
#1	.0008	.0000	.0001	-.0001	.0004	.0005	.0001	-.0005
#2	.0004	.0000	.0001	-.0003	.0002	.0002	.0001	-.0003

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**.0000**	**-.0021**	**.0002**	**-.0011**	**-.0008**	**-.0010**	**.0002**
Stddev	.0000	.000	.0000	.0003	.0002	.0001	.0005	.0000
%RSD	83.72	78.40	1.338	141.9	13.78	8.304	43.94	19.44
#1	-.0001	.0000	-.0021	.0000	-.0010	-.0009	-.0007	.0002
#2	.0000	.0000	-.0021	.0004	-.0012	-.0008	-.0014	.0002

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0113**	**.0225**	**.0093**	**.0087**	**.0193**	**-.0025**	**-.0005**	**.0005**
Stddev	.0029	.0003	.0002	.0041	.0231	.0012	.0006	.0000
%RSD	25.59	1.253	2.138	47.23	119.8	46.59	104.5	8.415
#1	.0134	.0223	.0091	.0116	.0030	-.0034	-.0001	.0005
#2	.0093	.0227	.0094	.0058	.0357	-.0017	-.0009	.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**.0210**	**.0004**	**.0001**	**.0002**	**.0136**	**.0008**	F **-.0525**
Stddev	.000	.0010	.0000	.0001	.0006	.0008	.0000	.0008
%RSD	278.0	4.744	4.299	62.10	270.9	6.165	4.350	1.529
#1	-.0001	.0203	.0004	.0001	.0006	.0142	.0008	-.0531
#2	.0000	.0218	.0004	.0001	-.0002	.0130	.0009	-.0519

Elem	Bi2230	Li6707
Avg	**.0000**	**-.0009**
Stddev	.0004	.0001
%RSD	1305.	14.92
#1	.0003	-.0008
#2	-.0002	-.0010

Zoom In Zoom Out

Sample Name: mp80218-mb1 Acquired: 6/23/2014 17:57:30 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211890.**	**50088.**	**3445.4**	**8918.3**
Stddev	253.	116.	7.6	8.4
%RSD	.11937	.23206	.22149	.09387
#1	211710.	50006.	3450.8	8924.2
#2	212070.	50171.	3440.1	8912.4

Zoom In Zoom Out

Sample Name: mp80218-lc1 Acquired: 6/23/2014 18:03:40 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5107**	**.5232**	**.5135**	**.5115**	**.5125**	**.4834**	**.5188**	**.5305**	**.1885**
Stddev	.0007	.0000	.0011	.0006	.0009	.0003	.0001	.0010	.0002
%RSD	.1455	.0040	.2206	.1267	.1780	.0549	.0187	.1908	.1227
#1	.5102	.5232	.5127	.5110	.5132	.4833	.5188	.5298	.1887
#2	.5113	.5232	.5143	.5120	.5119	.4836	.5187	.5312	.1883

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5066**	**.5565**	**.5127**	**.5346**	**.5164**	**.5153**	**.5000**	**4.968**	**5.652**
Stddev	.0002	.0010	.0000	.0014	.0000	.0025	.0013	.005	.006
%RSD	.0385	.1788	.0079	.2671	.0048	.4808	.2593	.1112	.1021
#1	.5067	.5558	.5127	.5336	.5164	.5136	.4991	4.964	5.656
#2	.5064	.5572	.5127	.5356	.5165	.5171	.5009	4.972	5.648

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.722**	**5.538**	**9.792**	**9.940**	**.0027**	**.5057**	**-.0010**	**.0029**	**.0008**
Stddev	.004	.036	.015	.022	.0002	.0017	.0000	.0001	.0004
%RSD	.0644	.6471	.1508	.2260	6.018	.3424	3.953	3.501	45.75
#1	5.724	5.563	9.802	9.955	.0026	.5045	-.0010	.0028	.0011
#2	5.719	5.513	9.781	9.924	.0028	.5069	-.0011	.0030	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5092**	**.0171**	**.0007**	**-.0472**	**-.0022**	**-.0014**
Stddev	.0001	.0004	.0012	.0002	.0004	.0014	.0003
%RSD	32.51	.0695	6.871	21.47	.9126	64.41	17.57
#1	-.0001	.5090	.0179	.0006	-.0469	-.0012	-.0013
#2	-.0002	.5095	.0162	.0008	-.0475	-.0032	-.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**208510.**	**49636.**	**3391.6**	**8759.2**
Stddev	167.	287.	2.7	1.8
%RSD	.08019	.57887	.07999	.02039
#1	208400.	49433.	3393.6	8757.9
#2	208630.	49840.	3389.7	8760.4

Zoom In Zoom Out

Sample Name: jb64500-55 Acquired: 6/23/2014 18:09:39 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0002**	**.0000**	**.0002**	**-.0001**	**.0006**	**.0005**	**.0002**	**.0000**
Stddev	.0000	.000	.0000	.0001	.0000	.0001	.0000	.0002
%RSD	18.71	50.61	8.409	159.7	1.839	25.84	2.246	454.9
#1	.0002	.0000	.0002	.0000	.0006	.0006	.0002	.0002
#2	.0003	.0000	.0002	-.0001	.0006	.0004	.0002	-.0001

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0000**	**.0001**	**-.0022**	**.0001**	**-.0011**	**-.0010**	**.0007**	**.0001**
Stddev	.0000	.0002	.0000	.0008	.0009	.0000	.0012	.0008
%RSD	97.62	133.9	1.046	972.6	84.46	.8732	156.9	1048.
#1	.0001	.0002	-.0023	.0006	-.0017	-.0010	-.0001	-.0005
#2	.0000	.0000	-.0022	-.0005	-.0004	-.0010	.0016	.0006

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0080**	**.0158**	**.0072**	**.0018**	**.0147**	**-.0087**	**-.0013**	**.0004**
Stddev	.0002	.0001	.0001	.0038	.0061	.0022	.0002	.0001
%RSD	2.381	.8651	.9448	217.2	41.30	25.21	16.95	25.05
#1	.0078	.0159	.0072	.0045	.0104	-.0071	-.0011	.0003
#2	.0081	.0157	.0071	-.0009	.0190	-.0102	-.0014	.0005

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**.0188**	**.0002**	**.0001**	**.0000**	**.0053**	**.0006**	F **-.0529**
Stddev	.0003	.0004	.0007	.0000	.0000	.0001	.0000	.0003
%RSD	1997.	2.393	385.2	.7912	133.9	1.766	1.896	.6270
#1	-.0002	.0184	-.0003	.0001	.0001	.0052	.0006	-.0531
#2	.0003	.0191	.0007	.0001	.0000	.0054	.0005	-.0527

Elem	Bi2230	Li6707
Avg	**-.0008**	**-.0011**
Stddev	.0006	.0008
%RSD	75.23	76.44
#1	-.0004	-.0005
#2	-.0012	-.0017

Zoom In Zoom Out

Sample Name: jb64500-55 Acquired: 6/23/2014 18:09:39 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211620.**	**49656.**	**3434.3**	**8891.9**
Stddev	1326.	306.	.4	1.7
%RSD	.62672	.61708	.01147	.01886
#1	212560.	49439.	3434.0	8893.1
#2	210680.	49872.	3434.6	8890.7

Zoom In Zoom Out

Sample Name: jb64500-56 Acquired: 6/23/2014 18:15:50 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0000**	**-.0001**	**.0001**	**-.0001**	**.0004**	**.0004**	**.0001**	**-.0004**
Stddev	.000	.0000	.0001	.0001	.0001	.0001	.0000	.0000
%RSD	141.3	12.15	237.9	88.80	30.41	27.97	81.34	9.679
#1	-.0001	.0000	.0000	.0000	.0003	.0005	.0000	-.0004
#2	.0000	-.0001	.0002	-.0001	.0004	.0004	.0001	-.0004

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**.0001**	**-.0025**	**-.0004**	**-.0015**	**-.0004**	**-.0008**	**.0002**
Stddev	.0001	.0001	.0001	.0006	.0006	.0004	.0002	.0009
%RSD	53.57	59.91	2.200	139.5	39.77	93.47	27.50	492.1
#1	-.0001	.0002	-.0025	.0000	-.0011	-.0001	-.0007	-.0005
#2	-.0001	.0001	-.0026	-.0008	-.0019	-.0006	-.0010	.0008

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0020**	**.0168**	**.0091**	**.0049**	**.0129**	**-.0099**	**-.0013**	**.0003**
Stddev	.0019	.0016	.0001	.0083	.0221	.0013	.0003	.0002
%RSD	96.32	9.542	1.274	169.8	170.7	13.53	23.10	61.76
#1	.0006	.0179	.0090	.0107	.0285	-.0090	-.0011	.0004
#2	.0033	.0157	.0092	-.0010	-.0027	-.0109	-.0015	.0002

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0002**	**.0156**	**.0002**	**.0001**	**-.0001**	**.0036**	**.0002**	F **-.0524**
Stddev	.0002	.0007	.0001	.0000	.0000	.0003	.0001	.0004
%RSD	73.42	4.745	56.71	2.370	11.31	9.752	53.45	.7638
#1	.0001	.0150	.0001	.0001	-.0001	.0033	.0001	-.0521
#2	.0003	.0161	.0002	.0001	-.0001	.0038	.0003	-.0527

Elem	Bi2230	Li6707
Avg	**-.0012**	**-.0012**
Stddev	.0005	.0005
%RSD	45.79	43.57
#1	-.0016	-.0009
#2	-.0008	-.0016

Zoom In Zoom Out

Sample Name: jb64500-56 Acquired: 6/23/2014 18:15:50 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211860.**	**49741.**	**3443.7**	**8915.6**
Stddev	242.	93.	1.9	3.1
%RSD	.11424	.18701	.05413	.03512
#1	211690.	49807.	3445.0	8917.8
#2	212030.	49676.	3442.4	8913.4

Zoom In Zoom Out

Sample Name: jb64500-57 Acquired: 6/23/2014 18:22:01 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**.0000**	**-.0001**	**.0004**	**.0000**	**.0001**	**-.0003**	**.0000**
Stddev	.0000	.0000	.000	.0001	.0002	.0004	.0000	.0001	.0003
%RSD	35.25	8.613	405.7	75.27	46.27	1248.	.0962	31.79	892.0
#1	.0001	-.0001	-.0001	-.0002	.0006	.0003	.0001	-.0004	-.0002
#2	.0001	-.0001	.0001	.0000	.0003	-.0003	.0001	-.0003	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0021**	**-.0003**	**-.0007**	**-.0014**	**-.0009**	**.0005**	**.0080**	**.0191**
Stddev	.0002	.0000	.0002	.0003	.0001	.0004	.0007	.0027	.0009
%RSD	290.8	1.339	56.78	43.09	6.439	46.44	143.0	33.88	4.757
#1	-.0001	-.0021	-.0005	-.0009	-.0015	-.0006	.0010	.0061	.0198
#2	.0002	-.0020	-.0002	-.0005	-.0014	-.0012	.0000	.0099	.0185

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0065**	**-.0014**	**.0054**	**-.0076**	**-.0015**	**.0002**	**.0001**	**.0178**	**.0002**
Stddev	.0001	.0057	.0224	.0024	.0000	.0001	.0000	.0000	.0001
%RSD	.8097	404.5	418.2	31.77	1.049	33.57	31.28	.2285	39.00
#1	.0065	-.0054	-.0105	-.0093	-.0014	.0003	.0001	.0178	.0002
#2	.0064	.0026	.0212	-.0059	-.0015	.0002	.0001	.0177	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0020**	**.0002**	**-.0470**	**-.0005**	**-.0016**
Stddev	.0000	.0001	.0002	.0000	.0007	.0010	.0006
%RSD	37.98	72.15	7.772	18.48	1.458	198.9	36.86
#1	.0001	-.0001	.0021	.0002	-.0465	.0002	-.0020
#2	.0000	-.0002	.0019	.0003	-.0475	-.0012	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211390.**	**49647.**	**3435.2**	**8891.8**
Stddev	50.	175.	2.3	2.6
%RSD	.02365	.35308	.06588	.02920
#1	211350.	49523.	3433.6	8889.9
#2	211420.	49771.	3436.8	8893.6

Zoom In Zoom Out

Sample Name: jb69716-13 Acquired: 6/23/2014 18:28:12 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0000**	**.0000**	**-.0001**	**.0007**	**.0005**	**.0004**	**-.0003**	**.0000**
Stddev	.0001	.000	.000	.0002	.0000	.0000	.0000	.0002	.000
%RSD	20.99	4.959	119.5	180.4	.3532	.0666	3.958	62.42	1637.
#1	.0003	-.0001	.0000	-.0003	.0007	.0005	.0004	-.0001	.0003
#2	.0002	.0000	.0000	.0000	.0007	.0005	.0004	-.0004	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0009**	**-.0003**	**-.0010**	**-.0005**	**-.0001**	**.0003**	**.0148**	**.0839**
Stddev	.0001	.0001	.0002	.0001	.0003	.0008	.0000	.0015	.0023
%RSD	73.58	16.09	90.37	8.726	62.96	833.2	4.324	9.950	2.693
#1	.0003	-.0008	-.0001	-.0010	-.0007	-.0006	.0003	.0138	.0855
#2	.0001	-.0010	-.0005	-.0011	-.0003	.0004	.0003	.0158	.0823

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0137**	**.0416**	**.0179**	**.2835**	**-.0002**	**.0003**	**.0000**	**.0882**	**.0013**
Stddev	.0006	.0063	.0101	.0015	.0000	.0001	.001	.0040	.0000
%RSD	4.367	15.19	56.53	.5301	5.243	23.20	2146.	4.485	1.408
#1	.0133	.0461	.0107	.2846	-.0002	.0003	-.0007	.0910	.0013
#2	.0142	.0372	.0250	.2825	-.0002	.0002	.0007	.0854	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**.0013**	**.0001**	**-.0463**	**-.0003**	**-.0013**
Stddev	.0000	.0002	.0010	.0001	.0004	.0012	.0007
%RSD	4.154	86.06	71.18	70.31	.8321	401.8	55.70
#1	.0002	.0001	.0007	.0001	-.0460	.0005	-.0008
#2	.0002	.0004	.0020	.0001	-.0466	-.0011	-.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**208170.**	**49424.**	**3432.6**	**8875.8**
Stddev	2793.	170.	16.3	38.3
%RSD	1.3416	.34445	.47498	.43199
#1	206190.	49304.	3421.1	8848.7
#2	210140.	49545.	3444.2	8902.9

Zoom In Zoom Out

Sample Name: jb69763-15 Acquired: 6/23/2014 18:34:20 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0012**	**-.0001**	**.0002**	**.0000**	**.0005**	**.0005**	**.0002**	**-.0003**	**-.0004**
Stddev	.0000	.0000	.0000	.0002	.0002	.0000	.0000	.0001	.0000
%RSD	1.497	40.31	18.67	2087.	34.16	2.286	18.80	25.20	5.617
#1	.0012	.0000	.0002	-.0001	.0004	.0005	.0002	-.0003	-.0005
#2	.0012	-.0001	.0002	.0001	.0006	.0005	.0002	-.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0022**	**-.0005**	**-.0019**	**-.0004**	**.0002**	**-.0002**	**.0074**	**.0756**
Stddev	.0001	.0001	.0001	.0005	.0000	.0008	.0000	.0009	.0011
%RSD	92.37	4.129	11.77	26.62	5.808	373.8	13.43	11.62	1.502
#1	.0000	.0022	-.0005	-.0016	-.0004	-.0004	-.0002	.0080	.0764
#2	.0001	.0023	-.0006	-.0023	-.0005	.0008	-.0003	.0068	.0748

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0060**	**.0081**	**.2520**	**.2751**	**.0003**	**.0000**	**-.0006**	**.0113**	**.0005**
Stddev	.0022	.0024	.0015	.0024	.0000	.000	.0004	.0003	.0005
%RSD	36.72	30.16	.5994	.8715	12.06	2760.	59.55	2.847	99.19
#1	.0044	.0098	.2531	.2734	.0003	.0001	-.0003	.0116	.0001
#2	.0075	.0064	.2510	.2768	.0003	-.0001	-.0008	.0111	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0001**	**.0001**	**.0001**	**-.0370**	**-.0012**	**-.0012**
Stddev	.0000	.0004	.0001	.0001	.0005	.0003	.0005
%RSD	16.97	441.5	65.24	66.98	1.363	24.07	39.66
#1	.0002	.0003	.0000	.0001	-.0374	-.0014	-.0009
#2	.0002	-.0002	.0001	.0000	-.0367	-.0010	-.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210220.**	**49649.**	**3427.0**	**8851.3**
Stddev	1548.	336.	3.0	9.7
%RSD	.73650	.67729	.08618	.10910
#1	211320.	49887.	3424.9	8844.4
#2	209130.	49411.	3429.1	8858.1

Zoom In Zoom Out

Sample Name: jb69912-2 Acquired: 6/23/2014 18:40:29 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0008**	**.0000**	**.0000**	**.0000**	**.0006**	**.0002**	**.0006**	**-.0002**
Stddev	.0000	.000	.0001	.0002	.0001	.0001	.0000	.0003
%RSD	1.530	51.76	279.6	532.9	22.83	64.15	1.290	169.3
#1	.0008	-.0001	.0000	.0002	.0007	.0003	.0006	-.0004
#2	.0008	.0000	.0001	-.0001	.0005	.0001	.0006	.0000

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0000**	**.0000**	**-.0011**	**-.0003**	**-.0012**	**-.0010**	**.0003**	**.0000**
Stddev	.001	.000	.0000	.0008	.0003	.0003	.0003	.0004
%RSD	5816.	871.3	2.223	274.0	20.80	28.77	85.36	3281.
#1	-.0003	.0000	-.0012	-.0009	-.0014	-.0012	.0001	-.0002
#2	.0003	.0000	-.0011	.0003	-.0010	-.0008	.0005	.0003

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0137**	**.1075**	**.0075**	**.0285**	**.0198**	**.2644**	**.0000**	**.0001**
Stddev	.0033	.0008	.0001	.0001	.0014	.0000	.001	.0000
%RSD	23.95	.7734	1.706	.3644	7.116	.0093	2896.	6.706
#1	.0161	.1081	.0076	.0284	.0208	.2644	-.0003	.0001
#2	.0114	.1069	.0074	.0286	.0188	.2643	.0003	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0003**	**.3736**	**.0005**	**.0002**	**.0000**	**.0000**	**.0000**	F **-.0514**
Stddev	.0005	.0054	.0005	.0000	.0001	.001	.0001	.0011
%RSD	172.1	1.453	109.0	14.65	896.5	3974.	899.4	2.214
#1	.0007	.3697	.0001	.0002	.0001	.0005	-.0001	-.0506
#2	-.0001	.3774	.0008	.0002	-.0001	-.0006	.0001	-.0522

Elem	Bi2230	Li6707
Avg	**-.0004**	**-.0011**
Stddev	.0002	.0009
%RSD	48.65	81.61
#1	-.0006	-.0005
#2	-.0003	-.0017

Zoom In Zoom Out

Sample Name: jb69912-2 Acquired: 6/23/2014 18:40:29 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210830.**	**49792.**	**3433.1**	**8881.0**
Stddev	513.	454.	25.1	61.7
%RSD	.24343	.91222	.73207	.69439
#1	210470.	49471.	3450.9	8924.6
#2	211200.	50113.	3415.3	8837.4

Zoom In Zoom Out

Sample Name: jb69926-11 Acquired: 6/23/2014 18:46:36 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**-.0001**	**.0001**	**.0000**	**.0006**	**.0003**	**.0001**	**-.0004**
Stddev	.0001	.0000	.0001	.000	.0001	.0002	.0000	.0001
%RSD	81.32	8.872	99.86	458.3	17.39	57.36	2.245	18.54
#1	.0001	.0000	.0000	-.0001	.0006	.0004	.0001	-.0004
#2	.0000	-.0001	.0001	.0000	.0007	.0002	.0001	-.0003

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0003**	**.0002**	**-.0011**	**-.0003**	**-.0008**	**-.0013**	**.0002**	**.0001**
Stddev	.0001	.0002	.0002	.0005	.0001	.0006	.0001	.0002
%RSD	18.64	115.8	14.51	158.8	10.58	51.56	23.43	169.9
#1	-.0003	.0003	-.0012	.0000	-.0009	-.0008	.0002	.0003
#2	-.0003	.0000	-.0010	-.0007	-.0008	-.0017	.0003	.0000

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0061**	**.0322**	**.0096**	**.0173**	**.0179**	**.0770**	**-.0015**	**.0001**
Stddev	.0047	.0021	.0003	.0031	.0114	.0010	.0002	.0001
%RSD	77.08	6.553	2.631	17.72	63.88	1.328	12.88	120.7
#1	.0028	.0336	.0097	.0195	.0098	.0777	-.0016	.0000
#2	.0094	.0307	.0094	.0152	.0260	.0763	-.0014	.0001

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0003**	**.0269**	**.0004**	**.0001**	**.0001**	**-.0008**	**.0002**	F **-.0510**
Stddev	.0008	.0010	.0001	.0000	.0001	.0003	.0001	.0013
%RSD	234.3	3.641	17.76	.8321	47.29	34.51	75.32	2.634
#1	-.0009	.0262	.0004	.0001	.0002	-.0006	.0001	-.0501
#2	.0002	.0276	.0005	.0001	.0001	-.0010	.0003	-.0520

Elem	Bi2230	Li6707
Avg	**-.0010**	**-.0012**
Stddev	.0004	.0006
%RSD	35.04	49.48
#1	-.0013	-.0016
#2	-.0008	-.0008

Zoom In Zoom Out

Sample Name: jb69926-11 Acquired: 6/23/2014 18:46:36 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210890.**	**49715.**	**3425.8**	**8855.2**
Stddev	165.	83.	5.8	9.7
%RSD	.07846	.16638	.16837	.10978
#1	211010.	49774.	3429.9	8862.1
#2	210780.	49657.	3421.7	8848.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 18:52:47 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.058**	**2.078**	**2.085**	**2.034**	**2.003**	**2.049**	**2.089**	**.2439**
Stddev	.001	.005	.001	.002	.001	.003	.005	.002	.0009
%RSD	.0420	.2637	.0420	.0761	.0632	.1386	.2602	.1120	.3853
#1	2.035	2.062	2.079	2.086	2.035	2.001	2.053	2.091	.2432
#2	2.034	2.055	2.078	2.084	2.034	2.005	2.045	2.088	.2445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.112**	**2.049**	**2.098**	**2.075**	**2.052**	**2.057**	**40.39**	**40.97**
Stddev	.001	.008	.002	.005	.002	.004	.000	.03	.13
%RSD	.0263	.3600	.0909	.2284	.0710	.2114	.0074	.0782	.3135
#1	1.996	2.118	2.050	2.102	2.076	2.055	2.057	40.37	40.88
#2	1.997	2.107	2.047	2.095	2.074	2.049	2.057	40.42	41.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.01**	**39.65**	**38.96**	**39.40**	**2.043**	**2.057**	**1.995**	**5.013**	**2.092**
Stddev	.08	.21	.12	.03	.002	.000	.001	.003	.003
%RSD	.1859	.5366	.2962	.0753	.1159	.0168	.0276	.0584	.1536
#1	40.96	39.50	38.88	39.38	2.044	2.057	1.995	5.015	2.094
#2	41.06	39.80	39.04	39.42	2.041	2.056	1.995	5.011	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 18:52:47 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.062**	**2.030**	**1.892**	**2.014**	**2.004**	**1.959**	**1.914**
Stddev	.037	.000	.034	.003	.004	.002	.003
%RSD	1.817	.0159	1.777	.1316	.2204	.0852	.1296
#1	2.036	2.030	1.868	2.013	2.007	1.960	1.916
#2	2.089	2.030	1.915	2.016	2.001	1.958	1.912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**200480.**	**49087.**	**3330.8**	**8577.0**
Stddev	19.	383.	1.2	2.8
%RSD	.00956	.78121	.03700	.03231
#1	200500.	49358.	3329.9	8575.0
#2	200470.	48816.	3331.7	8578.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 18:59:06 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0002**	**.0003**	**.0004**	**.0000**	**.0001**	**.0000**
Stddev	.0002	.0000	.0001	.0000	.0001	.000	.0000	.000
%RSD	147.7	183.5	27.31	12.02	34.41	95.84	14.32	151.1
#1	.0000	.0000	.0002	.0003	.0003	-.0001	.0001	.0000
#2	.0002	.0000	.0003	.0003	.0004	.0000	.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0001**	**-.0048**	**.0017**	**-.0011**	**-.0009**	**-.0007**	**.0006**
Stddev	.0003	.0001	.0003	.0005	.0008	.0002	.0003	.0003
%RSD	105.9	107.4	5.682	32.90	69.69	26.63	35.41	46.08
#1	-.0001	.0000	-.0050	.0013	-.0006	-.0007	-.0009	.0004
#2	-.0005	.0002	-.0046	.0021	-.0017	-.0010	-.0005	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0061**	**-.0008**	**.0012**	**-.0045**	**.0214**	**-.0113**	**.0004**	**.0015**
Stddev	.0010	.0001	.0003	.0009	.0036	.0016	.0005	.0000
%RSD	15.87	8.267	25.66	19.69	16.93	14.26	104.6	2.227
#1	.0068	-.0008	.0010	-.0051	.0239	-.0124	.0001	.0015
#2	.0054	-.0009	.0014	-.0039	.0188	-.0102	.0008	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 18:59:06 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0006**	**-.0002**	**.0001**	**.0000**	**.0245**	W **.0012**	F **-.0560**
Stddev	.0001	.0004	.0001	.0000	.000	.0042	.0000	.0005
%RSD	19.14	75.53	60.59	15.66	696.4	17.16	3.874	.9479
#1	-.0003	.0009	-.0001	.0001	.0001	.0275	.0013	-.0564
#2	-.0003	.0003	-.0002	.0001	-.0002	.0216	.0012	-.0556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail
High Limit							.0011	.0500
Low Limit							-.0011	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0001**	**-.0006**
Stddev	.0001	.0001
%RSD	73.78	13.83
#1	-.0001	-.0007
#2	-.0002	-.0006
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**211190.**	**49466.**	**3463.1**	**8938.3**
Stddev	9.	49.	.1	4.6
%RSD	.00440	.09971	.00419	.05127
#1	211200.	49431.	3463.2	8935.0
#2	211180.	49501.	3463.0	8941.5

Zoom In Zoom Out

Sample Name: jb69974-6 Acquired: 6/23/2014 19:05:15 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**-.0001**	**.0000**	**.0000**	**.0005**	**.0000**	**.0011**	**-.0001**	**-.0002**
Stddev	.0000	.0000	.0001	.000	.0001	.000	.0000	.0000	.0000
%RSD	1.433	25.53	528.9	553.6	23.96	83.43	1.695	12.68	11.14
#1	.0010	-.0001	.0001	.0000	.0004	-.0001	.0010	-.0002	-.0002
#2	.0010	-.0001	.0000	.0000	.0006	.0000	.0011	-.0001	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**-.0019**	**.0005**	**-.0013**	**-.0005**	**-.0013**	**.0005**	**.0286**	**.1080**
Stddev	.0000	.0001	.0010	.0005	.0000	.0009	.0003	.0043	.0010
%RSD	.0193	7.491	194.1	40.52	8.243	66.83	65.08	15.00	.8992
#1	.0004	-.0018	.0012	-.0017	-.0005	-.0007	.0003	.0316	.1086
#2	.0004	-.0020	-.0002	-.0009	-.0006	-.0019	.0007	.0256	.1073

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0551**	**.0273**	**.0432**	**.0598**	**.0089**	**.0006**	**.0002**	**.0619**	**.0004**
Stddev	.0022	.0053	.0005	.0008	.0002	.0002	.0004	.0000	.0001
%RSD	3.992	19.31	1.062	1.375	1.810	30.45	184.1	.0342	14.93
#1	.0567	.0236	.0436	.0592	.0088	.0007	-.0001	.0619	.0004
#2	.0536	.0311	.0429	.0604	.0090	.0004	.0005	.0620	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0007**	**.0132**	**.0008**	**-.0151**	**-.0008**	**-.0005**
Stddev	.0001	.0003	.0005	.0001	.0002	.0003	.0004
%RSD	22.62	37.46	3.923	7.081	1.119	45.07	71.10
#1	.0004	.0005	.0135	.0008	-.0152	-.0010	-.0003
#2	.0003	.0009	.0128	.0008	-.0149	-.0005	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**212760.**	**48382.**	**3428.7**	**8866.2**
Stddev	639.	1614.	5.8	18.3
%RSD	.30044	3.3352	.16902	.20673
#1	213210.	47241.	3424.6	8853.3
#2	212310.	49523.	3432.7	8879.2

Zoom In Zoom Out

Sample Name: jb69446-3 Acquired: 6/23/2014 19:11:24 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0000**	**-.0001**	**.0000**	**.0000**	**.0005**	**.0000**	**.0001**	**-.0001**
Stddev	.0000	.0000	.0001	.0001	.0001	.0000	.0000	.0001
%RSD	94.03	11.49	224.9	677.7	32.98	61.33	52.07	132.9
#1	.0000	-.0001	.0000	.0001	.0003	.0000	.0001	-.0002
#2	.0000	-.0001	.0001	-.0001	.0006	.0001	.0000	.0000

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0003**	**.0000**	**-.0027**	**-.0002**	**-.0017**	**-.0011**	**-.0003**	**.0001**
Stddev	.0001	.0000	.0000	.0002	.0003	.0002	.0016	.0006
%RSD	34.85	64.78	1.409	125.9	18.17	14.39	569.3	564.4
#1	-.0004	.0000	-.0027	.0000	-.0015	-.0010	-.0014	.0006
#2	-.0002	.0001	-.0028	-.0003	-.0019	-.0013	.0009	-.0003

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0073**	**.0122**	**.0067**	**.0013**	**.0220**	**-.0033**	**-.0012**	**.0005**
Stddev	.0011	.0002	.0000	.0017	.0031	.0019	.0003	.0001
%RSD	14.72	1.694	.4126	127.9	14.07	57.52	27.88	15.36
#1	.0080	.0124	.0067	.0025	.0241	-.0046	-.0010	.0006
#2	.0065	.0121	.0067	.0001	.0198	-.0019	-.0015	.0004

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0001**	**.0157**	**.0003**	**.0001**	**-.0001**	**.0068**	**.0004**	F **-.0532**
Stddev	.0008	.0007	.0001	.0000	.0000	.0005	.0001	.0003
%RSD	788.6	4.516	19.74	71.01	33.30	6.622	12.59	.5768
#1	.0005	.0152	.0003	.0000	-.0001	.0065	.0005	-.0535
#2	-.0007	.0162	.0004	.0001	-.0001	.0072	.0004	-.0530

Elem	Bi2230	Li6707
Avg	**-.0012**	**-.0013**
Stddev	.0002	.0004
%RSD	13.38	32.27
#1	-.0013	-.0010
#2	-.0011	-.0016

Zoom In Zoom Out

Sample Name: jb69446-3 Acquired: 6/23/2014 19:11:24 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211770.**	**49573.**	**3424.0**	**8863.4**
Stddev	480.	201.	21.6	55.5
%RSD	.22685	.40581	.62973	.62639
#1	211430.	49715.	3439.3	8902.7
#2	212110.	49430.	3408.8	8824.2

Zoom In Zoom Out

Sample Name: jb69764-4a Acquired: 6/23/2014 19:17:34 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0001**	**-.0001**	**.0004**	**.0004**	**.0002**	**-.0002**	**-.0001**
Stddev	.0001	.000	.0000	.0001	.0003	.0002	.0000	.0002	.0002
%RSD	26.41	14.15	15.63	84.08	68.12	57.18	9.138	128.0	171.0
#1	.0003	.0000	.0001	-.0001	.0006	.0005	.0002	-.0003	-.0002
#2	.0002	-.0001	.0000	.0000	.0002	.0002	.0002	.0000	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0018**	**-.0006**	**-.0011**	**-.0011**	**-.0010**	**.0010**	**.0058**	**.0527**
Stddev	.0000	.0000	.0003	.0002	.0011	.0005	.0002	.0002	.0012
%RSD	44.26	.7144	45.43	20.75	96.46	48.92	15.73	2.978	2.280
#1	.0000	-.0018	-.0004	-.0012	-.0018	-.0014	.0012	.0057	.0518
#2	.0001	-.0019	-.0008	-.0009	-.0003	-.0007	.0009	.0060	.0535

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0141**	**.0042**	**.0089**	**-.0063**	**-.0008**	**.0004**	**.0006**	**.0200**	**.0004**
Stddev	.0002	.0049	.0160	.0085	.0005	.0001	.0001	.0018	.0000
%RSD	1.154	116.0	179.1	134.8	62.27	23.97	13.74	9.037	1.097
#1	.0140	.0008	-.0024	-.0123	-.0012	.0004	.0006	.0187	.0004
#2	.0143	.0077	.0203	-.0003	-.0005	.0003	.0005	.0212	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0003**	**.0040**	**.0005**	**-.0475**	**-.0012**	**-.0012**
Stddev	.0000	.0001	.0008	.0000	.0007	.0001	.0006
%RSD	29.73	21.03	18.90	5.483	1.520	10.57	46.35
#1	.0002	.0003	.0045	.0005	-.0480	-.0011	-.0016
#2	.0001	.0002	.0034	.0005	-.0470	-.0013	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211100.**	**49397.**	**3430.6**	**8876.2**
Stddev	109.	210.	3.4	3.5
%RSD	.05145	.42485	.09851	.03890
#1	211020.	49546.	3432.9	8878.7
#2	211180.	49249.	3428.2	8873.8

Zoom In Zoom Out

Sample Name: mp80219-mb1 Acquired: 6/23/2014 19:23:44 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0001**	**.0000**	**-.0001**	**-.0001**	**.0003**	**.0004**	**.0001**	**-.0003**
Stddev	.0001	.000	.0001	.0001	.0001	.0001	.0000	.0003
%RSD	56.91	14.06	189.6	74.16	31.46	13.61	24.27	100.6
#1	.0001	-.0001	.0000	-.0002	.0004	.0004	.0001	-.0005
#2	.0001	.0000	-.0002	-.0001	.0002	.0004	.0001	-.0001

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0001**	**.0001**	**-.0017**	**-.0009**	**-.0010**	**-.0001**	**-.0003**	**.0007**
Stddev	.0001	.0003	.0000	.0001	.0001	.0003	.0002	.0014
%RSD	96.73	235.6	.2045	16.18	14.54	289.5	74.64	209.4
#1	.0000	-.0001	-.0017	-.0010	-.0009	-.0004	-.0005	.0016
#2	-.0002	.0003	-.0017	-.0008	-.0011	.0001	-.0002	-.0003

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0055**	**.0164**	**.0072**	**.0054**	**.0143**	**-.0015**	**-.0013**	**.0004**
Stddev	.0028	.0025	.0002	.0029	.0192	.0030	.0002	.0002
%RSD	51.78	15.12	2.834	53.57	134.6	206.1	16.84	45.10
#1	.0035	.0182	.0074	.0075	.0007	.0007	-.0011	.0002
#2	.0075	.0146	.0071	.0034	.0279	-.0036	-.0014	.0005

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0000**	**.0203**	**.0002**	**.0001**	**.0005**	**.0024**	**.0002**	F **-.0515**
Stddev	.000	.0002	.0002	.0000	.0004	.0002	.0000	.0009
%RSD	576.2	1.226	86.77	22.11	70.54	10.40	11.91	1.701
#1	-.0002	.0204	.0003	.0001	.0003	.0025	.0003	-.0509
#2	.0001	.0201	.0001	.0001	.0008	.0022	.0002	-.0521

Elem	Bi2230	Li6707
Avg	**-.0008**	**-.0013**
Stddev	.0005	.0001
%RSD	68.22	6.627
#1	-.0011	-.0014
#2	-.0004	-.0013

Zoom In Zoom Out

Sample Name: mp80219-mb1 Acquired: 6/23/2014 19:23:44 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**211770.**	**49815.**	**3437.9**	**8890.9**
Stddev	617.	105.	6.3	21.4
%RSD	.29150	.21065	.18411	.24066
#1	212210.	49741.	3433.4	8875.7
#2	211330.	49890.	3442.3	8906.0

Zoom In Zoom Out

Sample Name: mp80219-lc1 Acquired: 6/23/2014 19:29:53 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5029**	**.5168**	**.5066**	**.5044**	**.5092**	**.4762**	**.5139**	**.5246**	**.1865**
Stddev	.0002	.0001	.0014	.0013	.0003	.0011	.0004	.0016	.0004
%RSD	.0333	.0133	.2780	.2606	.0550	.2386	.0711	.3129	.1892
#1	.5030	.5168	.5056	.5035	.5094	.4754	.5136	.5235	.1862
#2	.5028	.5167	.5076	.5053	.5090	.4770	.5141	.5258	.1867

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5023**	**.5516**	**.5058**	**.5298**	**.5115**	**.5079**	**.4929**	**4.899**	**5.575**
Stddev	.0017	.0018	.0025	.0034	.0024	.0025	.0016	.010	.006
%RSD	.3290	.3291	.4971	.6485	.4609	.4883	.3261	.2063	.1030
#1	.5011	.5503	.5041	.5273	.5098	.5062	.4917	4.891	5.571
#2	.5035	.5529	.5076	.5322	.5132	.5097	.4940	4.906	5.579

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.652**	**5.470**	**9.667**	**9.833**	**.0025**	**.4998**	**-.0011**	**.0012**	**.0007**
Stddev	.014	.022	.031	.007	.0003	.0021	.0004	.0009	.0001
%RSD	.2506	.4064	.3170	.0688	12.62	.4156	39.78	80.76	9.819
#1	5.642	5.454	9.646	9.837	.0027	.4983	-.0014	.0005	.0008
#2	5.662	5.486	9.689	9.828	.0023	.5013	-.0008	.0018	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0002**	**.5034**	**.0082**	**.0003**	**-.0487**	**-.0021**	**-.0005**
Stddev	.0000	.0007	.0005	.0000	.0000	.0001	.0002
%RSD	1.072	.1358	6.333	9.147	.0679	5.775	45.55
#1	-.0002	.5029	.0086	.0003	-.0487	-.0022	-.0003
#2	-.0002	.5038	.0079	.0003	-.0487	-.0020	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**207690.**	**49604.**	**3383.1**	**8736.5**
Stddev	125.	139.	6.7	16.6
%RSD	.06015	.28056	.19746	.18954
#1	207780.	49703.	3387.8	8748.3
#2	207610.	49506.	3378.4	8724.8

Zoom In Zoom Out

Sample Name: mp80219-s1 Acquired: 6/23/2014 19:35:54 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.889**	**.0491**	**.0504**	**.4770**	**.1929**	**.2615**	**.5798**	**.5016**	**.0444**
Stddev	.001	.0000	.0003	.0020	.0002	.0019	.0013	.0015	.0001
%RSD	.0418	.0518	.5169	.4140	.0867	.7125	.2170	.2996	.1249
#1	1.888	.0491	.0502	.4756	.1930	.2629	.5807	.5005	.0444
#2	1.889	.0491	.0506	.4784	.1927	.2602	.5789	.5026	.0445

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4708**	**.5538**	**1.985**	**2.003**	**.4973**	**1.976**	**.4803**	**1.924**	**26.22**
Stddev	.0003	.0026	.006	.004	.0014	.005	.0021	.003	.07
%RSD	.0705	.4748	.3266	.2191	.2825	.2467	.4378	.1283	.2605
#1	.4710	.5520	1.980	1.999	.4963	1.972	.4788	1.922	26.17
#2	.4705	.5557	1.989	2.006	.4983	1.979	.4818	1.926	26.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.450**	**24.13**	**24.55**	**33.14**	**.0447**	**.0023**	**-.0015**	**1.143**	**.1293**
Stddev	.009	.14	.06	.10	.0004	.0001	.0005	.003	.0003
%RSD	.1186	.5783	.2567	.2935	.9825	5.553	32.34	.2707	.2242
#1	7.444	24.03	24.51	33.07	.0444	.0022	-.0012	1.141	.1291
#2	7.456	24.23	24.59	33.20	.0450	.0023	-.0019	1.145	.1296

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0204**	**.0045**	**.0058**	**-.0012**	**1.067**	**-.0023**	**.0013**
Stddev	.0001	.0000	.0001	.0001	.002	.0005	.0002
%RSD	.3171	.1315	2.312	8.221	.2250	20.24	18.67
#1	.0204	.0045	.0057	-.0012	1.065	-.0026	.0015
#2	.0205	.0045	.0059	-.0011	1.069	-.0019	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**204440.**	**49300.**	**3353.0**	**8626.7**
Stddev	263.	211.	9.0	27.9
%RSD	.12873	.42762	.26817	.32393
#1	204250.	49449.	3359.3	8646.5
#2	204620.	49151.	3346.6	8607.0

Zoom In Zoom Out

Sample Name: mp80219-s2 Acquired: 6/23/2014 19:41:54 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.870**	**.0486**	**.0502**	**.4702**	**.1962**	**.2675**	**.5912**	**.4960**	**.0443**
Stddev	.003	.0000	.0000	.0001	.0020	.0019	.0068	.0011	.0002
%RSD	.1607	.0587	.0255	.0112	1.014	.7256	1.144	.2144	.3625
#1	1.873	.0486	.0501	.4703	.1947	.2661	.5864	.4953	.0441
#2	1.868	.0486	.0502	.4702	.1976	.2688	.5960	.4968	.0444

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4787**	**.5550**	**1.960**	**1.982**	**.4910**	**1.954**	**.4737**	**1.911**	**26.36**
Stddev	.0058	.0017	.003	.004	.0013	.002	.0009	.000	.04
%RSD	1.214	.3044	.1442	.2099	.2671	.1170	.2002	.0024	.1550
#1	.4746	.5538	1.958	1.979	.4900	1.955	.4730	1.911	26.33
#2	.4828	.5562	1.962	1.985	.4919	1.952	.4743	1.911	26.39

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.583**	**24.26**	**24.68**	**33.16**	**.0434**	**.0023**	**-.0013**	**1.135**	**.1304**
Stddev	.002	.07	.07	.06	.0000	.0000	.0008	.001	.0005
%RSD	.0203	.3081	.2819	.1957	.0157	1.642	60.33	.0912	.3805
#1	7.584	24.20	24.72	33.21	.0434	.0024	-.0019	1.134	.1301
#2	7.582	24.31	24.63	33.12	.0434	.0023	-.0007	1.136	.1308

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0202**	**.0060**	**.0047**	**-.0012**	**1.013**	**-.0017**	**.0009**
Stddev	.0001	.0003	.0002	.0001	.000	.0001	.0003
%RSD	.3431	4.914	4.782	7.431	.0042	7.935	38.41
#1	.0202	.0062	.0045	-.0012	1.013	-.0016	.0006
#2	.0201	.0058	.0048	-.0011	1.013	-.0018	.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**199610.**	**49030.**	**3356.6**	**8635.4**
Stddev	1879.	170.	8.2	14.4
%RSD	.94146	.34762	.24405	.16687
#1	200940.	49151.	3362.4	8645.6
#2	198280.	48910.	3350.8	8625.2

Zoom In Zoom Out

Sample Name: jb69769-1 Acquired: 6/23/2014 19:47:55 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0087**	**.0001**	**.0005**	**.0008**	**.0024**	**.0459**	**.0916**	**.0109**	**.0000**
Stddev	.0000	.0000	.0000	.0002	.0000	.0000	.0001	.0001	.000
%RSD	.5740	7.024	8.429	25.42	1.023	.0692	.0667	.7243	936.1
#1	.0087	.0001	.0005	.0009	.0025	.0459	.0917	.0109	-.0002
#2	.0086	.0001	.0005	.0006	.0024	.0459	.0916	.0110	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0373**	**.0255**	**.0003**	**.0127**	**.0007**	**.0035**	**.0448**	**2.451**
Stddev	.0001	.0001	.0002	.0008	.0001	.0004	.0000	.0009	.005
%RSD	45.71	.1700	.6122	264.5	.8720	53.90	1.062	1.903	.2060
#1	.0002	.0374	.0254	.0008	.0127	.0009	.0035	.0454	2.454
#2	.0004	.0373	.0256	-.0003	.0126	.0004	.0036	.0442	2.447

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.874**	**.4104**	**1.636**	**8.966**	**.0383**	**.0012**	**.0000**	**1.003**	**.1294**
Stddev	.003	.0074	.000	.011	.0002	.0000	.000	.003	.0004
%RSD	.0538	1.801	.0017	.1256	.5542	3.667	3071.	.2487	.2772
#1	5.876	.4051	1.636	8.958	.0381	.0013	.0002	1.005	.1291
#2	5.871	.4156	1.636	8.974	.0384	.0012	-.0002	1.001	.1296

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0187**	**.0062**	**-.0001**	**.0003**	**.9257**	**.0002**	**.0006**
Stddev	.0000	.0003	.0002	.0000	.0012	.0002	.0003
%RSD	.2074	5.146	163.5	6.840	.1284	160.0	47.25
#1	.0187	.0064	.0000	.0003	.9248	.0000	.0004
#2	.0188	.0060	-.0003	.0003	.9265	.0003	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**209710.**	**49637.**	**3441.7**	**8904.2**
Stddev	567.	98.	7.1	13.1
%RSD	.27033	.19716	.20723	.14707
#1	210110.	49706.	3446.8	8913.5
#2	209310.	49567.	3436.7	8894.9

Zoom In Zoom Out

Sample Name: mp80219-sd1 Acquired: 6/23/2014 19:54:01 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0094**	**-.0001**	**.0000**	**.0010**	**.0024**	**.0478**	**.0940**	**.0113**	**-.0004**
Stddev	.0002	.0000	.000	.0007	.0002	.0035	.0029	.0013	.0002
%RSD	1.682	43.05	4773.	67.93	10.57	7.262	3.053	11.85	58.96
#1	.0093	-.0001	-.0001	.0005	.0022	.0502	.0961	.0104	-.0002
#2	.0095	-.0001	.0001	.0015	.0025	.0453	.0920	.0123	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0380**	**.0279**	**-.0028**	**.0086**	**.0014**	**.0036**	**.0655**	**2.635**
Stddev	.0001	.0001	.0001	.0024	.0000	.0014	.0030	.0498	.012
%RSD	25.45	.2588	.4263	88.21	.4254	105.0	85.62	75.99	.4589
#1	.0004	.0379	.0280	-.0045	.0087	.0024	.0057	.0303	2.643
#2	.0003	.0380	.0278	-.0010	.0086	.0004	.0014	.1007	2.626

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.919**	**.3844**	**1.567**	**8.868**	**.0310**	**.0009**	**-.0034**	**1.040**	**.1317**
Stddev	.000	.0249	.033	.015	.0019	.0005	.0020	.010	.0015
%RSD	.0013	6.469	2.110	.1694	6.262	53.55	58.63	.9771	1.173
#1	5.919	.4019	1.591	8.858	.0324	.0012	-.0048	1.047	.1328
#2	5.919	.3668	1.544	8.879	.0296	.0005	-.0020	1.032	.1307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0190**	**.0060**	**-.0061**	**-.0005**	**.7282**	**.0020**	**-.0030**
Stddev	.0002	.0007	.0016	.0007	.0036	.0013	.0041
%RSD	.8432	11.02	25.54	126.8	.4983	64.06	134.6
#1	.0189	.0055	-.0050	-.0001	.7256	.0011	-.0059
#2	.0192	.0065	-.0072	-.0010	.7308	.0029	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**208370.**	**49311.**	**3450.8**	**8912.5**
Stddev	4264.	295.	.8	4.5
%RSD	2.0465	.59822	.02222	.05081
#1	205350.	49520.	3451.3	8915.8
#2	211390.	49102.	3450.2	8909.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 20:00:10 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.048**	**2.073**	**2.066**	**2.085**	**2.052**	**2.000**	**2.043**	**2.096**	**.2453**
Stddev	.003	.018	.000	.000	.010	.000	.014	.000	.0004
%RSD	.1316	.8617	.0180	.0152	.4914	.0198	.6659	.0194	.1541
#1	2.050	2.085	2.067	2.084	2.059	2.000	2.053	2.097	.2455
#2	2.046	2.060	2.066	2.085	2.044	2.000	2.033	2.096	.2450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**2.108**	**2.046**	**2.102**	**2.078**	**2.053**	**2.052**	**40.26**	**41.16**
Stddev	.004	.003	.003	.002	.000	.001	.000	.04	.08
%RSD	.2009	.1566	.1609	.0871	.0151	.0693	.0120	.1077	.1922
#1	2.012	2.110	2.044	2.103	2.078	2.054	2.052	40.29	41.22
#2	2.006	2.106	2.049	2.100	2.078	2.052	2.052	40.23	41.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.26**	**40.13**	**39.38**	**39.77**	**2.040**	**2.058**	**1.994**	**4.993**	**2.088**
Stddev	.09	.11	.02	.02	.001	.002	.002	.002	.001
%RSD	.2081	.2769	.0538	.0566	.0690	.0751	.0962	.0312	.0683
#1	41.32	40.21	39.37	39.79	2.041	2.057	1.996	4.992	2.087
#2	41.20	40.05	39.40	39.76	2.039	2.059	1.993	4.994	2.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 20:00:10 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.094**	**2.023**	**1.902**	**2.016**	**1.998**	**1.959**	**1.933**
Stddev	.028	.004	.029	.001	.001	.001	.002
%RSD	1.330	.1753	1.534	.0282	.0722	.0335	.1014
#1	2.113	2.025	1.882	2.016	1.999	1.960	1.934
#2	2.074	2.020	1.923	2.015	1.997	1.959	1.931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**199830.**	**48822.**	**3340.8**	**8573.7**
Stddev	772.	235.	.5	.6
%RSD	.38621	.48032	.01445	.00729
#1	199280.	48656.	3341.2	8573.2
#2	200380.	48988.	3340.5	8574.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 20:06:29 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0001**	**.0002**	**.0004**	**.0003**	**.0004**	**-.0002**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0000	.0003
%RSD	18.01	4.267	71.43	26.51	44.39	48.58	1.893	167.6
#1	.0004	.0004	.0002	.0002	.0003	.0002	.0004	.0000
#2	.0003	.0004	.0001	.0002	.0006	.0004	.0004	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0005**	**-.0048**	**.0009**	**-.0008**	**-.0004**	**-.0002**	**-.0004**
Stddev	.0003	.0001	.0001	.0002	.0004	.0009	.0010	.0002
%RSD	167.9	19.42	2.205	25.91	47.44	194.9	408.7	41.57
#1	.0000	.0004	-.0049	.0011	-.0011	.0002	-.0009	-.0005
#2	-.0004	.0005	-.0048	.0008	-.0006	-.0010	.0005	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	**.0076**	**.0098**	**-.0016**	**.0315**	**-.0082**	**-.0001**	**.0012**
Stddev	.0008	.0009	.0019	.0041	.0353	.0015	.0006	.0002
%RSD	7.495	11.53	19.87	259.6	112.2	18.43	901.4	16.74
#1	.0097	.0083	.0112	.0013	.0564	-.0071	.0004	.0014
#2	.0108	.0070	.0084	-.0044	.0065	-.0093	-.0005	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 20:06:29 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0003**	**.0003**	**.0004**	**.0002**	**.0234**	W **.0015**	F **-.0561**
Stddev	.0006	.0001	.0001	.0001	.0002	.0038	.0000	.0002
%RSD	98.37	38.67	20.92	15.42	129.0	16.07	3.341	.4361
#1	.0010	.0004	.0004	.0005	.0004	.0261	.0014	-.0562
#2	.0002	.0002	.0003	.0004	.0000	.0208	.0015	-.0559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail
High Limit							.0011	.0500
Low Limit							-.0011	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**-.0001**
Stddev	.0001	.0001
%RSD	55.35	105.2
#1	-.0001	-.0002
#2	-.0003	.0000
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**211460.**	**49047.**	**3454.1**	**8899.8**
Stddev	222.	274.	10.6	18.2
%RSD	.10492	.55918	.30665	.20401
#1	211620.	49241.	3461.6	8912.6
#2	211310.	48853.	3446.7	8886.9

Zoom In Zoom Out

Sample Name: mp80219-ps1 Acquired: 6/23/2014 20:12:39 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.002**	**.1040**	**.1099**	**.5369**	**.5086**	**.5432**	**.5871**	**.5366**	**.0748**
Stddev	.060	.0001	.0004	.0004	.0016	.0014	.0021	.0006	.0001
%RSD	1.195	.1283	.3273	.0684	.3235	.2568	.3550	.1102	.0993
#1	4.959	.1040	.1102	.5372	.5097	.5442	.5885	.5371	.0748
#2	5.044	.1039	.1097	.5367	.5074	.5422	.5856	.5362	.0747

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5055**	**.6176**	**.1336**	**.1107**	**.1154**	**.5498**	**.5257**	**5.196**	**101.7**
Stddev	.0016	.0003	.0003	.0003	.0011	.0034	.0030	.021	.4
%RSD	.3236	.0440	.1920	.2518	.9344	.6225	.5727	.4024	.4080
#1	.5066	.6178	.1338	.1105	.1162	.5522	.5278	5.181	102.0
#2	.5043	.6174	.1334	.1109	.1147	.5474	.5235	5.211	101.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**10.48**	**102.8**	**102.5**	**107.5**	**1.078**	**.5325**	**-.0025**	**.9514**	**.6285**
Stddev	.01	.2	.2	.4	.003	.0007	.0000	.0023	.0005
%RSD	.0476	.1660	.1842	.3878	.3066	.1384	1.459	.2374	.0853
#1	10.49	103.0	102.6	107.8	1.080	.5330	-.0025	.9530	.6289
#2	10.48	102.7	102.4	107.2	1.076	.5320	-.0024	.9498	.6282

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5369**	**.5016**	**.0173**	**-.0024**	**.8956**	**-.0018**	**.0032**
Stddev	.0014	.0018	.0004	.0002	.0013	.0006	.0004
%RSD	.2671	.3610	2.382	7.580	.1453	30.61	11.97
#1	.5379	.5028	.0176	-.0023	.8965	-.0022	.0034
#2	.5359	.5003	.0170	-.0026	.8947	-.0014	.0029

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**195070.**	**47869.**	**3237.8**	**8230.2**
Stddev	843.	19.	10.4	24.0
%RSD	.43223	.03980	.32157	.29193
#1	194470.	47883.	3230.4	8213.2
#2	195670.	47856.	3245.1	8247.2

Zoom In Zoom Out

Sample Name: jb69582-1f Acquired: 6/23/2014 20:18:56 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1747**	**-.0001**	**.0005**	**-.0006**	**.0007**	**.0016**	**.0521**	**.0021**	**-.0003**
Stddev	.0047	.0000	.0002	.0001	.0001	.0003	.0001	.0003	.0005
%RSD	2.682	7.795	38.99	19.79	14.66	19.02	.1720	12.42	170.5
#1	.1780	-.0001	.0004	-.0005	.0006	.0019	.0521	.0023	.0001
#2	.1714	-.0001	.0007	-.0007	.0007	.0014	.0522	.0020	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**-.0084**	**.0227**	**.0013**	**-.0006**	**.0005**	**.0003**	**.4154**	**251.3**
Stddev	.0000	.0002	.0002	.0006	.0007	.0003	.0002	.0008	4.9
%RSD	.7116	2.081	.7372	48.65	128.3	71.15	80.33	.2013	1.955
#1	.0018	-.0085	.0228	.0017	-.0011	.0002	.0005	.4160	254.8
#2	.0018	-.0083	.0226	.0008	-.0001	.0007	.0001	.4148	247.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0484**	**9.736**	**29.81**	**676.5**	**.1218**	**.0092**	**.0009**	**7.350**	**-.0023**
Stddev	.0017	.301	.79	22.4	.0007	.0001	.0004	.004	.0003
%RSD	3.591	3.094	2.643	3.318	.5450	1.386	42.62	.0548	11.14
#1	.0497	9.949	30.37	692.3	.1213	.0091	.0012	7.347	-.0025
#2	.0472	9.523	29.25	660.6	.1223	.0093	.0006	7.353	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.160**	**.0004**	**.0686**	**-.0011**	**20.90**	**-.0012**	**.0079**
Stddev	.021	.0001	.0024	.0000	.02	.0005	.0011
%RSD	.9627	17.04	3.463	4.325	.1178	37.19	13.35
#1	2.174	.0004	.0703	-.0010	20.88	-.0009	.0086
#2	2.145	.0005	.0669	-.0011	20.92	-.0016	.0071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**183070.**	**47367.**	**3087.4**	**7607.1**
Stddev	453.	1368.	1.3	2.4
%RSD	.24764	2.8879	.04272	.03155
#1	183390.	46400.	3088.4	7605.4
#2	182750.	48334.	3086.5	7608.8

Zoom In Zoom Out

Sample Name: jb69582-2f Acquired: 6/23/2014 20:25:20 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**1.423**	**-.0002**	**.0014**	**-.0005**	**.0015**	**-.0014**	**8.586**	**.0016**
Stddev	.001	.0002	.0004	.0006	.0019	.0044	.030	.0006
%RSD	.0559	98.83	28.50	122.4	124.5	309.1	.3481	37.16
#1	1.424	-.0003	.0017	-.0009	.0002	.0017	8.607	.0020
#2	1.423	-.0001	.0012	-.0001	.0029	-.0045	8.565	.0012

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	F **-.0106**	**-.0040**	**-.0063**	**.0594**	**.0080**	**.0028**	**.0011**	**.0010**
Stddev	.0148	.0010	.0074	.0019	.0028	.0024	.0011	.0007
%RSD	140.1	24.14	118.2	3.158	34.74	88.07	106.9	75.23
#1	-.0001	-.0033	-.0116	.0608	.0100	.0010	.0019	.0015
#2	-.0210	-.0047	-.0010	.0581	.0060	.0045	.0003	.0004

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2503**	**436.3**	**44.45**	**39.67**	**23.45**	*****	**.2193**	**.0020**
Stddev	.0797	2.2	.07	.07	.01	-----	.0002	.0005
%RSD	31.85	.4975	.1582	.1696	.0318	-----	.1028	27.90
#1	.3067	434.8	44.50	39.71	23.45	1435.	.2191	.0016
#2	.1940	437.8	44.40	39.62	23.46	-----	.2195	.0023

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0059**	**5.468**	**-.0019**	**2.219**	**.0023**	**.0456**	**-.0022**	**1.085**
Stddev	.0081	.041	.0021	.020	.0017	.0054	.0017	.040
%RSD	138.1	.7428	109.7	.9064	74.69	11.94	77.25	3.666
#1	-.0001	5.439	-.0034	2.233	.0011	.0495	-.0010	1.057
#2	-.0116	5.496	-.0004	2.205	.0034	.0418	-.0034	1.113

Elem	Bi2230	Li6707
Avg	**.0006**	**.0122**
Stddev	.0002	.0005
%RSD	26.58	4.470
#1	.0005	.0118
#2	.0008	.0126

Zoom In Zoom Out

Sample Name: jb69582-2f Acquired: 6/23/2014 20:25:20 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171150.**	**45660.**	**2878.9**	**7024.1**
Stddev	106.	56.	4.1	8.9
%RSD	.06212	.12266	.14125	.12724
#1	171230.	45700.	2881.8	7030.4
#2	171080.	45620.	2876.1	7017.8

Zoom In Zoom Out

Sample Name: jb69582-3f Acquired: 6/23/2014 20:31:46 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1110**	**-.0002**	**.0009**	**.0000**	**.0001**	**.0014**	**4.626**	**.0021**	**-.0003**
Stddev	.0001	.0000	.0002	.000	.0000	.0000	.018	.0002	.0000
%RSD	.0625	8.233	21.95	965.8	16.04	2.807	.3791	8.747	15.31
#1	.1110	-.0002	.0007	-.0001	.0001	.0015	4.638	.0020	-.0003
#2	.1111	-.0002	.0010	.0001	.0001	.0014	4.613	.0023	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0016**	**-.0065**	**.0171**	**.0013**	**.0005**	**.0041**	**-.0004**	**.2428**	**281.3**
Stddev	.0002	.0001	.0001	.0016	.0008	.0017	.0003	.0069	2.7
%RSD	13.90	1.804	.6568	122.2	170.5	41.07	75.57	2.856	.9585
#1	-.0018	-.0065	.0172	.0024	-.0001	.0052	-.0006	.2379	279.4
#2	-.0015	-.0064	.0170	.0002	.0011	.0029	-.0002	.2477	283.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.845**	**58.33**	**10.45**	**443.0**	**.3896**	**.0007**	**.0015**	**9.389**	**-.0018**
Stddev	.011	.19	.03	5.0	.0013	.0003	.0001	.016	.0002
%RSD	.1871	.3175	.2722	1.118	.3366	40.04	8.048	.1696	13.42
#1	5.838	58.20	10.43	439.5	.3887	.0009	.0014	9.378	-.0020
#2	5.853	58.46	10.47	446.5	.3905	.0005	.0015	9.400	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.010**	**.0001**	**.0228**	**-.0054**	F **108.3**	**-.0020**	**.0361**
Stddev	.001	.0002	.0001	.0000	.2	.0009	.0001
%RSD	.0880	215.6	.3931	.6580	.1825	47.90	.3917
#1	1.009	.0003	.0227	-.0054	108.2	-.0027	.0362
#2	1.010	-.0001	.0228	-.0054	108.5	-.0013	.0360

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**184160.**	**46617.**	**3064.4**	**7687.4**
Stddev	333.	176.	7.3	15.1
%RSD	.18065	.37687	.23773	.19650
#1	183920.	46741.	3069.5	7698.1
#2	184390.	46492.	3059.2	7676.7

Zoom In Zoom Out

Sample Name: jb69795-3 Acquired: 6/23/2014 20:38:09 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3860**	**-.0002**	**.0018**	**-.0004**	**.0036**	**.0196**	**5.994**	**.0052**	**-.0011**
Stddev	.0002	.0000	.0001	.0002	.0000	.0002	.003	.0001	.0000
%RSD	.0573	3.374	4.023	41.01	1.053	.9206	.0507	1.089	.8769
#1	.3862	-.0002	.0019	-.0003	.0036	.0197	5.996	.0052	-.0011
#2	.3859	-.0002	.0018	-.0005	.0037	.0195	5.992	.0052	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0011**	**.0145**	**.0013**	**.0057**	**.0003**	**.0094**	**-.0015**	**.5079**	F **509.5**
Stddev	.0001	.0001	.0005	.0005	.0009	.0001	.0006	.0148	.0
%RSD	10.70	.3643	34.70	8.072	289.4	1.392	40.15	2.910	.0063
#1	-.0012	.0145	.0016	.0061	-.0003	.0093	-.0019	.5184	509.5
#2	-.0011	.0146	.0010	.0054	.0010	.0095	-.0011	.4975	509.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.582**	**119.2**	**6.021**	F **1251.**	**.0637**	**-.0012**	**.0021**	**7.059**	**-.0018**
Stddev	.003	.2	.003	11.	.0009	.0000	.0000	.012	.0002
%RSD	.0681	.1581	.0572	.8805	1.374	.8880	.4206	.1711	12.70
#1	4.584	119.4	6.019	1259.	.0631	-.0012	.0021	7.050	-.0020
#2	4.580	119.1	6.023	1243.	.0644	-.0012	.0021	7.068	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9235**	**.0091**	**.0014**	**-.0035**	**48.23**	**-.0018**	**.0311**
Stddev	.0007	.0008	.0004	.0002	.12	.0003	.0002
%RSD	.0735	8.807	24.62	4.413	.2441	19.67	.6257
#1	.9240	.0096	.0012	-.0036	48.15	-.0015	.0309
#2	.9231	.0085	.0017	-.0034	48.32	-.0020	.0312

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**170100.**	**44909.**	**2858.3**	**7011.2**
Stddev	348.	28.	7.3	14.1
%RSD	.20479	.06303	.25547	.20147
#1	169860.	44929.	2863.5	7021.2
#2	170350.	44889.	2853.1	7001.2

Zoom In Zoom Out

Sample Name: jb69795-4 Acquired: 6/23/2014 20:44:30 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.187**	**-.0002**	**.0008**	**.0013**	**.0005**	**.0026**	**6.599**	**.0059**	**-.0005**
Stddev	.002	.0000	.0000	.0001	.0001	.0003	.230	.0002	.0003
%RSD	.2041	6.841	4.582	6.071	16.62	10.69	3.481	3.477	60.56
#1	1.188	-.0002	.0007	.0012	.0004	.0024	6.437	.0061	-.0003
#2	1.185	-.0002	.0008	.0013	.0006	.0028	6.762	.0058	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0015**	**.0007**	**.0023**	**.0054**	**.0006**	**.0045**	**-.0008**	**.2833**	**197.3**
Stddev	.0000	.0000	.0004	.0004	.0008	.0001	.0000	.0106	2.6
%RSD	1.089	3.369	19.22	6.713	150.2	3.193	5.634	3.727	1.303
#1	-.0015	.0008	.0020	.0052	.0011	.0046	-.0009	.2758	195.5
#2	-.0016	.0007	.0026	.0057	.0000	.0044	-.0008	.2907	199.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.157**	**48.48**	**1.954**	**112.4**	**.0438**	**-.0004**	**-.0002**	**10.86**	**-.0025**
Stddev	.007	.06	.004	.2	.0001	.0001	.0001	.05	.0002
%RSD	.1373	.1180	.2295	.1485	.3082	19.39	46.65	.4277	9.300
#1	5.152	48.44	1.951	112.5	.0437	-.0003	-.0002	10.89	-.0026
#2	5.162	48.52	1.957	112.3	.0439	-.0004	-.0003	10.82	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3558**	**.0051**	**-.0001**	**-.0025**	**6.643**	**-.0020**	**.0110**
Stddev	.0015	.0034	.0006	.0000	.025	.0000	.0006
%RSD	.4172	67.55	682.4	.2881	.3829	.0515	5.814
#1	.3568	.0075	.0003	-.0025	6.661	-.0020	.0115
#2	.3547	.0026	-.0005	-.0025	6.625	-.0020	.0106

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**198890.**	**47475.**	**3175.8**	**8097.9**
Stddev	6676.	64.	12.6	25.7
%RSD	3.3566	.13560	.39641	.31771
#1	203610.	47520.	3166.9	8079.7
#2	194170.	47429.	3184.7	8116.1

Zoom In Zoom Out

Sample Name: jb69795-5 Acquired: 6/23/2014 20:50:53 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2276**	**.0000**	**.0002**	**-.0002**	**.0672**	**.0017**	**.0139**	**.0084**	**.0003**
Stddev	.0088	.000	.0000	.0000	.0008	.0003	.0001	.0000	.0004
%RSD	3.851	155.9	1.123	2.967	1.148	14.73	.7424	.0000	173.2
#1	.2214	.0000	.0002	-.0002	.0677	.0019	.0140	.0084	-.0001
#2	.2338	.0000	.0002	-.0002	.0666	.0016	.0139	.0084	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0027**	**.0094**	**.0023**	**.0002**	**.0000**	**.0032**	**.0007**	**.4533**	**79.72**
Stddev	.0001	.0003	.0000	.0017	.000	.0008	.0002	.0192	1.87
%RSD	2.264	3.565	.8976	897.9	6315.	25.33	22.96	4.241	2.350
#1	.0028	.0092	.0023	.0014	-.0002	.0026	.0006	.4397	78.40
#2	.0027	.0097	.0023	-.0010	.0002	.0037	.0008	.4669	81.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6472**	**24.08**	**1.438**	**98.23**	**.0590**	**.0011**	**.0007**	**10.17**	**-.0019**
Stddev	.0202	.88	.083	2.30	.0000	.0001	.0002	.00	.0005
%RSD	3.128	3.654	5.777	2.337	.0683	5.569	20.61	.0111	25.99
#1	.6329	23.46	1.379	96.61	.0590	.0010	.0008	10.17	-.0016
#2	.6616	24.70	1.496	99.85	.0590	.0011	.0006	10.17	-.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1614**	**.0141**	**-.0015**	**-.0016**	**9.205**	**-.0005**	**.0108**
Stddev	.0060	.0001	.0004	.0002	.011	.0005	.0017
%RSD	3.703	.7525	23.28	10.65	.1148	85.24	15.86
#1	.1572	.0142	-.0013	-.0015	9.197	-.0009	.0096
#2	.1657	.0141	-.0018	-.0017	9.212	-.0002	.0120

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**199180.**	**47584.**	**3287.6**	**8415.2**
Stddev	668.	1530.	3.1	16.8
%RSD	.33519	3.2153	.09472	.19971
#1	198700.	48665.	3289.8	8427.1
#2	199650.	46502.	3285.4	8403.3

Zoom In Zoom Out

Sample Name: jb69795-6 Acquired: 6/23/2014 20:57:11 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3291**	**.0000**	**.0007**	**.0001**	**.0117**	**.0034**	**.0621**	**.0086**	**.0005**
Stddev	.0003	.000	.0000	.0001	.0000	.0001	.0000	.0000	.0003
%RSD	.0959	76.40	5.453	205.9	.2660	2.801	.0172	.0403	58.85
#1	.3293	.0000	.0007	.0001	.0118	.0034	.0621	.0085	.0003
#2	.3289	.0000	.0007	.0000	.0117	.0033	.0621	.0086	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0098**	**.0038**	**.0089**	**.0002**	**.0011**	**.0001**	**.0001**	**.2664**	**39.18**
Stddev	.0001	.0001	.0003	.0008	.0004	.0004	.0011	.0042	.02
%RSD	1.012	2.500	3.263	463.5	37.20	359.2	1095.	1.575	.0416
#1	.0099	.0039	.0091	-.0004	.0008	.0004	-.0007	.2634	39.17
#2	.0098	.0038	.0087	.0007	.0014	-.0002	.0009	.2694	39.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.070**	**27.55**	**3.759**	**16.80**	**.0133**	**.0013**	**.0000**	**7.769**	**-.0015**
Stddev	.003	.08	.002	.02	.0001	.0000	.0004	.005	.0005
%RSD	.0351	.2777	.0468	.1328	.8588	1.249	2537.	.0654	31.40
#1	7.072	27.60	3.760	16.81	.0132	.0013	-.0002	7.772	-.0012
#2	7.068	27.50	3.758	16.78	.0133	.0013	.0003	7.765	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9817**	**.0067**	**-.0020**	**-.0010**	**6.229**	**-.0004**	**.0075**
Stddev	.0013	.0002	.0010	.0001	.006	.0006	.0001
%RSD	.1321	3.360	48.81	6.507	.1018	126.3	.7526
#1	.9826	.0068	-.0027	-.0010	6.233	.0000	.0075
#2	.9808	.0065	-.0013	-.0011	6.224	-.0008	.0075

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**203930.**	**48798.**	**3347.1**	**8619.0**
Stddev	670.	63.	4.9	7.5
%RSD	.32845	.12972	.14595	.08721
#1	203460.	48754.	3343.7	8613.7
#2	204410.	48843.	3350.6	8624.3

Zoom In Zoom Out

Sample Name: jb69795-7 Acquired: 6/23/2014 21:03:18 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1534**	**.0000**	**.0014**	**.0016**	**.0034**	**.0074**	**.5207**	**.0081**	**.0000**
Stddev	.0002	.0000	.0001	.0000	.0002	.0001	.0013	.0001	.000
%RSD	.1250	41.19	3.691	2.280	4.691	1.948	.2455	1.682	725.4
#1	.1535	.0000	.0014	.0016	.0033	.0075	.5217	.0080	-.0002
#2	.1532	.0000	.0015	.0015	.0035	.0073	.5198	.0082	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0083**	**.0031**	**.0048**	**.0011**	**.0017**	**.0014**	**-.0008**	**1.368**	**64.80**
Stddev	.0002	.0000	.0002	.0000	.0008	.0002	.0008	.001	.18
%RSD	2.855	1.502	3.127	2.109	48.94	13.13	101.3	.0366	.2761
#1	.0084	.0032	.0047	.0011	.0011	.0013	-.0002	1.367	64.93
#2	.0081	.0031	.0049	.0012	.0022	.0015	-.0013	1.368	64.67

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.226**	**14.53**	**5.278**	**321.0**	**.1718**	**.0056**	**.0002**	**8.017**	**-.0007**
Stddev	.003	.06	.009	1.6	.0008	.0001	.0004	.006	.0003
%RSD	.2266	.3974	.1634	.5088	.4644	2.305	177.0	.0784	42.39
#1	1.228	14.57	5.285	319.8	.1712	.0055	.0005	8.022	-.0005
#2	1.224	14.49	5.272	322.1	.1723	.0057	-.0001	8.013	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2719**	**.0317**	**.0000**	**-.0008**	**15.43**	**-.0004**	**.0017**
Stddev	.0001	.0003	.000	.0000	.01	.0002	.0000
%RSD	.0453	.9646	937.7	2.028	.0553	67.16	.7230
#1	.2719	.0315	-.0004	-.0008	15.44	-.0005	.0017
#2	.2720	.0319	.0003	-.0008	15.43	-.0002	.0017

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**194050.**	**48212.**	**3256.4**	**8162.2**
Stddev	171.	233.	3.2	14.0
%RSD	.08805	.48224	.09838	.17175
#1	193930.	48048.	3254.1	8152.3
#2	194170.	48376.	3258.7	8172.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 21:09:30 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.059**	**2.083**	**2.072**	**2.086**	**2.032**	**1.993**	**2.046**	**2.097**	**.2446**
Stddev	.002	.018	.000	.003	.003	.005	.006	.003	.0001
%RSD	.0773	.8585	.0031	.1311	.1588	.2461	.3160	.1536	.0289
#1	2.060	2.095	2.072	2.088	2.029	1.997	2.041	2.100	.2445
#2	2.058	2.070	2.072	2.084	2.034	1.990	2.050	2.095	.2446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.125**	**2.047**	**2.117**	**2.080**	**2.068**	**2.056**	**40.31**	**41.21**
Stddev	.000	.009	.001	.005	.005	.002	.004	.04	.05
%RSD	.0026	.4335	.0558	.2157	.2505	.0881	.2137	.1025	.1213
#1	1.996	2.131	2.046	2.121	2.084	2.070	2.053	40.34	41.18
#2	1.996	2.118	2.048	2.114	2.077	2.067	2.059	40.28	41.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.18**	**40.11**	**39.48**	**39.84**	**2.042**	**2.061**	**1.991**	**5.006**	**2.093**
Stddev	.02	.08	.06	.01	.001	.001	.001	.002	.001
%RSD	.0441	.1877	.1618	.0184	.0511	.0396	.0463	.0309	.0249
#1	41.17	40.06	39.43	39.83	2.042	2.060	1.992	5.005	2.093
#2	41.20	40.17	39.52	39.84	2.043	2.061	1.990	5.007	2.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 21:09:30 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.068**	**2.024**	F **1.714**	**2.016**	**2.010**	**1.965**	**1.940**
Stddev	.004	.001	.038	.000	.005	.004	.001
%RSD	.2178	.0439	2.196	.0146	.2660	.2048	.0287
#1	2.071	2.023	1.687	2.015	2.014	1.962	1.940
#2	2.064	2.024	1.740	2.016	2.006	1.968	1.939
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**201040.**	**48621.**	**3334.8**	**8571.5**
Stddev	409.	100.	2.9	13.2
%RSD	.20361	.20468	.08685	.15356
#1	201330.	48692.	3332.7	8562.2
#2	200750.	48551.	3336.8	8580.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 21:15:49 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0005**	**.0004**	**.0005**	**.0007**	**.0005**	**.0006**	**.0004**
Stddev	.0002	.0000	.0000	.0003	.0001	.0003	.0000	.0002
%RSD	34.02	1.162	10.58	49.43	18.18	59.41	.2240	62.06
#1	.0007	.0005	.0004	.0007	.0006	.0008	.0006	.0006
#2	.0004	.0005	.0004	.0003	.0008	.0003	.0006	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0005**	**-.0041**	**.0017**	**-.0001**	**-.0005**	**-.0009**	**-.0001**
Stddev	.0001	.0001	.0001	.0009	.0000	.0001	.0000	.0004
%RSD	161.1	23.74	1.384	52.89	18.59	21.82	1.784	583.2
#1	.0000	.0006	-.0041	.0023	-.0002	-.0006	-.0009	.0002
#2	.0002	.0004	-.0041	.0010	-.0001	-.0004	-.0009	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	**.0149**	**.0119**	**.0095**	**.0409**	**.0455**	**.0004**	**.0013**
Stddev	.0041	.0005	.0005	.0085	.0073	.0008	.0003	.0003
%RSD	40.28	3.294	4.399	88.57	17.87	1.775	68.63	24.67
#1	.0131	.0152	.0123	.0036	.0460	.0449	.0006	.0015
#2	.0073	.0145	.0115	.0155	.0357	.0461	.0002	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 21:15:49 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0015**	**.0005**	**.0006**	**.0006**	**.0177**	W **.0012**	F **-.0528**
Stddev	.0006	.0006	.0003	.0000	.0002	.0019	.0001	.0011
%RSD	82.49	37.53	64.83	.9588	31.19	10.81	8.235	2.005
#1	.0011	.0019	.0007	.0006	.0007	.0190	.0013	-.0521
#2	.0003	.0011	.0003	.0006	.0004	.0163	.0012	-.0536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail
High Limit							.0011	.0500
Low Limit							-.0011	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0006**	**-.0003**
Stddev	.0001	.0005
%RSD	16.22	182.2
#1	.0005	-.0007
#2	.0006	.0001
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**210320.**	**49247.**	**3452.5**	**8907.9**
Stddev	1133.	191.	9.9	29.5
%RSD	.53856	.38791	.28620	.33142
#1	211120.	49112.	3459.5	8928.8
#2	209510.	49382.	3445.5	8887.0

Zoom In Zoom Out

Sample Name: jb69795-8 Acquired: 6/23/2014 21:22:01 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5502**	**.0000**	**.0012**	**-.0005**	**.0035**	**.0014**	**.0043**	**.0021**	**.0000**
Stddev	.0012	.000	.0001	.0000	.0001	.0000	.0001	.0003	.000
%RSD	.2155	39.04	4.145	6.751	2.737	1.846	1.777	15.52	750.6
#1	.5494	.0000	.0013	-.0006	.0035	.0013	.0044	.0019	-.0003
#2	.5511	-.0001	.0012	-.0005	.0036	.0014	.0043	.0023	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0016**	**.0080**	**.0026**	**.0012**	**-.0005**	**.0011**	**-.0001**	**.2439**	**174.4**
Stddev	.0003	.0000	.0007	.0005	.0002	.0012	.0008	.0085	1.4
%RSD	18.58	.2975	25.72	43.33	35.43	110.4	644.0	3.481	.8185
#1	.0018	.0081	.0021	.0008	-.0004	.0002	-.0007	.2379	173.3
#2	.0014	.0080	.0031	.0016	-.0007	.0019	.0005	.2499	175.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1332**	**45.63**	**1.929**	**83.34**	**.0380**	**.0165**	**.0001**	**10.98**	**-.0008**
Stddev	.0007	.17	.002	.57	.0004	.0000	.0007	.01	.0001
%RSD	.5281	.3747	.0826	.6873	.9299	.0494	743.5	.0584	8.565
#1	.1327	45.51	1.930	82.93	.0383	.0165	.0006	10.98	-.0008
#2	.1337	45.75	1.928	83.74	.0378	.0165	-.0004	10.98	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5437**	**.0024**	**.0134**	**-.0015**	**9.374**	**-.0013**	**.0070**
Stddev	.0021	.0004	.0016	.0000	.006	.0004	.0007
%RSD	.3782	15.32	12.01	1.629	.0624	33.95	9.882
#1	.5423	.0027	.0146	-.0015	9.369	-.0010	.0075
#2	.5452	.0021	.0123	-.0015	9.378	-.0016	.0065

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**195380.**	**47542.**	**3234.6**	**8251.7**
Stddev	402.	152.	.7	1.1
%RSD	.20591	.31900	.02176	.01339
#1	195090.	47649.	3234.1	8250.9
#2	195660.	47435.	3235.1	8252.5

Zoom In Zoom Out

Sample Name: jb69795-9 Acquired: 6/23/2014 21:28:20 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**-.0001**	**.0001**	**-.0001**	**.0007**	**.0003**	**.0004**	**-.0004**	**-.0003**
Stddev	.0001	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0000
%RSD	35.87	10.65	36.40	32.86	3.589	11.10	6.537	19.89	17.08
#1	.0003	.0000	.0002	-.0001	.0007	.0003	.0004	-.0004	-.0003
#2	.0004	-.0001	.0001	.0000	.0007	.0003	.0004	-.0003	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**-.0023**	**.0000**	**-.0011**	**-.0007**	**-.0003**	**-.0001**	**.0116**	**.0511**
Stddev	.0001	.0000	.001	.0003	.0002	.0002	.0001	.0066	.0005
%RSD	89.69	.7703	7615.	27.27	24.08	56.75	81.04	56.78	.9652
#1	.0000	-.0023	.0004	-.0009	-.0008	-.0002	-.0001	.0069	.0508
#2	.0002	-.0023	-.0004	-.0013	-.0006	-.0004	.0000	.0162	.0515

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0074**	**.0022**	**.0201**	**.1985**	**-.0001**	**.0003**	**.0011**	**.0505**	**.0013**
Stddev	.0002	.0094	.0198	.0017	.0003	.0000	.0008	.0003	.0003
%RSD	2.033	425.9	98.95	.8731	218.8	10.78	72.27	.6801	21.80
#1	.0075	.0089	.0341	.1997	.0001	.0003	.0005	.0508	.0015
#2	.0073	-.0044	.0060	.1973	-.0003	.0002	.0016	.0503	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**.0066**	**.0004**	**-.0477**	**-.0011**	**-.0010**
Stddev	.0000	.0002	.0009	.0001	.0002	.0001	.0008
%RSD	15.49	153.2	14.16	39.70	.4463	11.01	74.61
#1	.0001	-.0003	.0073	.0005	-.0476	-.0012	-.0005
#2	.0001	.0000	.0060	.0003	-.0479	-.0010	-.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**210350.**	**48530.**	**3454.5**	**8924.1**
Stddev	643.	349.	48.6	125.1
%RSD	.30564	.71925	1.4082	1.4018
#1	210810.	48283.	3420.1	8835.7
#2	209900.	48777.	3488.9	9012.6

Zoom In Zoom Out

Sample Name: jb69795-3f Acquired: 6/23/2014 21:34:30 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3816**	**-.0002**	**.0016**	**-.0005**	**.0013**	**.0028**	**5.934**	**.0034**	**-.0011**
Stddev	.0012	.0000	.0000	.0000	.0003	.0001	.013	.0002	.0002
%RSD	.3125	4.587	2.282	1.785	20.57	4.559	.2127	5.994	17.82
#1	.3825	-.0002	.0016	-.0005	.0011	.0029	5.925	.0036	-.0012
#2	.3808	-.0002	.0016	-.0005	.0015	.0027	5.943	.0033	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0017**	**-.0036**	**.0020**	**.0069**	**-.0002**	**.0065**	**-.0007**	**.3204**	**498.1**
Stddev	.0001	.0001	.0004	.0007	.0004	.0000	.0000	.0136	1.7
%RSD	2.935	3.377	19.10	10.13	188.8	.4235	2.927	4.256	.3332
#1	-.0018	-.0037	.0023	.0074	.0001	.0066	-.0008	.3107	499.3
#2	-.0017	-.0036	.0018	.0064	-.0004	.0065	-.0007	.3300	496.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.627**	**117.5**	**5.859**	F **1235.**	**.0616**	**-.0012**	**.0017**	**6.555**	**-.0019**
Stddev	.006	.2	.006	5.	.0001	.0002	.0004	.003	.0003
%RSD	.1627	.1315	.1087	.3730	.1888	15.19	24.74	.0492	16.90
#1	3.622	117.4	5.864	1238.	.0615	-.0014	.0020	6.557	-.0021
#2	3.631	117.6	5.855	1232.	.0616	-.0011	.0014	6.552	-.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9085**	**.0008**	**.0165**	**-.0027**	**47.32**	**-.0021**	**.0307**
Stddev	.0009	.0004	.0002	.0001	.01	.0004	.0009
%RSD	.0999	51.53	1.510	3.553	.0299	17.25	2.983
#1	.9091	.0005	.0167	-.0026	47.33	-.0018	.0301
#2	.9079	.0010	.0163	-.0027	47.31	-.0023	.0313

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**171280.**	**45449.**	**2893.4**	**7087.4**
Stddev	488.	21.	.3	.3
%RSD	.28504	.04688	.01101	.00436
#1	171630.	45434.	2893.1	7087.2
#2	170940.	45464.	2893.6	7087.6

Zoom In Zoom Out

Sample Name: jb69795-4f Acquired: 6/23/2014 21:40:54 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.180**	**-.0002**	**.0009**	**.0011**	**.0002**	**.0014**	**6.654**	**.0055**	**-.0002**
Stddev	.004	.0000	.0001	.0000	.0001	.0001	.018	.0001	.0002
%RSD	.3467	9.238	5.664	3.792	49.32	10.24	.2754	1.211	73.49
#1	1.183	-.0002	.0010	.0011	.0001	.0013	6.641	.0055	-.0001
#2	1.177	-.0003	.0009	.0011	.0003	.0015	6.667	.0056	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0021**	**.0007**	**.0019**	**.0054**	**.0007**	**.0044**	**-.0005**	**.1823**	**197.1**
Stddev	.0001	.0001	.0015	.0018	.0006	.0007	.0010	.0067	2.4
%RSD	5.139	10.04	78.97	32.42	91.59	16.72	195.7	3.699	1.204
#1	-.0020	.0007	.0008	.0042	.0011	.0039	.0002	.1871	195.4
#2	-.0021	.0006	.0030	.0067	.0002	.0049	-.0013	.1775	198.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.091**	**48.95**	**1.940**	**114.5**	**.0439**	**-.0003**	**.0007**	**10.56**	**-.0024**
Stddev	.010	.10	.025	.5	.0003	.0000	.0002	.01	.0000
%RSD	.1990	.1943	1.289	.4303	.6901	11.17	28.26	.1193	1.984
#1	5.099	49.01	1.957	114.8	.0437	-.0003	.0009	10.56	-.0023
#2	5.084	48.88	1.922	114.1	.0441	-.0003	.0006	10.57	-.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3548**	**.0000**	**-.0036**	**-.0023**	**6.541**	**-.0010**	**.0113**
Stddev	.0017	.0004	.0002	.0001	.004	.0014	.0006
%RSD	.4834	864.3	5.594	4.161	.0586	144.0	5.109
#1	.3560	.0003	.0038	-.0024	6.539	-.0019	.0117
#2	.3536	-.0002	.0035	-.0023	6.544	.0000	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**195220.**	**47384.**	**3213.8**	**8189.6**
Stddev	214.	15.	1.1	.5
%RSD	.10943	.03112	.03373	.00603
#1	195370.	47394.	3214.5	8189.3
#2	195070.	47373.	3213.0	8190.0

Zoom In Zoom Out

Sample Name: jb69795-5f Acquired: 6/23/2014 21:47:16 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2748**	**.0000**	**.0004**	**-.0006**	**.0021**	**.0011**	**.0039**	**.0085**	**.0001**
Stddev	.0002	.000	.0000	.0003	.0001	.0002	.0000	.0000	.0003
%RSD	.0705	38.66	.1345	49.15	6.504	14.65	.3583	.2870	285.2
#1	.2750	.0000	.0004	-.0004	.0020	.0012	.0039	.0085	-.0001
#2	.2747	.0000	.0004	-.0007	.0022	.0010	.0039	.0085	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**.0156**	**.0020**	**.0003**	**.0003**	**.0014**	**-.0014**	**.1093**	**101.6**
Stddev	.0002	.0001	.0005	.0005	.0001	.0003	.0001	.0071	.8
%RSD	14.63	.3588	23.25	135.1	35.51	23.11	7.018	6.501	.7425
#1	.0017	.0156	.0017	.0000	.0004	.0012	-.0014	.1143	101.1
#2	.0014	.0156	.0023	.0007	.0003	.0016	-.0015	.1043	102.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0328**	**31.68**	**1.369**	**102.2**	**.0638**	**.0004**	**-.0002**	**10.66**	**-.0027**
Stddev	.0017	.12	.004	.4	.0002	.0000	.0002	.00	.0004
%RSD	5.272	.3888	.3019	.3591	.3740	8.609	119.6	.0423	14.16
#1	.0340	31.77	1.366	102.0	.0636	.0004	.0000	10.67	-.0029
#2	.0316	31.59	1.372	102.5	.0639	.0004	-.0003	10.66	-.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1970**	**-.0004**	**.0011**	**-.0019**	**11.44**	**-.0006**	**.0126**
Stddev	.0002	.0000	.0009	.0002	.00	.0003	.0001
%RSD	.1222	12.94	82.27	7.828	.0354	51.06	.4992
#1	.1972	-.0004	.0017	-.0020	11.43	-.0004	.0126
#2	.1968	-.0003	.0005	-.0018	11.44	-.0008	.0125

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**197620.**	**47993.**	**3275.6**	**8370.5**
Stddev	614.	147.	1.5	5.6
%RSD	.31062	.30632	.04720	.06692
#1	198060.	47889.	3276.7	8374.4
#2	197190.	48097.	3274.5	8366.5

Zoom In Zoom Out

Sample Name: jb69795-6f Acquired: 6/23/2014 21:53:33 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3427**	**.0000**	**.0000**	**-.0004**	**.0006**	**.0009**	**.0138**	**.0027**	**-.0002**
Stddev	.0002	.000	.0000	.0001	.0002	.0001	.0000	.0002	.0002
%RSD	.0522	41.08	61.58	19.95	36.21	10.47	.0817	7.022	80.91
#1	.3428	.0000	.0000	-.0004	.0008	.0009	.0138	.0029	-.0001
#2	.3425	.0000	.0001	-.0003	.0005	.0010	.0138	.0026	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0044**	**.0001**	**.0047**	**.0000**	**.0001**	**.0007**	**-.0004**	**.0506**	**43.62**
Stddev	.0002	.0000	.0002	.001	.0004	.0008	.0010	.0017	.02
%RSD	5.064	37.08	4.210	1400.	354.6	107.8	268.6	3.457	.0500
#1	.0042	.0001	.0046	-.0005	-.0002	.0002	-.0011	.0493	43.64
#2	.0045	.0001	.0049	.0004	.0004	.0013	.0003	.0518	43.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0441**	**31.41**	**4.187**	**18.78**	**.0150**	**.0011**	**-.0003**	**7.917**	**-.0017**
Stddev	.0008	.08	.021	.00	.0001	.0000	.0007	.001	.0008
%RSD	1.795	.2499	.4899	.0091	.5204	.2651	200.5	.0127	47.04
#1	.0435	31.46	4.202	18.78	.0149	.0011	.0001	7.917	-.0011
#2	.0447	31.35	4.173	18.78	.0150	.0011	-.0008	7.916	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.093**	**.0001**	**.0079**	**-.0010**	**6.950**	**-.0008**	**.0086**
Stddev	.000	.0000	.0003	.0000	.011	.0000	.0002
%RSD	.0359	31.73	3.554	2.842	.1517	2.066	2.407
#1	1.093	.0001	.0081	-.0010	6.958	-.0008	.0084
#2	1.094	.0001	.0077	-.0010	6.943	-.0008	.0087

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**204120.**	**48486.**	**3353.4**	**8621.9**
Stddev	969.	9.	1.3	4.9
%RSD	.47447	.01952	.03810	.05629
#1	203440.	48479.	3352.5	8618.5
#2	204810.	48492.	3354.3	8625.4

Zoom In Zoom Out

Sample Name: jb69795-7f Acquired: 6/23/2014 21:59:39 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2049**	**-.0001**	**.0002**	**.0005**	**.0006**	**.0033**	**.5307**	**.0072**	**-.0004**
Stddev	.0003	.0000	.0002	.0001	.0002	.0001	.0007	.0003	.0003
%RSD	.1397	27.36	104.2	14.19	25.89	2.113	.1239	3.546	83.22
#1	.2051	-.0001	.0001	.0004	.0007	.0032	.5303	.0074	-.0006
#2	.2047	-.0001	.0004	.0005	.0005	.0033	.5312	.0071	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0014**	**-.0014**	**.0037**	**.0002**	**.0006**	**-.0005**	**-.0007**	**.1103**	**76.81**
Stddev	.0003	.0001	.0001	.0012	.0004	.0010	.0005	.0055	1.36
%RSD	18.39	6.178	1.548	610.8	54.87	193.0	72.99	4.954	1.766
#1	.0015	-.0015	.0037	-.0007	.0009	-.0013	-.0011	.1141	77.77
#2	.0012	-.0014	.0038	.0011	.0004	.0002	-.0004	.1064	75.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0795**	**18.51**	**2.830**	**390.3**	**.1719**	**.0063**	**-.0006**	**6.146**	**-.0017**
Stddev	.0011	.02	.011	5.1	.0003	.0001	.0006	.007	.0007
%RSD	1.416	.1018	.3979	1.296	.1579	1.019	95.36	.1112	38.96
#1	.0802	18.50	2.822	386.7	.1721	.0063	-.0002	6.141	-.0012
#2	.0787	18.53	2.838	393.9	.1717	.0064	-.0010	6.151	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2562**	**-.0001**	**-.0011**	**-.0017**	**15.13**	**-.0004**	**.0029**
Stddev	.0001	.0002	.0001	.0001	.02	.0013	.0005
%RSD	.0297	151.5	8.903	4.062	.1055	337.2	15.69
#1	.2563	-.0002	-.0012	-.0018	15.12	.0005	.0032
#2	.2562	.0000	-.0011	-.0017	15.14	-.0013	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**191200.**	**47935.**	**3217.5**	**8045.8**
Stddev	71.	65.	5.1	6.1
%RSD	.03720	.13459	.15915	.07615
#1	191250.	47889.	3221.1	8050.1
#2	191150.	47980.	3213.8	8041.5

Zoom In Zoom Out

Sample Name: jb69795-8f Acquired: 6/23/2014 22:05:57 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.5144**	**-.0001**	**.0002**	**-.0007**	**.0019**	**.0015**	**.0000**	**.0017**
Stddev	.0002	.0000	.0001	.0004	.0002	.0001	.0000	.0003
%RSD	.0326	27.98	41.43	53.00	8.133	6.116	50.49	16.20
#1	.5143	-.0001	.0002	-.0009	.0020	.0015	.0000	.0019
#2	.5145	-.0001	.0003	-.0004	.0018	.0014	.0000	.0015

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0001**	**.0012**	**.0083**	**.0460**	F **-.0427**	**.0112**	**.0112**	**-.0017**
Stddev	.0004	.0002	.0001	.0003	.0004	.0008	.0008	.0008
%RSD	479.1	19.37	1.367	.7240	1.014	7.127	7.496	48.93
#1	-.0002	.0010	.0084	.0462	-.0430	.0117	.0118	-.0011
#2	.0003	.0014	.0082	.0458	-.0424	.0106	.0106	-.0023

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.1628**	**168.6**	**.0242**	**44.52**	**1.896**	**81.26**	**.0360**	**.0158**
Stddev	.0028	1.4	.0005	.27	.016	1.06	.0001	.0002
%RSD	1.714	.8359	1.970	.6052	.8222	1.305	.3821	1.359
#1	.1648	169.5	.0245	44.71	1.885	82.01	.0361	.0157
#2	.1609	167.6	.0239	44.33	1.907	80.51	.0359	.0160

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0127**	**10.59**	**-.0021**	**.5290**	**.0002**	**.0029**	F **-.0447**	F **1103.**
Stddev	.0000	.01	.0001	.0006	.0003	.0005	.0003	8.
%RSD	.0188	.0518	6.515	.1048	154.1	16.56	.6428	.6997
#1	.0127	10.59	-.0020	.5286	.0005	.0026	-.0449	1108.
#2	.0127	10.60	-.0022	.5294	.0000	.0032	-.0445	1098.

Elem	Bi2230	Li6707
Avg	**-.0012**	**.0081**
Stddev	.0002	.0006
%RSD	19.53	6.812
#1	-.0014	.0085
#2	-.0010	.0077

Zoom In Zoom Out

Sample Name: jb69795-8f Acquired: 6/23/2014 22:05:57 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**196480.**	**48121.**	**3238.7**	**8321.0**
Stddev	106.	335.	.2	6.5
%RSD	.05410	.69543	.00753	.07761
#1	196400.	47885.	3238.9	8316.4
#2	196550.	48358.	3238.5	8325.6

Zoom In Zoom Out

Sample Name: jb69795-3 Acquired: 6/23/2014 22:12:20 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3843**	**-.0003**	**.0018**	**-.0010**	**.0039**	**.0206**	**6.110**	**.0049**	**-.0012**
Stddev	.0012	.0000	.0001	.0002	.0007	.0004	.049	.0012	.0010
%RSD	.3124	6.858	4.870	24.24	17.14	2.100	.8090	25.01	86.45
#1	.3852	-.0003	.0019	-.0012	.0034	.0203	6.075	.0057	-.0019
#2	.3835	-.0003	.0017	-.0008	.0044	.0209	6.145	.0040	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0013**	**.0141**	**.0016**	**.0074**	**-.0006**	**.0061**	**-.0026**	**.6143**	**520.2**
Stddev	.0001	.0000	.0025	.0000	.0003	.0004	.0013	.0260	5.9
%RSD	4.467	.2389	155.4	.4653	49.79	6.950	52.40	4.231	1.126
#1	-.0013	.0141	.0034	.0074	-.0008	.0058	-.0035	.5959	524.3
#2	-.0012	.0141	-.0002	.0073	-.0004	.0064	-.0016	.6326	516.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.598**	**118.3**	**5.794**	**1294.**	**.0613**	**-.0014**	**.0015**	**6.726**	**-.0023**
Stddev	.000	.1	.045	10.	.0010	.0004	.0012	.003	.0000
%RSD	.0040	.0439	.7706	.7542	1.575	26.14	83.73	.0399	2.060
#1	4.597	118.4	5.826	1301.	.0620	-.0016	.0024	6.728	-.0023
#2	4.598	118.3	5.763	1287.	.0607	-.0011	.0006	6.724	-.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9098**	**.0090**	**-.0033**	**-.0036**	**46.14**	**-.0004**	**.0305**
Stddev	.0007	.0012	.0028	.0002	.03	.0012	.0020
%RSD	.0786	13.49	84.69	4.768	.0719	329.7	6.553
#1	.9104	.0082	-.0013	-.0034	46.16	-.0013	.0291
#2	.9093	.0099	-.0052	-.0037	46.12	.0005	.0320

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**181790.**	**46777.**	**3100.2**	**7657.9**
Stddev	1521.	135.	.2	.2
%RSD	.83665	.28884	.00627	.00224
#1	182870.	46681.	3100.1	7658.0
#2	180720.	46873.	3100.4	7657.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 22:18:46 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.062**	**2.074**	**2.062**	**2.083**	**2.037**	**1.993**	**2.039**	**2.098**	**.2447**
Stddev	.005	.009	.000	.001	.001	.004	.004	.002	.0000
%RSD	.2438	.4230	.0203	.0339	.0435	.1906	.1992	.0727	.0190
#1	2.066	2.080	2.062	2.082	2.037	1.990	2.042	2.097	.2447
#2	2.059	2.068	2.061	2.083	2.038	1.996	2.036	2.099	.2448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.124**	**2.043**	**2.113**	**2.080**	**2.069**	**2.050**	**39.97**	**41.18**
Stddev	.002	.004	.001	.004	.001	.003	.001	.01	.10
%RSD	.0992	.2137	.0396	.1689	.0594	.1414	.0444	.0292	.2373
#1	2.000	2.127	2.042	2.115	2.081	2.071	2.049	39.98	41.11
#2	2.003	2.121	2.043	2.110	2.079	2.067	2.050	39.97	41.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.16**	**40.28**	**39.75**	**40.00**	**2.043**	**2.059**	**1.990**	**4.983**	**2.086**
Stddev	.05	.15	.03	.05	.003	.002	.004	.003	.002
%RSD	.1271	.3724	.0836	.1271	.1276	.0723	.2259	.0531	.1011
#1	41.13	40.17	39.77	40.04	2.045	2.060	1.987	4.985	2.087
#2	41.20	40.38	39.73	39.97	2.041	2.058	1.993	4.981	2.084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 22:18:46 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.114**	**2.019**	F **1.713**	**2.018**	**2.061**	**1.964**	**1.950**
Stddev	.005	.001	.038	.002	.017	.002	.004
%RSD	.2354	.0255	2.206	.1150	.8075	.1056	.1847
#1	2.118	2.019	1.687	2.017	2.073	1.963	1.952
#2	2.111	2.019	1.740	2.020	2.049	1.966	1.947
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			2.000				
Range			-10.00%				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**201300.**	**48702.**	**3354.1**	**8609.0**
Stddev	80.	178.	.7	.3
%RSD	.03971	.36468	.02224	.00348
#1	201350.	48828.	3353.6	8609.2
#2	201240.	48577.	3354.6	8608.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 22:25:04 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0005**	**.0003**	**.0003**	**.0006**	**.0004**	**.0005**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0000	.0002	.0000	.0001
%RSD	16.18	7.728	29.73	37.90	.9733	40.89	4.736	47.89
#1	.0007	.0005	.0002	.0002	.0007	.0006	.0005	.0003
#2	.0006	.0005	.0004	.0004	.0006	.0003	.0005	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0004**	**-.0042**	**.0008**	**.0004**	**.0001**	**.0006**	**-.0001**
Stddev	.0001	.0000	.0000	.0003	.0002	.0001	.0010	.0001
%RSD	31.28	2.728	.0977	40.83	60.86	100.1	164.6	56.75
#1	-.0002	.0004	-.0042	.0006	.0005	.0001	-.0001	-.0001
#2	-.0001	.0004	-.0042	.0011	.0002	.0000	.0014	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**.0240**	**.0108**	**.0094**	**.0360**	**.0553**	**.0001**	**.0012**
Stddev	.0004	.0016	.0001	.0080	.0440	.0061	.0005	.0000
%RSD	4.057	6.505	.5319	85.39	122.0	11.00	379.7	3.510
#1	.0095	.0251	.0108	.0151	.0050	.0510	.0004	.0012
#2	.0089	.0229	.0107	.0037	.0671	.0596	-.0002	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 22:25:04 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0006**	**.0000**	**.0006**	**.0002**	**.0168**	W **.0012**	W **-.0144**
Stddev	.0002	.0002	.0000	.0000	.0003	.0023	.0000	.0084
%RSD	21.42	35.02	65.44	1.345	167.8	13.84	2.958	58.14
#1	.0010	.0008	.0001	.0006	.0004	.0185	.0013	-.0085
#2	.0007	.0005	.0000	.0006	.0000	.0152	.0012	-.0203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit							.0011	.0050
Low Limit							-.0011	-.0050

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0001**	**.0000**
Stddev	.0001	.000
%RSD	115.9	512.0
#1	.0000	.0001
#2	.0002	-.0001
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**213310.**	**49641.**	**3458.2**	**8924.3**
Stddev	1287.	234.	10.6	10.4
%RSD	.60316	.47135	.30595	.11672
#1	212400.	49476.	3450.8	8917.0
#2	214220.	49807.	3465.7	8931.7

Zoom In Zoom Out

Sample Name: jb69795-3f Acquired: 6/23/2014 22:31:15 Type: Unk
Method: Accutest1(v169) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3803**	**-.0002**	**.0014**	**-.0008**	**.0018**	**.0045**	**6.049**	**.0034**	**-.0015**
Stddev	.0016	.0001	.0003	.0001	.0003	.0002	.028	.0002	.0005
%RSD	.4140	27.05	18.17	17.81	15.68	5.319	.4692	6.748	34.77
#1	.3814	-.0002	.0012	-.0009	.0020	.0046	6.029	.0032	-.0011
#2	.3791	-.0002	.0016	-.0007	.0016	.0043	6.069	.0036	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0022**	**-.0060**	**.0034**	**.0092**	**-.0002**	**.0051**	**-.0041**	**.4533**	**517.4**
Stddev	.0005	.0002	.0003	.0004	.0005	.0022	.0003	.0039	1.5
%RSD	22.22	4.064	8.304	4.336	232.6	43.41	6.422	.8630	.2945
#1	-.0025	-.0062	.0036	.0095	-.0006	.0066	-.0042	.4506	516.3
#2	-.0018	-.0058	.0032	.0089	.0001	.0035	-.0039	.4561	518.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.678**	**117.9**	**5.801**	**1302.**	**.0625**	**-.0009**	**.0014**	**6.333**	**-.0027**
Stddev	.006	.2	.013	6.	.0001	.0001	.0010	.007	.0014
%RSD	.1622	.2033	.2257	.4830	.2361	7.227	74.04	.1038	52.58
#1	3.674	117.7	5.792	1297.	.0627	-.0009	.0021	6.338	-.0038
#2	3.682	118.0	5.811	1306.	.0624	-.0008	.0007	6.329	-.0017

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9032**	**.0009**	**.0307**	**-.0019**	**45.73**	**-.0004**	**.0302**
Stddev	.0044	.0005	.0028	.0003	.04	.0009	.0016
%RSD	.4890	54.16	9.272	16.04	.0779	205.6	5.410
#1	.9064	.0012	.0327	-.0017	45.75	-.0010	.0313
#2	.9001	.0005	.0286	-.0021	45.70	.0002	.0290

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**182160.**	**46580.**	**3090.3**	**7636.7**
Stddev	157.	123.	4.6	10.7
%RSD	.08609	.26306	.14735	.14002
#1	182270.	46666.	3087.0	7629.1
#2	182050.	46493.	3093.5	7644.2

Sample Name: crid Acquired: 6/23/2014 22:43:44 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0010**	**.0010**	**.0031**	**.0023**	**.0022**	W **.0037**	**.0042**
Stddev	.0000	.0000	.0001	.0000	.0002	.0006	.0001	.0001
%RSD	.6065	1.583	13.05	1.346	7.332	27.17	1.907	1.496
#1	.0043	.0010	.0009	.0031	.0022	.0026	.0037	.0041
#2	.0043	.0010	.0011	.0030	.0025	.0018	.0038	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.0030	
Range							20.00%	

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0006**	**.0021**	**.0090**	**.0035**	F **.0012**	**.0020**	W **.0061**	**.0031**
Stddev	.0003	.0003	.0000	.0009	.0001	.0001	.0022	.0004
%RSD	48.93	12.56	.1118	24.30	6.416	5.177	35.34	12.89
#1	.0004	.0019	.0090	.0029	.0011	.0021	.0046	.0028
#2	.0008	.0023	.0090	.0041	.0012	.0020	.0077	.0034
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass
Value	.0010				.0020		.0050	
Range	-30.00%				-30.00%		20.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1066**	**1.088**	**.0021**	**.1131**	**2.061**	**1.103**	**.0088**	**.0000**
Stddev	.0008	.004	.0001	.0021	.042	.031	.0000	.0002
%RSD	.7450	.4142	3.772	1.894	2.059	2.770	.2943	3984.
#1	.1072	1.084	.0022	.1146	2.091	1.082	.0088	-.0001
#2	.1061	1.091	.0021	.1116	2.031	1.125	.0088	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Sample Name: crid Acquired: 6/23/2014 22:43:44 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0010**	**.0002**	**.0000**	**-.0002**	F **-.0014**	F **.0001**	F **-.0420**
Stddev	.0001	.0001	.0004	.0000	.0003	.0001	.0000	.0029
%RSD	24.22	8.749	150.8	136.6	121.8	5.585	5.539	6.851
#1	.0003	-.0009	.0000	.0000	-.0004	-.0014	.0001	-.0400
#2	.0004	-.0011	.0005	.0000	.0000	-.0013	.0001	-.0440
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0002**	F **.0002**
Stddev	.0002	.0004
%RSD	140.4	226.2
#1	.0000	-.0001
#2	.0003	.0004
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**209910.**	**48584.**	**3460.9**	**8908.9**
Stddev	3531.	266.	.7	6.1
%RSD	1.6820	.54810	.02051	.06887
#1	207410.	48396.	3461.4	8904.5
#2	212400.	48773.	3460.4	8913.2

Sample Name: cri Acquired: 6/23/2014 22:49:57 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2097**	**.0022**	**.0032**	**.0526**	**.0109**	**.0100**	**.0161**	**.0108**
Stddev	.0002	.0000	.0001	.0001	.0001	.0001	.0000	.0001
%RSD	.1094	1.506	1.710	.2233	1.266	.6833	.2178	1.029
#1	.2098	.0022	.0032	.0527	.0108	.0100	.0161	.0108
#2	.2095	.0022	.0032	.0526	.0110	.0099	.0160	.0109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.0541**	**.0183**	**.0091**	**.0100**	**.0029**	W **.0123**	**.0064**
Stddev	.0004	.0001	.0000	.0002	.0011	.0006	.0007	.0006
%RSD	8.523	.2049	.0688	2.360	10.62	20.20	5.334	9.420
#1	.0047	.0542	.0184	.0092	.0107	.0025	.0119	.0068
#2	.0053	.0540	.0183	.0089	.0092	.0033	.0128	.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.0100	
Range							20.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2112**	**5.220**	**.1102**	**5.347**	**4.994**	**5.048**	**.1023**	**.0210**
Stddev	.0094	.003	.0012	.009	.020	.002	.0003	.0001
%RSD	4.457	.0576	1.127	.1684	.3934	.0302	.2851	.4794
#1	.2178	5.223	.1093	5.341	5.008	5.049	.1026	.0209
#2	.2045	5.218	.1111	5.354	4.981	5.047	.1021	.0210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: cri Acquired: 6/23/2014 22:49:57 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0476**	**.2023**	**.0099**	**.0109**	**.0100**	**.0494**	**.0100**	F **.0015**
Stddev	.0002	.0006	.0001	.0000	.0001	.0003	.0000	.0005
%RSD	.4097	.3088	.7985	.4269	.9204	.5548	.3063	31.00
#1	.0474	.2028	.0100	.0110	.0100	.0492	.0101	.0012
#2	.0477	.2019	.0098	.0109	.0101	.0496	.0100	.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value								.0500
Range								-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0205**	**.0204**
Stddev	.0004	.0003
%RSD	1.814	1.512
#1	.0208	.0201
#2	.0203	.0206
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**208220.**	**48905.**	**3450.3**	**8871.4**
Stddev	928.	102.	4.1	6.5
%RSD	.44549	.20854	.11770	.07375
#1	208880.	48977.	3453.2	8876.0
#2	207570.	48832.	3447.5	8866.7

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 22:56:13 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0010**	**.0010**	**.0031**	**.0023**	**.0018**	**.0033**	**.0041**
Stddev	.0001	.0000	.0000	.0001	.0001	.0003	.0000	.0001
%RSD	1.316	2.454	3.970	2.686	2.897	15.70	.1551	1.535
#1	.0044	.0010	.0010	.0030	.0024	.0020	.0033	.0042
#2	.0043	.0010	.0011	.0031	.0023	.0016	.0033	.0041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0020**	**.0091**	**.0029**	**.0017**	**.0023**	**.0057**	F **.0017**
Stddev	.0002	.0001	.0000	.0007	.0005	.0008	.0016	.0006
%RSD	32.32	4.995	.3394	24.67	31.25	34.04	27.95	34.27
#1	.0005	.0020	.0091	.0034	.0013	.0017	.0046	.0021
#2	.0008	.0021	.0090	.0024	.0021	.0028	.0068	.0013
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value	.0010							.0030
Range	-30.00%							-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1054**	**1.072**	**.0022**	**.1080**	**2.047**	**1.053**	**.0087**	**.0000**
Stddev	.0005	.002	.0014	.0117	.025	.014	.0002	.000
%RSD	.4536	.1443	66.97	10.80	1.221	1.362	2.255	347.1
#1	.1058	1.071	.0011	.0998	2.029	1.043	.0085	.0000
#2	.1051	1.073	.0032	.1163	2.064	1.063	.0088	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 6/23/2014 22:56:13 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0014**	**-.0005**	**.0000**	**.0000**	F **-.0017**	F **.0000**	F **-.0450**
Stddev	.0007	.0006	.0001	.000	.000	.0003	.000	.0026
%RSD	416.0	44.15	23.55	21.26	4967.	18.59	58.02	5.888
#1	.0003	-.0018	-.0005	.0000	-.0001	-.0019	.0000	-.0431
#2	-.0007	-.0010	-.0004	.0000	.0001	-.0014	.0000	-.0468
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0004**	F **-.0005**
Stddev	.0005	.0004
%RSD	123.4	77.82
#1	-.0008	-.0008
#2	-.0001	-.0002
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**211310.**	**48465.**	**3465.4**	**8916.0**
Stddev	64.	12.	3.4	7.5
%RSD	.03009	.02435	.09767	.08409
#1	211350.	48457.	3463.0	8910.7
#2	211260.	48473.	3467.8	8921.3

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 23:02:22 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0000**	**.0029**	**-.0015**	**-.0008**	**-.0068**	**.0039**	**-.0022**	**.0022**
Stddev	.0001	.000	.0000	.0000	.0001	.0007	.0002	.0001	.0015
%RSD	16.85	54.20	.7294	2.285	8.469	10.88	5.811	2.887	67.03
#1	-.0003	.0000	.0029	-.0015	-.0008	-.0063	.0041	-.0022	.0033
#2	-.0004	-.0001	.0029	-.0016	-.0007	-.0074	.0037	-.0023	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0041**	**.0023**	**.0022**	**-.0018**	**.0020**	**.0000**	**498.6**	**377.9**
Stddev	.0003	.0002	.0009	.0006	.0002	.0016	.0021	10.6	1.3
%RSD	165.7	4.470	39.11	29.21	12.85	80.76	6673.	2.127	.3507
#1	.0000	-.0043	.0017	.0026	-.0016	.0032	-.0014	506.1	378.9
#2	.0003	-.0040	.0030	.0017	-.0019	.0009	.0015	491.1	377.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**182.9**	**521.1**	**.0452**	**.0216**	**-.0014**	**-.0024**	**-.0046**	**.0142**	**-.0020**
Stddev	2.2	5.9	.0313	.0011	.0003	.0001	.0002	.0004	.0004
%RSD	1.200	1.141	69.19	5.135	19.25	3.062	3.668	3.130	19.87
#1	184.4	525.4	.0231	.0224	-.0012	-.0024	-.0045	.0145	-.0023
#2	181.3	516.9	.0673	.0208	-.0016	-.0023	-.0047	.0139	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/23/2014 23:02:22 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0060**	**.0007**	**.0033**	**-.0014**	**.0028**	**.0030**	**.0066**
Stddev	.0000	.0002	.0001	.0001	.0042	.0009	.0005
%RSD	.0453	23.04	2.547	6.160	151.0	29.03	7.351
#1	-.0060	.0008	.0033	-.0015	.0058	.0037	.0069
#2	-.0060	.0006	.0034	-.0014	-.0002	.0024	.0062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**184840.**	**47315.**	**3110.8**	**7877.0**
Stddev	40.	707.	.2	3.3
%RSD	.02156	1.4936	.00716	.04165
#1	184870.	46815.	3111.0	7879.3
#2	184810.	47815.	3110.7	7874.7

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 23:08:42 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5079**	**.5144**	**1.038**	**.4905**	**.4766**	**.5137**	**.5072**	**.9974**	**1.024**
Stddev	.0047	.0047	.001	.0001	.0023	.0008	.0018	.0003	.001
%RSD	.9170	.9048	.0945	.0170	.4767	.1462	.3647	.0328	.1319
#1	.5046	.5111	1.038	.4906	.4782	.5142	.5085	.9971	1.025
#2	.5112	.5177	1.037	.4904	.4750	.5132	.5059	.9976	1.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4892**	**1.009**	**1.098**	**1.002**	**.9671**	**1.098**	**1.047**	**502.2**	**375.9**
Stddev	.0012	.000	.000	.001	.0005	.005	.001	.4	3.5
%RSD	.2453	.0402	.0393	.0973	.0498	.4487	.0562	.0704	.9388
#1	.4900	1.009	1.097	1.003	.9675	1.094	1.048	502.4	373.4
#2	.4884	1.008	1.098	1.001	.9668	1.101	1.047	501.9	378.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**188.3**	**526.2**	**.0521**	**.0169**	**-.0025**	**.5119**	**.5433**	**.0053**	**-.0007**
Stddev	.7	4.4	.0213	.0046	.0000	.0006	.0005	.0012	.0002
%RSD	.3598	.8378	40.84	27.21	1.829	.1104	.0960	22.22	35.01
#1	187.8	523.1	.0672	.0201	-.0025	.5123	.5437	.0061	-.0009
#2	188.7	529.3	.0371	.0136	-.0025	.5115	.5429	.0045	-.0005
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/23/2014 23:08:42 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0059**	**.0011**	**.5114**	**.5824**	**.5072**	**.5506**	**.5262**
Stddev	.0000	.0001	.0010	.0005	.0012	.0001	.0049
%RSD	.7182	9.248	.1895	.0940	.2427	.0222	.9354
#1	-.0059	.0012	.5121	.5828	.5080	.5506	.5228
#2	-.0059	.0010	.5108	.5821	.5063	.5505	.5297
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**184810.**	**46936.**	**3108.9**	**7897.1**
Stddev	498.	155.	3.2	7.0
%RSD	.26955	.33079	.10246	.08892
#1	184460.	47045.	3106.6	7892.1
#2	185170.	46826.	3111.1	7902.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 23:15:00 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.069**	**2.110**	**2.063**	**2.084**	**2.021**	**1.967**	**2.039**	**2.109**	**.2435**
Stddev	.002	.001	.004	.004	.033	.028	.033	.004	.0036
%RSD	.0810	.0391	.2018	.1739	1.642	1.400	1.616	.1713	1.497
#1	2.068	2.111	2.060	2.081	1.997	1.947	2.016	2.106	.2409
#2	2.070	2.110	2.066	2.086	2.044	1.986	2.062	2.111	.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.982**	**2.140**	**2.064**	**2.116**	**2.082**	**2.084**	**2.047**	**40.36**	**41.66**
Stddev	.032	.002	.004	.003	.006	.006	.005	.05	.07
%RSD	1.637	.1094	.1746	.1566	.2770	.3110	.2413	.1306	.1701
#1	1.959	2.139	2.061	2.113	2.078	2.080	2.044	40.40	41.71
#2	2.005	2.142	2.066	2.118	2.086	2.089	2.051	40.32	41.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.56**	**40.85**	**39.76**	**39.91**	**2.048**	**2.069**	**1.969**	**5.004**	**2.087**
Stddev	.03	.13	.09	.07	.006	.005	.033	.017	.005
%RSD	.0759	.3091	.2223	.1763	.3076	.2433	1.671	.3289	.2433
#1	41.58	40.94	39.82	39.96	2.043	2.066	1.946	4.993	2.083
#2	41.53	40.76	39.70	39.86	2.052	2.073	1.992	5.016	2.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/23/2014 23:15:00 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.061**	**2.009**	**1.812**	**2.010**	**2.010**	**1.971**	**1.947**
Stddev	.011	.032	.040	.035	.006	.005	.000
%RSD	.5173	1.610	2.180	1.740	.3237	.2766	.0069
#1	2.053	1.986	1.784	1.985	2.005	1.967	1.947
#2	2.068	2.032	1.840	2.034	2.014	1.975	1.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**202600.**	**48227.**	**3352.5**	**8602.6**
Stddev	3119.	298.	10.3	20.7
%RSD	1.5394	.61706	.30772	.24071
#1	204810.	48016.	3359.7	8617.2
#2	200400.	48437.	3345.2	8587.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 23:21:19 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0007**	**.0004**	**.0004**	**.0007**	**.0006**	**.0006**	**.0002**
Stddev	.0003	.0001	.0001	.0002	.0001	.0001	.0000	.0000
%RSD	31.49	7.835	17.96	64.45	19.89	13.88	1.851	14.34
#1	.0007	.0008	.0004	.0005	.0008	.0007	.0007	.0001
#2	.0011	.0007	.0003	.0002	.0006	.0006	.0006	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0007**	**-.0046**	**.0016**	**-.0001**	**-.0003**	**-.0008**	**-.0002**
Stddev	.0002	.0000	.0001	.0002	.0004	.0004	.0011	.0008
%RSD	43.05	5.503	1.917	12.68	474.8	140.5	136.6	463.3
#1	-.0005	.0007	-.0046	.0017	.0002	.0000	.0000	.0004
#2	-.0002	.0007	-.0047	.0014	-.0004	-.0005	-.0016	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0610**	**.0577**	W **.0345**	**.0649**	**.0414**	**.0150**	**.0002**	**.0014**
Stddev	.0058	.0046	.0034	.0026	.0146	.0069	.0001	.0002
%RSD	9.466	7.978	9.860	4.018	35.37	46.21	23.08	15.60
#1	.0651	.0610	.0369	.0667	.0310	.0199	.0003	.0016
#2	.0569	.0544	.0321	.0630	.0518	.0101	.0002	.0013
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0250		.0184					
Low Limit	-.0250		-.0184					

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/23/2014 23:21:19 Type: QC
Method: Accutest1(v169) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0002**	**.0005**	**.0007**	**.0004**	W **.0271**	W **.0019**	F **-.0532**
Stddev	.0006	.0005	.0000	.0001	.0001	.0018	.0000	.0008
%RSD	53.19	252.5	6.320	9.500	23.33	6.667	2.403	1.569
#1	.0007	.0005	.0005	.0008	.0004	.0284	.0019	-.0526
#2	.0016	-.0002	.0005	.0007	.0003	.0258	.0019	-.0538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail
High Limit						.0266	.0011	.0500
Low Limit						-.0266	-.0011	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0004**	**.0000**
Stddev	.0005	.0006
%RSD	116.6	7092.
#1	.0007	.0004
#2	.0001	-.0004
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**210850.**	**48660.**	**3478.8**	**8941.7**
Stddev	188.	8.	2.0	7.2
%RSD	.08932	.01588	.05612	.07999
#1	210980.	48665.	3480.2	8946.8
#2	210710.	48654.	3477.4	8936.7

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
				Al	0.000000	0.000000	No
				Zr	0.001080	0.000000	No
	Be 313.042 {108}	1	13	V	0.001199	0.000000	No
				Mo	-0.000037	0.000000	No
				Ti	-0.000287	0.000000	No
				Mn	0.000027	0.000000	No
				Ba	0.000015	0.000000	No
				Co	-0.000020	0.000000	No
				Ni	0.000004	0.000000	No
				Ca	0.000000	0.000000	No
				Cu	0.000034	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	0.000000	0.000000	No
				Cd	0.000050	0.000000	No
				W	0.000000	0.000000	No
	Cd 228.802 {448}	1	13	As	0.017000	0.000000	No
				Ni	-0.000178	0.000000	No
				Fe	-0.000005	0.000000	No
				V	0.000050	0.000000	No
				Ba	-0.000047	0.000000	No
				Co	-0.000950	0.000000	No
				Sr	0.000100	0.000000	No
				Ca	-0.000003	0.000000	No
				Mn	-0.000021	0.000000	No
				Cr	0.000025	0.000000	No
				Si	-0.000005	0.000000	No
				Cu	-0.000026	0.000000	No
				Al	0.000000	0.000000	No
	Co 228.616 {448}	1	10	Fe	0.000006	0.000000	No
				Cr	-0.000100	0.000000	No
				Mo	-0.001900	0.000000	No
				Ni	0.000256	0.000000	No
				Ti	0.001639	0.000000	No
				Ba	0.000062	0.000000	No
				W	0.000000	0.000000	No
				Cd	-0.000060	0.000000	No
				Si	0.000000	0.000000	No
				Ca	0.000000	0.000000	No
	Cr 267.716 {126}	1	15	Mn	0.000402	0.000000	No
				V	0.000080	0.000000	No
				Mo	0.000018	0.000000	No
				Fe	-0.000009	0.000000	No
				Cd	-0.000050	0.000000	No
				Al	0.000001	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	0.000000	0.000000	No
				Ti	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Ba	-0.000005	0.000000	No
				Cu	0.000100	0.000000	No
				Sr	0.000000	0.000000	No
				W	0.004000	0.000000	No
				Zr	0.000280	0.000000	No
	Cu 324.754 {104}2	1	22	Cr	0.000016	0.000000	No
				V	-0.000283	0.000000	No
				Mo	0.000406	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	-0.000100	0.000000	No
				Fe	-0.000115	0.000000	No
				Al	0.000002	0.000000	No
				Sn	-0.000097	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000317	0.000000	No
				Zr	0.000000	0.000000	No
				Si	0.000009	0.000000	No
				Mn	-0.000080	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000060	0.000000	No
				Sb	0.000000	0.000000	No
				Mg	0.000002	0.000000	No
				Ca	-0.000001	0.000000	No
				Bi	0.000000	0.000000	No
				W	0.000000	0.000000	No
				K	0.000000	0.000000	No
	Mn 257.610 {131}	1	8	Fe	-0.000101	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000100	0.000000	No
				As	0.000001	0.000000	No
				Ca	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Cr	-0.000100	0.000000	No
	Ni 231.604 {446}	1	19	Fe	0.000017	0.000000	No
				Zn	0.000079	0.000000	No
				Be	0.000213	0.000000	No
				Co	0.000080	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000001	0.000000	No
				Mo	0.000485	0.000000	No
				V	0.000011	0.000000	No
				Cu	0.000050	0.000000	No
				Se	0.000100	0.000000	No
				Al	0.000003	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	-0.000002	0.000000	No
				Ti	-0.000040	0.000000	No
				Mn	-0.000080	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	1	14	Mn	0.000211	0.000000	No
				Mo	-0.000098	0.000000	No
				Ti	-0.000830	0.000000	No
				Fe	-0.000509	0.000000	No
				V	-0.000040	0.000000	No
				Zn	-0.000080	0.000000	No
				Ca	0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Sr	-0.000024	0.000000	No
				Mg	0.000001	0.000000	No
				Zr	0.005800	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Si	-0.000021	0.000000	No
				Ba	0.000006	0.000000	No
				K	0.000000	0.000000	No
	V 292.402 {115}	1	7	Ti	0.000630	0.000000	No
				Mo	-0.013100	0.000000	No
				Fe	0.000011	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.002600	0.000000	No
				Mn	-0.000200	0.000000	No
				Zr	0.000170	0.000000	No
	Zn 206.200 {464}	1	20	Cr	-0.001125	0.000000	No
				Mo	0.000260	0.000000	No
				Fe	-0.000008	0.000000	No
				Si	0.000065	0.000000	No
				Mn	0.000350	0.000000	No
				Ba	-0.000060	0.000000	No
				Na	0.000003	0.000000	No
				Ca	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Sn	0.000255	0.000000	No
				Cu	-0.000774	0.000000	No
				As	0.000500	0.000000	No
				Be	0.000364	0.000000	No
				Pd	0.000280	0.000000	No
				Ti	-0.000080	0.000000	No
				Al	0.000005	0.000000	No
				Zr	0.000000	0.000000	No
				Bi	-0.003364	0.000000	No
				W	0.060000	0.000000	No
				K	0.000000	0.000000	No
	As 189.042 {478}	1	23	Al	0.000003	0.000000	No
				Fe	-0.000018	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	0.000090	0.000000	No
				Mo	0.000040	0.000000	No
				Cr	0.000250	0.000000	No
				V	0.000095	0.000000	No
				Co	-0.001500	0.000000	No
				Ba	-0.000067	0.000000	No
				Sn	-0.000037	0.000000	No
				Cd	-0.000228	0.000000	No
				Tl	0.000030	0.000000	No
				Be	-0.000007	0.000000	No
				Mg	-0.000000	0.000000	No
				Si	-0.000195	0.000000	No
				Zn	0.000115	0.000000	No
				Sr	0.000100	0.000000	No
				Pd	0.031510	0.000000	No
				Zr	-0.000411	0.000000	No
				Ti	-0.000070	0.000000	No
				W	0.000000	0.000000	No
				S	-0.000040	0.000000	No
				K	0.000000	0.000000	No
	Tl 190.856 {477}	1	29	Cr	0.000421	0.000000	No
				Mo	-0.008900	0.000000	No
				Al	-0.000002	0.000000	No
				Fe	-0.000098	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				V	-0.028200	0.000000	No
				Mn	0.000800	0.000000	No
				Ca	-0.000006	0.000000	No
				Ti	-0.001400	0.000000	No
				Mg	-0.000002	0.000000	No
				Co	0.003472	0.000000	No
				Sr	-0.000400	0.000000	No
				B	-0.000025	0.000000	No
				Ba	0.000000	0.000000	No
				Zn	0.000100	0.000000	No
				As	-0.000020	0.000000	No
				W	0.000000	0.000000	No
				Ni	0.000090	0.000000	No
				Cu	-0.000125	0.000000	No
				Zr	0.000000	0.000000	No
				Pd	0.000185	0.000000	No
				Pb	-0.000600	0.000000	No
				S	0.000039	0.000000	No
				Ag	0.000250	0.000000	No
				Be	0.000000	0.000000	No
				Sn	-0.000023	0.000000	No
				K	0.000000	0.000000	No
				Cd	-0.000240	0.000000	No
				Si	-0.000058	0.000000	No
				Na	-0.000001	0.000000	No
	Pb 220.353 {453}	1	23	Al	-0.000111	0.000000	No
				Fe	0.000035	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000033	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.000650	0.000000	No
				Cu	-0.000031	0.000000	No
				V	0.000068	0.000000	No
				Co	0.000073	0.000000	No
				Ti	-0.000200	0.000000	No
				Si	-0.000042	0.000000	No
				Ba	-0.000010	0.000000	No
				Sb	0.000150	0.000000	No
				K	0.000000	0.000000	No
				Sr	0.000140	0.000000	No
				W	-0.010000	0.000000	No
				Mg	0.000002	0.000000	No
				Cd	-0.000018	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.001000	0.000000	No
				Ni	0.000050	0.000000	No
				S	-0.000010	0.000000	No
				Bi	0.000000	0.000000	No
	Se 196.090 {472}	1	22	Al	0.000006	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	0.000223	0.000000	No
				Mo	-0.000119	0.000000	No
				Fe	-0.000248	0.000000	No
				Co	-0.000330	0.000000	No
				V	-0.000200	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000007	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	0.060000	0.000000	No
				Si	0.000011	0.000000	No
				Tl	0.000204	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	0.000100	0.000000	No
				B	0.000025	0.000000	No
				Pd	0.000700	0.000000	No
				Ti	-0.000017	0.000000	No
				Cd	0.000090	0.000000	No
				Zr	-0.004300	0.000000	No
				Ba	0.000040	0.000000	No
				Mg	-0.000002	0.000000	No
				S	-0.000010	0.000000	No
	Sb 206.833 {463}	1	14	Fe	-0.000010	0.000000	No
				Al	0.000006	0.000000	No
				Ca	-0.000001	0.000000	No
				Ni	-0.000856	0.000000	No
				Cr	0.016327	0.000000	No
				V	-0.004530	0.000000	No
				Zn	0.000188	0.000000	No
				Mo	0.000250	0.000000	No
				Ti	0.000100	0.000000	No
				Sn	-0.015500	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000003	0.000000	No
				Zr	-0.000300	0.000000	No
				Sr	0.000031	0.000000	No
	Al 396.152 { 85}	1	4	Si	0.000350	0.000000	No
				Ca	-0.000265	0.000000	No
				Mo	0.039000	0.000000	No
				Zr	-0.008158	0.000000	No
	Ca 317.933 {106}	1	18	Fe	0.000120	0.000000	No
				Ti	0.000000	0.000000	No
				W	0.003960	0.000000	No
				Tl	0.004955	0.000000	No
				Be	0.001840	0.000000	No
				Ba	-0.001500	0.000000	No
				Cu	0.004200	0.000000	No
				Cd	0.003700	0.000000	No
				Ni	0.001859	0.000000	No
				Pd	0.004700	0.000000	No
				Mn	0.000000	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.005000	0.000000	No
				Co	-0.000920	0.000000	No
				Cr	0.004000	0.000000	No
				Al	0.000026	0.000000	No
				As	0.010000	0.000000	No
				Pb	0.002000	0.000000	No
	Fe 259.940 {130}	1	13	Co	0.000200	0.000000	No
				Si	-0.001181	0.000000	No
				Tl	-0.002562	0.000000	No
				Se	0.000000	0.000000	No
				Cr	-0.000360	0.000000	No
				Mn	-0.002000	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000085	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				K	-0.000200	0.000000	No
				Zn	0.000080	0.000000	No
				Ti	-0.000631	0.000000	No
				Ca	0.000020	0.000000	No
				Ba	0.001000	0.000000	No
	Mg 279.079 {121}	1	3	Mo	-0.016250	0.000000	No
				W	0.000000	0.000000	No
				Mn	-0.005360	0.000000	No
	K 766.490 { 44}	1	12	Fe	-0.000715	0.000000	No
				Al	0.000032	0.000000	No
				Ca	-0.000012	0.000000	No
				Mn	0.001430	0.000000	No
				Si	-0.003000	0.000000	No
				V	-0.002360	0.000000	No
				Pd	0.004000	0.000000	No
				Sn	-0.004700	0.000000	No
				Ba	-0.002700	0.000000	No
				Mo	-0.000850	0.000000	No
				Cu	-0.010000	0.000000	No
				Ni	-0.000500	0.000000	No
	Na 589.592 { 57}	1	6	K	-0.000560	0.000000	No
				Ba	0.000900	0.000000	No
				Ca	-0.000034	0.000000	No
				Al	0.000040	0.000000	No
				V	0.000000	0.000000	No
				Cr	0.000000	0.000000	No
	B 208.959 {462}	1	1	Mo	0.041150	0.000000	No
	Mo 202.030 {467}	1	6	Co	0.000000	0.000000	No
				Al	0.000000	0.000000	No
				Fe	-0.000010	0.000000	No
				Mg	-0.000001	0.000000	No
				Ca	0.000003	0.000000	No
				W	0.000576	0.000000	No
	Pd 340.458 { 99}	1	10	Ti	-0.000684	0.000000	No
				V	-0.000048	0.000000	No
				Sn	-0.000006	0.000000	No
				Fe	-0.000060	0.000000	No
				Mo	-0.000320	0.000000	No
				Co	-0.005883	0.000000	No
				Ca	-0.000021	0.000000	No
				S	-0.000017	0.000000	No
				Si	-0.000040	0.000000	No
				Zr	-0.157000	0.000000	No
	Si 212.412 {459}	1	19	Sr	0.000366	0.000000	No
				Ni	0.000106	0.000000	No
				Mo	0.027230	0.000000	No
				V	-0.000190	0.000000	No
				Ti	0.043950	0.000000	No
				Al	0.000049	0.000000	No
				Cd	0.008630	0.000000	No
				Ba	0.000000	0.000000	No
				Fe	0.000129	0.000000	No
				Sn	0.007000	0.000000	No
				Zn	0.000385	0.000000	No
				As	0.002500	0.000000	No
				Mg	-0.000185	0.000000	No
				W	-0.007198	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ca	0.000078	0.000000	No
				Cr	0.001600	0.000000	No
				Mn	0.001000	0.000000	No
				Zr	0.000540	0.000000	No
				B	0.001900	0.000000	No
	Sn 189.989 {478}	1	6	Ti	-0.002020	0.000000	No
				Mo	0.000011	0.000000	No
				Fe	0.000018	0.000000	No
				Mn	0.000001	0.000000	No
				Si	0.000131	0.000000	No
				Al	-0.000004	0.000000	No
	Sr 407.771 { 83}	1	2	Fe	0.000000	0.000000	No
				Ca	0.000047	0.000000	No
	Ti 334.904 {101}	1	4	Cr	0.000204	0.000000	No
				Mo	0.000870	0.000000	No
				Si	0.000035	0.000000	No
				Ca	0.000005	0.000000	No
	Y 360.073 { 94}*	1	None				
	Y 371.030 { 91}*	1	None				
	Y 224.306 {451}*	1	None				
	In 230.606 {446}*	1	None				
	W 207.911 {462}	1	27	Al	0.000005	0.000000	No
				Si	-0.000117	0.000000	No
				Ca	-0.000004	0.000000	No
				Fe	-0.000039	0.000000	No
				As	-0.000220	0.000000	No
				Mg	-0.000005	0.000000	No
				Mn	-0.000070	0.000000	No
				Mo	0.000710	0.000000	No
				Ti	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				V	0.001000	0.000000	No
				Cd	-0.000650	0.000000	No
				Cr	-0.000001	0.000000	No
				Zn	0.009921	0.000000	No
				Pd	0.000000	0.000000	No
				Sn	-0.000500	0.000000	No
				Zr	-0.001000	0.000000	No
				B	0.000000	0.000000	No
				Sb	0.000000	0.000000	No
				Co	-0.002830	0.000000	No
				Ni	0.000000	0.000000	No
				Be	-0.001000	0.000000	No
				Se	0.000000	0.000000	No
				Cu	-0.002860	0.000000	No
				Ba	0.000000	0.000000	No
				Tl	0.000000	0.000000	No
				Pb	0.000000	0.000000	No
	Zr 339.198 { 99}	1	10	Mo	0.000250	0.000000	No
				Ti	0.000000	0.000000	No
				Fe	-0.000068	0.000000	No
				Si	0.000125	0.000000	No
				S	0.000039	0.000000	No
				Pd	0.000000	0.000000	No
				Be	-0.000500	0.000000	No
				Bi	0.000000	0.000000	No
				Ba	0.000700	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ag	0.000000	0.000000	No
	S 182.034 {485}	1	7	Ca	0.000065	0.000000	No
				Mo	0.000000	0.000000	No
				Al	-0.000129	0.000000	No
				Fe	-0.000043	0.000000	No
				Mn	0.003160	0.000000	No
				Mg	0.000004	0.000000	No
				Ti	-0.005300	0.000000	No
	Bi 223.061 {451}	1	4	Fe	0.000035	0.000000	No
				Ti	-0.002890	0.000000	No
				V	-0.000680	0.000000	No
				Cr	0.001100	0.000000	No
	Li 670.784 { 50}	1	1	Mg	0.000006	0.000000	No

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000785	1.422937	0.000000	1.000000
	Be 313.042 {108}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000421	2.578555	0.000000	1.000000
	Cd 228.802 {448}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000524	1.151708	0.000000	1.000000
	Co 228.616 {448}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000143	0.496121	0.000000	1.000000
	Cr 267.716 {126}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000038	0.081695	0.000000	1.000000
	Cu 324.754 {104}2	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.003600	0.219328	0.000000	1.000000
	Mn 257.610 {131}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000028	0.479626	0.000000	1.000000
	Ni 231.604 {446}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000174	0.380531	0.000000	1.000000
	Ag 328.068 {103}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000100	0.125986	0.000000	1.000000
	V 292.402 {115}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000044	0.131331	0.000000	1.000000
	Zn 206.200 {464}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.004002	1.074943	0.000000	1.000000
	As 189.042 {478}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000316	0.174076	0.000000	1.000000
	Tl 190.856 {477}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000253	0.052396	0.000000	1.000000
	Pb 220.353 {453}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000171	0.167375	0.000000	1.000000
	Se 196.090 {472}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000243	0.111032	0.000000	1.000000
	Sb 206.833 {463}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000408	0.233218	0.000000	1.000000
	Al 396.152 { 85}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000135	0.022868	0.000000	1.000000
	Ca 317.933 {106}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.005739	0.073237	0.000000	1.000000
	Fe 259.940 {130}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000016	0.046362	0.000000	1.000000
	Mg 279.079 {121}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000034	0.006792	0.000000	1.000000
	K 766.490 { 44}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.004165	0.013577	0.000000	1.000000
	Na 589.592 { 57}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000791	0.049496	0.000000	1.000000
	B 208.959 {462}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000587	0.243413	0.000000	1.000000
	Mo 202.030 {467}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000349	1.025550	0.000000	1.000000
	Pd 340.458 { 99}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000140	0.054474	0.000000	1.000000
	Si 212.412 {459}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.004588	0.283084	0.000000	1.000000
	Sn 189.989 {478}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.000163	0.207798	0.000000	1.000000
	Sr 407.771 { 83}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000565	2.412267	0.000000	1.000000
	Ti 334.904 {101}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000084	0.141312	0.000000	1.000000
	Y 360.073 { 94}*	6/17/2014 18:19:07	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	6/17/2014 18:19:12	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	6/17/2014 18:19:16	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	6/17/2014 18:19:20	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.002356	0.479663	0.000000	1.000000
	Zr 339.198 { 99}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000205	0.285381	0.000000	1.000000
	S 182.034 {485}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.005722	0.098321	0.000000	1.000000
	Bi 223.061 {451}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	-0.000770	0.317604	0.000000	1.000000
	Li 670.784 { 50}	6/23/2014 10:16:24	6/23/2014 10:16:24	Linear	1/Conc	0.001421	0.360699	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000160	0.000533	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000041	0.000138	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000162	0.000539	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000233	0.000776	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000306	0.001020	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000285	0.000949	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000046	0.000153	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000274	0.000913	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000416	0.001388	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000254	0.000848	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000146	0.000486	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000793	0.002643	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001099	0.003664	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.000897	0.002992	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001587	0.005290	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.000946	0.003153	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007856	0.026186	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.001642	0.005472	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.001308	0.004359	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.011543	0.038477	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.027264	0.090880	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.006863	0.022878	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000570	0.001900	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000187	0.000623	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.000888	0.002959	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000766	0.002554	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000585	0.001952	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000066	0.000219	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000341	0.001137	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.000801	0.002669	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000157	0.000522	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.001534	0.005114	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000964	0.003212	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000984	0.003281	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/25/2014 12:19:14 Type: Cal
Method: Accutest1(v199) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0022**	**.0003**	**.0005**	**-.0003**	**.0000**	**.0046**	**.0000**	**.0003**	**.0004**
Stddev	.0002	.0000	.0001	.0000	.0000	.0001	.0000	.0001	.0000
%RSD	7.737	4.156	16.53	14.98	34.08	1.162	6.097	21.35	6.242
#1	.0021	.0003	.0005	-.0002	.0000	.0045	.0000	.0004	.0004
#2	.0023	.0003	.0006	-.0003	.0000	.0046	.0000	.0003	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0003**	**.0008**	**-.0002**	**-.0003**	**.0008**	**-.0012**	**.0006**	**.0035**
Stddev	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0002	.0002
%RSD	9.028	5.858	4.615	7.161	.0744	.3508	1.897	25.90	4.917
#1	-.0001	.0002	.0007	-.0002	-.0003	.0008	-.0012	.0007	.0036
#2	-.0001	.0003	.0008	-.0002	-.0003	.0008	-.0013	.0005	.0033

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0001**	**.0019**	**.0030**	**.0006**	**.0024**	**-.0001**	**.0035**	**.0004**
Stddev	.0000	.0000	.0001	.0006	.0002	.0003	.0000	.0002	.0001
%RSD	20.21	61.54	3.281	18.61	24.85	10.52	78.26	6.535	25.77
#1	.0000	.0000	.0019	.0026	.0005	.0026	-.0001	.0037	.0003
#2	.0000	-.0001	.0020	.0035	.0007	.0023	.0000	.0034	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0002**	**.0131**	**-.0001**	**.0001**	**-.0003**	**-.0014**
Stddev	.0001	.0000	.0001	.0000	.0000	.0003	.0001
%RSD	37.79	15.56	.6364	7.681	15.46	100.9	7.654
#1	-.0003	-.0002	.0130	-.0001	.0001	-.0004	-.0013
#2	-.0002	-.0002	.0131	-.0001	.0002	-.0001	-.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84387.**	**15711.**	**1929.9**	**6442.9**
Stddev	223.	63.	6.3	11.9
%RSD	.26417	.40222	.32710	.18457
#1	84544.	15666.	1934.4	6451.3
#2	84229.	15756.	1925.5	6434.5

Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/25/2014 12:25:31 Type: Cal
Method: Accutest1(v199) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.18**	**11.41**	**4.711**	**1.542**	**.3774**	**1.431**	**.7581**	**.9629**	**.0690**
Stddev	.00	.02	.002	.001	.0011	.000	.0013	.0002	.0001
%RSD	.0283	.2045	.0423	.0717	.2816	.0222	.1751	.0166	.2104
#1	11.18	11.40	4.710	1.541	.3766	1.431	.7571	.9631	.0689
#2	11.18	11.43	4.712	1.543	.3781	1.432	.7590	.9628	.0691

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7389**	**3.230**	**.6451**	**.1647**	**.5335**	**.4193**	**.8633**	**3.304**	**4.941**
Stddev	.0011	.006	.0007	.0002	.0003	.0001	.0011	.004	.023
%RSD	.1509	.1921	.1027	.1463	.0473	.0165	.1286	.1140	.4701
#1	.7382	3.226	.6446	.1645	.5333	.4192	.8626	3.306	4.925
#2	.7397	3.235	.6456	.1649	.5337	.4193	.8641	3.301	4.958

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.570**	**.4088**	**2.010**	**5.434**	**1.007**	**4.512**	**.3018**	**2.353**	**.6751**
Stddev	.009	.0016	.001	.007	.000	.010	.0002	.001	.0013
%RSD	.3384	.3980	.0309	.1388	.0126	.2235	.0787	.0500	.1983
#1	2.564	.4076	2.010	5.439	1.007	4.504	.3016	2.352	.6742
#2	2.576	.4099	2.009	5.429	1.007	4.519	.3019	2.354	.6761

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**15.48**	**.7723**	**2.248**	**2.058**	**.2742**	**1.395**	**2.685**
Stddev	.08	.0012	.010	.002	.0007	.000	.000
%RSD	.4851	.1515	.4554	.0960	.2511	.0013	.0112
#1	15.53	.7715	2.241	2.057	.2737	1.395	2.686
#2	15.42	.7731	2.255	2.059	.2747	1.395	2.685

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74837.**	**15326.**	**1780.5**	**5565.3**
Stddev	52.	40.	1.0	2.5
%RSD	.06962	.26260	.05643	.04495
#1	74874.	15355.	1781.2	5563.5
#2	74800.	15298.	1779.8	5567.1

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/25/2014 12:31:38 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.026**	**2.019**	**2.016**	**1.996**	**1.952**	**2.030**	**2.042**	**.2443**
Stddev	.001	.002	.009	.002	.009	.004	.006	.003	.0003
%RSD	.0712	.1174	.4640	.1012	.4409	.2121	.2942	.1674	.1229
#1	2.008	2.025	2.012	2.015	2.003	1.949	2.034	2.040	.2446
#2	2.006	2.028	2.025	2.018	1.990	1.955	2.026	2.044	.2441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.984**	**2.050**	**2.007**	**2.077**	**2.036**	**1.998**	**2.009**	**39.55**	**40.48**
Stddev	.003	.002	.010	.010	.002	.010	.005	.01	.01
%RSD	.1628	.1079	.5001	.4945	.1061	.5193	.2271	.0250	.0301
#1	1.987	2.048	2.000	2.069	2.035	1.990	2.006	39.55	40.47
#2	1.982	2.052	2.014	2.084	2.038	2.005	2.012	39.56	40.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.80**	**40.07**	**39.71**	**39.83**	**2.015**	**2.046**	**1.960**	**5.064**	**2.055**
Stddev	.01	.09	.03	.06	.008	.010	.004	.022	.011
%RSD	.0198	.2187	.0836	.1578	.3884	.4831	.2113	.4410	.5401
#1	40.81	40.01	39.68	39.88	2.010	2.039	1.957	5.048	2.047
#2	40.79	40.14	39.73	39.79	2.021	2.053	1.963	5.080	2.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/25/2014 12:31:38 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**1.996**	**2.002**	**2.032**	**1.965**	**2.027**	**1.993**
Stddev	.003	.004	.012	.001	.016	.009	.006
%RSD	.1563	.1786	.5825	.0377	.8034	.4210	.3004
#1	2.046	1.998	1.994	2.031	1.954	2.021	1.997
#2	2.041	1.993	2.011	2.032	1.976	2.033	1.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**78354.**	**15455.**	**1826.0**	**5771.5**
Stddev	137.	48.	7.2	8.1
%RSD	.17469	.31359	.39557	.14023
#1	78451.	15489.	1831.1	5777.2
#2	78257.	15421.	1820.9	5765.8

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/25/2014 12:37:41 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0000**	**.0000**	**-.0003**	**.0003**	**.0000**	**.0001**	**-.0003**
Stddev	.0001	.000	.000	.000	.0000	.0000	.0000	.0001	.0002
%RSD	162.4	29.81	278.8	741.0	16.04	3.270	64.95	52.59	73.76
#1	.0002	.0000	-.0001	-.0001	-.0002	.0003	.0001	.0002	-.0004
#2	.0000	.0000	.0000	.0001	-.0003	.0003	.0000	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0001**	**.0009**	**-.0003**	**-.0011**	**.0010**	**-.0018**	**.0007**
Stddev	.0001	.0002	.0002	.0005	.0010	.0014	.0003	.0011	.0020
%RSD	80.76	68.29	151.1	54.93	357.1	127.4	28.18	61.96	303.9
#1	.0002	.0003	.0003	.0012	-.0010	-.0020	.0008	-.0010	-.0007
#2	.0001	.0001	.0000	.0005	.0004	-.0001	.0012	-.0027	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**.0108**	**.0008**	**.0035**	**.0025**	F **.0029**	**.0007**	**.0002**	**-.0001**
Stddev	.0004	.0092	.0219	.0059	.0004	.0005	.0003	.0009	.0002
%RSD	26.20	84.89	2602.	168.0	15.40	15.81	41.45	606.9	150.9
#1	.0018	.0043	.0164	-.0007	.0022	.0032	.0005	-.0005	-.0002
#2	.0013	.0173	-.0147	.0077	.0028	.0026	.0010	.0008	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/25/2014 12:37:41 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0003**	F **.0136**	**.0006**	**.0009**	**.0002**	**-.0009**
Stddev	.0001	.0001	.0023	.0000	.0010	.0002	.0016
%RSD	1884.	25.41	17.28	7.972	107.6	107.6	166.3
#1	.0000	.0004	.0152	.0006	.0002	.0000	-.0020
#2	.0001	.0002	.0119	.0006	.0016	.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123				
Low Limit			-.0123				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84772.**	**15809.**	**1935.5**	**6466.0**
Stddev	10.	17.	2.3	.1
%RSD	.01127	.10768	.11843	.00089
#1	84779.	15797.	1933.9	6466.1
#2	84765.	15821.	1937.1	6466.0

Zoom In Zoom Out

Sample Name: icv Acquired: 6/25/2014 12:47:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.015**	**2.001**	**2.013**	**1.981**	**1.967**	**2.038**	**2.033**	**.2442**
Stddev	.003	.003	.008	.011	.007	.002	.007	.009	.0009
%RSD	.1374	.1706	.4181	.5394	.3800	.1018	.3440	.4317	.3687
#1	2.006	2.015	1.997	2.009	1.972	1.969	2.030	2.030	.2444
#2	2.001	2.018	1.996	2.004	1.985	1.967	2.043	2.025	.2449
#3	2.006	2.011	2.011	2.025	1.984	1.965	2.041	2.042	.2432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.038**	**1.987**	**2.076**	**2.032**	**1.988**	**1.998**	**39.89**	**39.75**
Stddev	.005	.011	.009	.021	.012	.007	.008	.03	.14
%RSD	.2516	.5551	.4407	1.028	.5643	.3798	.4008	.0869	.3458
#1	1.995	2.034	1.984	2.073	2.028	1.985	1.992	39.88	39.72
#2	2.004	2.029	1.980	2.057	2.023	1.982	1.994	39.92	39.90
#3	2.003	2.051	1.997	2.099	2.045	1.996	2.007	39.85	39.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.28**	**39.41**	**39.76**	**40.19**	**1.993**	**2.032**	**1.959**	**5.030**	**2.036**
Stddev	.08	.20	.02	.05	.006	.011	.003	.012	.013
%RSD	.2011	.4990	.0492	.1253	.3247	.5461	.1522	.2310	.6424
#1	40.25	39.30	39.75	40.17	1.989	2.026	1.962	5.027	2.030
#2	40.38	39.63	39.78	40.25	1.990	2.026	1.956	5.020	2.027
#3	40.23	39.29	39.76	40.15	2.001	2.045	1.961	5.043	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/25/2014 12:47:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**1.994**	**1.971**	**2.018**	**1.959**	**2.015**	**1.980**
Stddev	.004	.004	.015	.003	.019	.006	.005
%RSD	.1852	.2015	.7802	.1383	.9684	.2879	.2664
#1	2.017	1.989	1.957	2.016	1.957	2.012	1.981
#2	2.012	1.997	1.968	2.016	1.940	2.011	1.975
#3	2.019	1.996	1.988	2.021	1.978	2.022	1.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77938.**	**15528.**	**1836.7**	**5778.3**
Stddev	123.	65.	3.0	12.6
%RSD	.15796	.41719	.16501	.21823
#1	78080.	15572.	1839.5	5786.1
#2	77874.	15454.	1837.0	5785.0
#3	77860.	15559.	1833.5	5763.7

Zoom In Zoom Out

Sample Name: icb Acquired: 6/25/2014 13:08:34 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0001**	**-.0002**	**-.0001**	**.0004**	**.0000**	**.0000**	**-.0004**
Stddev	.0000	.000	.0000	.0001	.0001	.0000	.0000	.000	.0000
%RSD	43.66	23.61	60.54	47.59	118.6	.1750	28.79	47.36	.3303
#1	.0000	.0000	-.0001	-.0002	-.0002	.0004	.0001	.0000	-.0004
#2	.0001	.0000	.0000	-.0001	.0000	.0004	.0000	.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0000**	**.0001**	**-.0002**	**-.0006**	**.0006**	**-.0040**	**.0015**
Stddev	.0002	.0002	.0008	.0005	.0004	.0007	.0001	.0087	.0005
%RSD	394.4	369.5	5985.	335.8	224.8	115.4	16.99	216.3	36.01
#1	.0002	.0002	-.0005	.0005	-.0004	-.0001	.0005	-.0101	.0018
#2	-.0001	-.0001	.0006	-.0002	.0001	-.0011	.0006	.0021	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0121**	**-.0395**	**-.0047**	**.0000**	**-.0004**	**-.0014**	**.0010**	**-.0004**
Stddev	.0005	.0019	.0135	.0002	.000	.0003	.0005	.0003	.0001
%RSD	92.79	15.49	34.15	3.757	302.9	80.08	36.87	34.17	41.05
#1	.0002	.0108	-.0490	-.0048	.0001	-.0002	-.0010	.0007	-.0003
#2	.0009	.0134	-.0300	-.0046	-.0002	-.0007	-.0017	.0012	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 6/25/2014 13:08:34 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0003**	**-.0031**	**-.0001**	**.0007**	**-.0014**	**-.0001**
Stddev	.0000	.0000	.0001	.0000	.0016	.0001	.0000
%RSD	182.0	6.909	3.839	28.33	223.6	4.258	12.72
#1	.0000	-.0003	-.0030	-.0001	-.0004	-.0014	-.0001
#2	.0001	-.0004	-.0032	-.0001	.0018	-.0013	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**82727.**	**15636.**	**1917.0**	**6395.6**
Stddev	184.	15.	14.2	32.6
%RSD	.22242	.09652	.73963	.51039
#1	82597.	15647.	1907.0	6372.5
#2	82857.	15625.	1927.0	6418.7

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/25/2014 13:15:14 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**2.034**	**2.006**	**2.021**	**1.987**	**1.968**	**2.042**	**2.046**	**.2447**
Stddev	.003	.003	.003	.005	.001	.012	.006	.005	.0010
%RSD	.1317	.1634	.1360	.2355	.0640	.6273	.3161	.2269	.4235
#1	2.016	2.030	2.005	2.016	1.988	1.957	2.038	2.040	.2440
#2	2.012	2.036	2.007	2.020	1.986	1.958	2.037	2.045	.2435
#3	2.017	2.038	2.010	2.027	1.986	1.976	2.043	2.051	.2455
#4	2.017	2.034	2.003	2.019	1.988	1.981	2.051	2.049	.2456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**2.053**	**1.997**	**2.042**	**2.042**	**1.995**	**2.011**	**39.98**	**40.06**
Stddev	.013	.002	.003	.004	.004	.004	.004	.13	.09
%RSD	.6390	.1096	.1645	.1768	.1765	.1775	.1744	.3200	.2339
#1	1.992	2.050	1.993	2.038	2.037	1.995	2.007	39.83	40.13
#2	1.991	2.052	2.000	2.042	2.043	2.000	2.014	39.92	40.09
#3	2.008	2.055	2.000	2.041	2.046	1.996	2.014	40.11	40.09
#4	2.018	2.054	1.997	2.047	2.040	1.991	2.010	40.07	39.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.63**	**39.71**	**39.88**	**40.27**	**2.008**	**2.041**	**1.963**	**5.074**	**2.041**
Stddev	.02	.08	.06	.12	.002	.005	.007	.011	.001
%RSD	.0416	.1932	.1510	.2928	.0986	.2320	.3603	.2149	.0488
#1	40.64	39.75	39.81	40.15	2.006	2.036	1.957	5.062	2.042
#2	40.64	39.74	39.86	40.20	2.010	2.045	1.957	5.088	2.042
#3	40.64	39.74	39.95	40.36	2.009	2.046	1.967	5.070	2.041
#4	40.61	39.59	39.88	40.39	2.006	2.037	1.971	5.077	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 6/25/2014 13:15:14 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**1.998**	**1.980**	**2.021**	**1.950**	**2.028**	**1.994**
Stddev	.004	.004	.009	.002	.003	.003	.005
%RSD	.2179	.2109	.4725	.1181	.1659	.1665	.2517
#1	2.042	1.996	1.967	2.022	1.949	2.026	1.998
#2	2.033	1.995	1.983	2.017	1.955	2.033	1.987
#3	2.036	1.999	1.987	2.022	1.948	2.028	1.996
#4	2.032	2.004	1.984	2.022	1.949	2.026	1.995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77900.**	**15427.**	**1831.7**	**5762.2**
Stddev	247.	51.	4.0	11.3
%RSD	.31685	.33174	.21754	.19586
#1	78134.	15485.	1830.7	5766.0
#2	78090.	15418.	1828.7	5755.9
#3	77710.	15362.	1830.0	5750.8
#4	77665.	15441.	1837.6	5776.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 13:29:58 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0003**	**.0001**	**-.0003**	**.0004**	**.0002**	**.0005**	**-.0006**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0001	.0002	.0002
%RSD	68.71	26.47	26.76	78.62	57.93	17.16	25.17	45.61	24.83
#1	.0000	.0001	.0002	.0002	-.0004	.0004	.0003	.0003	-.0005
#2	.0001	.0001	.0003	.0001	-.0002	.0003	.0002	.0006	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**.0006**	**.0002**	**.0008**	**-.0017**	**.0010**	**.0028**	**.0012**
Stddev	.0002	.0003	.0011	.0000	.0005	.0009	.0013	.0070	.0000
%RSD	57.14	69.35	182.0	14.02	60.14	54.76	133.2	252.2	2.711
#1	.0006	.0002	-.0002	.0002	.0011	-.0010	.0018	-.0022	.0011
#2	.0002	.0005	.0014	.0002	.0005	-.0024	.0001	.0078	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0123**	**-.0055**	**.0093**	**.0017**	**.0018**	**.0001**	**.0009**	**.0002**
Stddev	.0029	.0084	.0251	.0020	.0003	.0002	.0004	.0009	.0003
%RSD	89.24	68.40	454.9	21.70	17.70	14.01	572.7	93.82	133.9
#1	.0012	.0183	-.0232	.0107	.0019	.0019	-.0002	.0003	.0000
#2	.0053	.0064	.0122	.0079	.0015	.0016	.0003	.0016	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 13:29:58 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**.0093**	**.0004**	**.0002**	**.0002**	**-.0003**
Stddev	.0001	.0002	.0013	.0000	.0008	.0002	.0003
%RSD	69.54	68.06	13.97	6.318	424.0	75.46	125.6
#1	.0001	.0005	.0102	.0004	-.0004	.0001	.0000
#2	.0002	.0002	.0084	.0004	.0008	.0003	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84074.**	**15765.**	**1931.5**	**6448.5**
Stddev	5.	25.	1.2	.7
%RSD	.00551	.15853	.06439	.01079
#1	84071.	15747.	1932.4	6449.0
#2	84078.	15782.	1930.6	6448.0

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 13:35:55 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2049**	**.0024**	**.0031**	**.0516**	**.0106**	**.0103**	**.0163**	**.0108**	**.0045**
Stddev	.0002	.0000	.0001	.0001	.0000	.0003	.0000	.0003	.0001
%RSD	.1206	.2347	2.948	.1871	.3161	2.620	.0829	2.783	3.261
#1	.2051	.0024	.0031	.0515	.0106	.0101	.0163	.0110	.0044
#2	.2048	.0024	.0032	.0517	.0106	.0105	.0163	.0106	.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0536**	**.0234**	**.0079**	**.0118**	**.0033**	**.0124**	**.0075**	**.1971**	**5.061**
Stddev	.0001	.0002	.0006	.0002	.0002	.0001	.0004	.0056	.057
%RSD	.0994	.8698	7.519	2.113	7.374	1.039	4.705	2.821	1.127
#1	.0535	.0235	.0083	.0119	.0031	.0123	.0077	.1932	5.020
#2	.0536	.0232	.0075	.0116	.0034	.0125	.0072	.2011	5.101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1123**	**5.211**	**4.960**	**4.989**	**.1070**	**.0222**	**.0533**	**.2071**	**.0117**
Stddev	.0038	.026	.028	.009	.0002	.0000	.0000	.0002	.0004
%RSD	3.343	.4956	.5568	.1702	.2181	.2192	.0440	.1191	3.124
#1	.1097	5.193	4.940	4.983	.1068	.0222	.0533	.2073	.0120
#2	.1150	5.230	4.979	4.995	.1071	.0221	.0533	.2069	.0114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 13:35:55 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0109**	**.0108**	**.0549**	**.0113**	**.0483**	**.0213**	**.0209**
Stddev	.0000	.0003	.0016	.0001	.0012	.0002	.0004
%RSD	.1305	2.649	2.856	.6141	2.558	1.018	2.066
#1	.0109	.0110	.0560	.0113	.0492	.0212	.0206
#2	.0109	.0106	.0538	.0112	.0474	.0215	.0212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**83282.**	**15731.**	**1919.6**	**6337.4**
Stddev	109.	177.	1.3	2.7
%RSD	.13088	1.1264	.06780	.04229
#1	83205.	15856.	1920.5	6335.5
#2	83359.	15606.	1918.7	6339.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 13:42:09 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0011**	**.0010**	**.0029**	**.0019**	**.0022**	**.0033**	**.0042**	F **.0006**
Stddev	.0000	.0000	.0000	.0002	.0003	.0001	.0001	.0000	.0002
%RSD	.8335	.8747	2.906	6.011	17.00	5.011	1.739	.2989	41.47
#1	.0042	.0011	.0010	.0031	.0021	.0023	.0033	.0042	.0004
#2	.0043	.0011	.0010	.0028	.0017	.0021	.0033	.0042	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.0010
Range									-30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0115**	**.0028**	**.0020**	**.0025**	**.0038**	**.0032**	**.1017**	**1.014**
Stddev	.0000	.0001	.0005	.0012	.0001	.0019	.0004	.0075	.002
%RSD	1.675	.5148	19.39	60.54	2.273	48.80	12.88	7.348	.1767
#1	.0022	.0115	.0024	.0029	.0025	.0025	.0035	.1070	1.013
#2	.0021	.0114	.0032	.0011	.0025	.0051	.0029	.0965	1.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0030**	**.1255**	**2.036**	**1.021**	**.0098**	**-.0003**	**-.0005**	**-.0012**	**.0002**
Stddev	.0011	.0225	.029	.009	.0001	.0000	.0002	.0001	.0014
%RSD	36.81	17.89	1.412	.9200	1.358	13.77	32.89	11.93	665.6
#1	.0022	.1096	2.015	1.015	.0097	-.0003	-.0004	-.0011	-.0008
#2	.0038	.1414	2.056	1.028	.0099	-.0004	-.0006	-.0013	.0012
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 13:42:09 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**-.0014**	**.0000**	**.0019**	**.0001**	**-.0003**
Stddev	.0000	.0000	.0004	.000	.0006	.0011	.0000
%RSD	99.01	196.9	27.39	449.5	32.28	780.3	8.965
#1	.0000	.0000	-.0016	.0000	.0023	.0009	-.0004
#2	.0000	.0001	-.0011	-.0001	.0015	-.0006	-.0003
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84392.**	**15735.**	**1936.0**	**6445.6**
Stddev	321.	57.	6.3	16.8
%RSD	.37992	.35935	.32778	.26019
#1	84619.	15775.	1940.5	6457.5
#2	84165.	15695.	1931.6	6433.8

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 13:48:29 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0000**	**.0000**	**-.0004**	**.0001**	**.0000**	**.0000**	**-.0002**
Stddev	.0000	.000	.000	.000	.0001	.0001	.0001	.0002	.0003
%RSD	34.23	34.37	148.9	19.51	34.87	37.82	286.0	687.0	166.5
#1	.0000	.0000	-.0001	.0000	-.0005	.0002	.0001	.0002	-.0003
#2	.0001	.0000	.0000	.0000	-.0003	.0001	.0000	-.0001	.0000
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0008**	**.0203**	**.0000**	**.0223**	**.0196**	**.0214**	**.5014**	**.0050**
Stddev	.0001	.0001	.0013	.002	.0003	.0004	.0005	.0009	.0031
%RSD	191.8	12.69	6.371	27780.	1.155	2.269	2.149	.1733	61.55
#1	.0000	.0007	.0193	-.0015	.0222	.0192	.0217	.5020	.0028
#2	.0001	.0008	.0212	.0014	.0225	.0199	.0211	.5008	.0072
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5474**	**.0103**	**-.0433**	**-.0025**	**-.0009**	**-.0006**	**.0001**	**-.0020**	**-.0003**
Stddev	.0007	.0228	.0008	.0023	.0001	.0001	.0001	.0002	.0004
%RSD	.1279	222.3	1.887	91.39	14.27	11.44	96.83	10.70	131.1
#1	.5469	.0264	-.0427	-.0009	-.0008	-.0005	.0001	-.0022	-.0006
#2	.5479	-.0059	-.0439	-.0041	-.0010	-.0006	.0000	-.0019	.0000
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 13:48:29 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0002**	**-.0048**	**-.0002**	**.0002**	**.0003**	**-.0004**
Stddev	.0000	.0003	.0003	.0000	.0022	.0007	.0003
%RSD	440.4	151.2	7.199	1.319	1196.	248.7	66.44
#1	.0000	.0000	-.0051	-.0002	.0017	-.0002	-.0006
#2	.0000	-.0004	-.0046	-.0002	-.0014	.0008	-.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84308.**	**15686.**	**1927.6**	**6421.8**
Stddev	87.	3.	8.9	20.4
%RSD	.10360	.02053	.45985	.31767
#1	84369.	15689.	1933.8	6436.2
#2	84246.	15684.	1921.3	6407.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 13:54:49 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0000**	**.0006**	**.0006**	**.0007**	**.0051**	**.0011**	**.0030**
Stddev	.0002	.0000	.0001	.0002	.0002	.0004	.0000	.0002
%RSD	23.48	38.81	19.23	35.07	29.16	6.955	.0524	7.092
#1	-.0008	.0000	.0005	.0005	.0005	.0054	.0011	.0032
#2	-.0011	.0000	.0006	.0008	.0008	.0049	.0011	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**-.0012**	**-.0004**	F **.0068**	**.0007**	**.0032**	**-.0067**	**-.0039**
Stddev	.0003	.0002	.0005	.0001	.0033	.0009	.0035	.0009
%RSD	6.019	15.11	112.6	2.193	473.1	27.93	52.40	22.61
#1	.0052	-.0011	-.0001	.0069	-.0016	.0026	-.0042	-.0045
#2	.0057	-.0014	-.0008	.0067	.0030	.0039	-.0092	-.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0060				
Low Limit				-.0060				

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**517.3**	**394.8**	**190.5**	**548.4**	**.0135**	**.0002**	**-.0146**	**.0066**
Stddev	8.0	3.3	.2	1.1	.0053	.0035	.0015	.0001
%RSD	1.544	.8282	.0819	.1960	39.50	1585.	10.28	1.204
#1	511.7	392.5	190.4	547.7	.0172	.0027	-.0135	.0066
#2	523.0	397.1	190.6	549.2	.0097	-.0023	-.0157	.0067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 13:54:49 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0386**	**-.0081**	**.0070**	**-.0005**	**.0031**	**.0124**	F **.0228**	F **-.0560**
Stddev	.0003	.0015	.0002	.0000	.0000	.0004	.0001	.0017
%RSD	.7153	18.14	3.052	4.894	.3040	3.067	.5440	3.089
#1	-.0388	-.0070	.0068	-.0005	.0031	.0127	.0227	-.0572
#2	-.0384	-.0091	.0071	-.0005	.0032	.0121	.0229	-.0548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.0100	.0500
Low Limit							-.0100	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0084**	**.0051**
Stddev	.0019	.0006
%RSD	22.95	11.54
#1	.0070	.0047
#2	.0097	.0055
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72675.**	**14757.**	**1687.7**	**5145.6**
Stddev	125.	41.	1.3	8.5
%RSD	.17133	.27996	.07885	.16463
#1	72587.	14786.	1688.6	5151.5
#2	72763.	14728.	1686.8	5139.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/25/2014 14:01:12 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5255**	**.5167**	**1.045**	**.4846**	**.4723**	**.5340**	**.5089**	**.9869**	**1.066**
Stddev	.0008	.0009	.000	.0008	.0025	.0002	.0016	.0052	.000
%RSD	.1466	.1822	.0099	.1735	.5395	.0363	.3240	.5262	.0334
#1	.5260	.5161	1.045	.4840	.4741	.5339	.5101	.9832	1.066
#2	.5249	.5174	1.045	.4852	.4705	.5342	.5078	.9906	1.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4851**	**.9738**	**1.116**	**.9380**	**.9616**	**1.078**	**1.077**	**519.7**	**378.8**
Stddev	.0022	.0006	.001	.0001	.0025	.004	.009	.6	1.7
%RSD	.4498	.0588	.0978	.0140	.2578	.3625	.8504	.1202	.4430
#1	.4866	.9734	1.115	.9379	.9599	1.075	1.070	520.1	377.6
#2	.4835	.9742	1.117	.9381	.9634	1.080	1.083	519.3	379.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**196.5**	**540.7**	**-.0120**	**-.0009**	**-.0279**	**.5155**	**.5231**	**-.0200**	**.0077**
Stddev	.0	1.3	.0122	.0081	.0006	.0015	.0013	.0006	.0010
%RSD	.0100	.2314	101.6	905.1	2.162	.2965	.2414	2.883	13.29
#1	196.5	539.8	-.0034	.0049	-.0275	.5144	.5222	-.0204	.0069
#2	196.4	541.6	-.0207	-.0067	-.0283	.5166	.5240	-.0196	.0084
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/25/2014 14:01:12 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0050**	**.5251**	**.5608**	**.4432**	**.5892**	**.5718**
Stddev	.0001	.0002	.0011	.0012	.0035	.0020	.0000
%RSD	32.49	4.083	.2103	.2212	.7859	.3429	.0065
#1	-.0003	.0051	.5244	.5599	.4456	.5878	.5718
#2	-.0004	.0048	.5259	.5616	.4407	.5907	.5718
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72079.**	**14732.**	**1692.6**	**5166.9**
Stddev	112.	53.	1.0	10.5
%RSD	.15590	.35988	.05649	.20364
#1	72159.	14770.	1693.2	5174.3
#2	72000.	14695.	1691.9	5159.4

Zoom In Zoom Out

Sample Name: Feconf Acquired: 6/25/2014 14:07:28 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0001**	**-.0008**	**-.0001**	**.0009**	**.0017**	**.0004**	**.0050**
Stddev	.000	.0001	.0001	.0003	.0000	.0000	.0000	.0006	.0003
%RSD	93.10	243.2	107.3	34.03	26.73	2.836	2.509	154.9	5.389
#1	-.0001	.0000	.0000	-.0006	-.0002	.0009	.0017	.0000	.0052
#2	.0000	.0001	-.0002	-.0009	-.0001	.0009	.0018	.0008	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0069**	**-.0021**	**.0000**	**.0009**	**-.0006**	**.0031**	**-.0104**	**-.0110**
Stddev	.0001	.0000	.0003	.0019	.0003	.0012	.0008	.0054	.0030
%RSD	42.31	.5212	15.16	10010.	37.28	178.1	25.60	52.24	27.14
#1	-.0002	.0070	-.0019	.0014	.0006	.0002	.0025	-.0065	-.0089
#2	-.0004	.0069	-.0023	-.0013	.0011	-.0015	.0036	-.0142	-.0131

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**202.7**	**.0343**	**-.0524**	**-.0033**	**-.0033**	**-.0010**	**-.0286**	**.0158**	**.0016**
Stddev	.1	.0263	.0325	.0030	.0000	.0003	.0001	.0004	.0004
%RSD	.0538	76.82	62.06	92.46	1.257	32.41	.3733	2.820	26.82
#1	202.8	.0156	-.0754	-.0054	-.0032	-.0008	-.0287	.0161	.0013
#2	202.6	.0529	-.0294	-.0011	-.0033	-.0013	-.0285	.0154	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**.0029**	**.0137**	**-.0038**	**.0147**	**.0000**
Stddev	.0000	.000	.0000	.0001	.0016	.0003	.001
%RSD	9.871	268.6	1.653	.9521	41.14	1.704	7851.
#1	.0000	.0000	.0029	.0138	-.0050	.0149	.0005
#2	.0000	-.0001	.0029	.0136	-.0027	.0145	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82055.**	**15635.**	**1876.9**	**6387.0**
Stddev	160.	34.	13.3	37.2
%RSD	.19517	.21892	.71112	.58175
#1	82168.	15659.	1886.4	6413.3
#2	81941.	15610.	1867.5	6360.7

Zoom In Zoom Out

Sample Name: Crconf Acquired: 6/25/2014 14:13:46 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0006**	**.0001**	**.0001**	**-.0015**	**11.77**	**.0006**	**-.0003**	**.0003**	**-.0004**
Stddev	.0001	.0000	.0000	.0001	.01	.0001	.0000	.0001	.0002
%RSD	13.14	12.89	47.64	4.204	.0554	10.63	9.044	30.43	47.75
#1	.0005	.0001	.0001	-.0014	11.77	.0005	-.0003	.0003	-.0003
#2	.0006	.0001	.0001	-.0015	11.76	.0006	-.0002	.0004	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**-.0102**	**-.0052**	**.0001**	**-.0001**	**.0000**	**-.0048**	**.0053**	**.0226**
Stddev	.0005	.0005	.0002	.0009	.0000	.002	.0012	.0008	.0027
%RSD	10.22	4.458	4.518	988.4	27.45	13110.	23.79	14.99	11.73
#1	.0057	-.0099	-.0054	.0007	-.0001	.0016	-.0057	.0048	.0207
#2	.0049	-.0105	-.0050	-.0005	.0000	-.0016	-.0040	.0059	.0245

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0133**	**.0156**	**-.0328**	**.0042**	**-.0003**	**-.0001**	**.0000**	**.0214**	**.0005**
Stddev	.0032	.0099	.0065	.0137	.0004	.0001	.0002	.0001	.0004
%RSD	24.26	63.29	19.69	325.0	111.1	58.78	6190.	.6060	86.51
#1	.0110	.0086	-.0374	.0139	-.0001	-.0001	-.0001	.0213	.0002
#2	.0155	.0225	-.0282	-.0055	-.0006	-.0001	.0001	.0215	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0010**	**-.0102**	**.0005**	**.0021**	**.0060**	**-.0013**
Stddev	.0000	.0001	.0002	.0000	.0024	.0001	.0007
%RSD	16.51	5.672	2.071	3.444	112.2	1.082	53.11
#1	.0001	.0010	-.0104	.0005	.0038	.0060	-.0019
#2	.0001	.0011	-.0101	.0005	.0004	.0061	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84477.**	**15615.**	**1906.5**	**6427.1**
Stddev	105.	6.	2.2	4.2
%RSD	.12457	.03712	.11378	.06532
#1	84552.	15619.	1908.0	6430.0
#2	84403.	15611.	1905.0	6424.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 14:20:05 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.975**	**1.980**	**1.997**	**2.010**	**1.961**	**1.953**	**2.051**	**2.063**	**.2457**
Stddev	.074	.082	.007	.008	.012	.002	.009	.005	.0009
%RSD	3.740	4.155	.3559	.4045	.6336	.1153	.4226	.2395	.3699
#1	2.027	2.038	1.992	2.005	1.953	1.951	2.045	2.060	.2450
#2	1.923	1.922	2.002	2.016	1.970	1.954	2.057	2.067	.2463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.980**	**2.064**	**2.016**	**2.047**	**2.042**	**2.005**	**2.028**	**39.35**	**38.68**
Stddev	.006	.006	.000	.004	.007	.001	.003	1.56	1.74
%RSD	.2954	.3022	.0063	.1976	.3222	.0716	.1644	3.974	4.500
#1	1.975	2.060	2.016	2.050	2.038	2.006	2.026	40.46	39.91
#2	1.984	2.069	2.016	2.045	2.047	2.004	2.030	38.24	37.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.95**	**38.64**	**39.03**	**39.99**	**2.013**	**2.033**	**1.949**	**5.125**	**2.048**
Stddev	1.65	1.79	1.45	1.54	.005	.008	.008	.008	.005
%RSD	4.134	4.635	3.707	3.861	.2406	.4033	.4015	.1603	.2589
#1	41.12	39.91	40.05	41.08	2.009	2.027	1.943	5.119	2.044
#2	38.78	37.38	38.00	38.90	2.016	2.039	1.954	5.130	2.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 14:20:05 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.987**	**1.984**	**1.946**	**1.994**	**1.957**	**2.035**	**1.953**
Stddev	.078	.008	.015	.012	.002	.003	.074
%RSD	3.939	.4003	.7531	.6228	.1011	.1394	3.766
#1	2.042	1.978	1.936	1.985	1.956	2.033	2.005
#2	1.931	1.989	1.957	2.003	1.959	2.037	1.901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**78827.**	**15749.**	**1839.0**	**5780.1**
Stddev	358.	638.	5.2	17.0
%RSD	.45446	4.0528	.28164	.29464
#1	79080.	15298.	1842.7	5792.1
#2	78574.	16200.	1835.3	5768.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 14:26:07 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0001**	**-.0001**	**-.0001**	**-.0002**	**.0001**	**.0001**	**-.0004**
Stddev	.0002	.0000	.0000	.0000	.0001	.0001	.0001	.0004	.0000
%RSD	316.4	32.45	4.188	10.47	236.0	56.32	55.82	292.7	2.916
#1	.0002	.0001	.0001	-.0001	-.0002	-.0003	.0001	.0004	-.0004
#2	-.0001	.0001	.0001	-.0001	.0000	-.0001	.0001	-.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0004**	**.0011**	**.0006**	**-.0019**	**.0013**	**.0098**	**-.0016**
Stddev	.0001	.0001	.0000	.0025	.0002	.0007	.0005	.0060	.0010
%RSD	65.09	126.4	9.719	232.9	31.73	36.83	36.37	61.33	64.85
#1	.0001	-.0001	.0004	.0028	.0004	-.0023	.0016	.0055	-.0023
#2	.0002	.0000	.0004	-.0007	.0007	-.0014	.0010	.0140	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**.0191**	**-.0236**	**-.0119**	**.0007**	**.0012**	**.0003**	**.0010**	**.0004**
Stddev	.0033	.0063	.0216	.0064	.0005	.0003	.0001	.0002	.0001
%RSD	94.66	33.01	91.52	53.39	71.89	23.38	19.53	16.91	29.67
#1	.0057	.0146	-.0083	-.0164	.0003	.0014	.0003	.0009	.0003
#2	.0011	.0235	-.0388	-.0074	.0010	.0010	.0002	.0011	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 14:26:07 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0004**	**.0002**	**.0003**	**-.0009**	**-.0001**
Stddev	.0000	.000	.0015	.0001	.0009	.0007	.0001
%RSD	33.88	448.8	329.4	46.27	334.5	77.23	52.61
#1	.0000	.0001	.0015	.0003	-.0004	-.0004	-.0001
#2	.0001	-.0001	-.0006	.0002	.0009	-.0013	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85388.**	**15645.**	**1940.2**	**6449.2**
Stddev	18.	2.	3.8	11.7
%RSD	.02119	.01034	.19573	.18072
#1	85401.	15644.	1942.9	6457.4
#2	85375.	15646.	1937.5	6440.9

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 14:33:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0000**	**.0009**	**.0007**	**.0005**	**.0053**	**.0011**	**.0027**
Stddev	.0002	.000	.0002	.0001	.0004	.0003	.0001	.0005
%RSD	22.94	503.7	23.25	8.476	84.62	4.990	6.378	18.01
#1	-.0009	-.0001	.0007	.0006	.0008	.0055	.0012	.0024
#2	-.0007	.0000	.0010	.0007	.0002	.0051	.0011	.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**-.0006**	**-.0002**	**.0037**	**-.0035**	**.0028**	**-.0082**	**-.0080**
Stddev	.0003	.0000	.0000	.0010	.0012	.0010	.0003	.0024
%RSD	6.879	3.796	22.60	27.33	32.83	36.06	3.199	30.23
#1	.0048	-.0006	-.0001	.0030	-.0027	.0036	-.0084	-.0063
#2	.0053	-.0006	-.0002	.0044	-.0043	.0021	-.0080	-.0097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**501.1**	**382.9**	**187.0**	**534.0**	**.0080**	**-.0089**	**-.0152**	**.0067**
Stddev	.9	5.4	1.6	5.1	.0078	.0053	.0004	.0002
%RSD	.1733	1.405	.8463	.9606	97.79	59.65	2.754	3.154
#1	500.5	379.1	185.9	530.4	.0134	-.0126	-.0155	.0069
#2	501.7	386.7	188.2	537.6	.0025	-.0051	-.0149	.0066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 14:33:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0378**	**-.0085**	**.0069**	**-.0002**	**.0030**	**.0123**	F **.0224**	F **-.0565**
Stddev	.0001	.0014	.0003	.0000	.0000	.0008	.0002	.0034
%RSD	.3283	16.18	3.700	11.22	1.339	6.481	.6720	5.970
#1	-.0379	-.0075	.0067	-.0002	.0030	.0118	.0223	-.0541
#2	-.0377	-.0095	.0070	-.0003	.0030	.0129	.0225	-.0589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.0100	.0500
Low Limit							-.0100	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0092**	**.0043**
Stddev	.0017	.0004
%RSD	18.94	9.733
#1	.0079	.0040
#2	.0104	.0046
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71608.**	**14686.**	**1691.3**	**5151.1**
Stddev	1041.	141.	30.2	86.3
%RSD	1.4543	.96041	1.7866	1.6759
#1	72344.	14786.	1712.6	5212.1
#2	70871.	14586.	1669.9	5090.0

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/25/2014 14:40:15 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5256**	**.5156**	**1.038**	**.4807**	**.4672**	**.5336**	**.5079**	**.9765**	**1.058**
Stddev	.0006	.0016	.000	.0006	.0008	.0007	.0006	.0022	.002
%RSD	.1158	.3089	.0207	.1317	.1622	.1371	.1253	.2236	.2052
#1	.5252	.5167	1.038	.4811	.4667	.5330	.5074	.9781	1.056
#2	.5260	.5145	1.038	.4802	.4677	.5341	.5083	.9750	1.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4845**	**.9645**	**1.108**	**.9333**	**.9556**	**1.068**	**1.069**	**515.7**	**374.0**
Stddev	.0016	.0009	.005	.0030	.0040	.003	.004	3.7	2.7
%RSD	.3405	.0951	.4111	.3245	.4185	.2604	.3822	.7087	.7314
#1	.4833	.9638	1.111	.9355	.9585	1.070	1.072	518.3	375.9
#2	.4857	.9651	1.105	.9312	.9528	1.066	1.066	513.2	372.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**195.7**	**535.2**	**-.0387**	**-.0023**	**-.0272**	**.5139**	**.5171**	**-.0203**	**.0069**
Stddev	.8	3.1	.0162	.0054	.0003	.0001	.0023	.0011	.0005
%RSD	.3906	.5872	41.86	236.6	1.200	.0241	.4504	5.282	7.917
#1	196.3	537.4	-.0502	-.0061	-.0270	.5138	.5154	-.0211	.0065
#2	195.2	533.0	-.0273	.0015	-.0274	.5140	.5187	-.0196	.0072
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/25/2014 14:40:15 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0051**	**.5203**	**.5566**	**.4422**	**.5883**	**.5667**
Stddev	.0001	.0001	.0007	.0017	.0022	.0011	.0005
%RSD	32.12	2.548	.1386	.3043	.4947	.1796	.0804
#1	-.0004	.0050	.5198	.5554	.4406	.5875	.5664
#2	-.0003	.0052	.5208	.5578	.4437	.5890	.5670
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70554.**	**14402.**	**1653.1**	**5056.9**
Stddev	99.	98.	.1	2.1
%RSD	.14083	.68126	.00629	.04159
#1	70624.	14332.	1653.2	5058.4
#2	70484.	14471.	1653.0	5055.4

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 14:46:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0011**	**.0009**	**.0031**	**.0017**	**.0021**	**.0033**	**.0041**	F **.0005**
Stddev	.0000	.0001	.0000	.0001	.0001	.0001	.0001	.0002	.0000
%RSD	1.092	4.734	1.193	4.091	3.059	3.202	1.901	4.222	6.095
#1	.0041	.0010	.0009	.0032	.0016	.0022	.0033	.0042	.0005
#2	.0042	.0011	.0009	.0030	.0017	.0021	.0032	.0039	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.0010
Range									-30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0111**	**.0026**	**.0017**	**.0030**	**.0059**	**.0037**	**.0986**	**1.0000**
Stddev	.0002	.0003	.0003	.0003	.0001	.0019	.0008	.0027	.0056
%RSD	9.893	2.322	10.94	18.31	2.891	32.07	21.08	2.740	.5639
#1	.0019	.0109	.0024	.0015	.0029	.0046	.0031	.0967	1.004
#2	.0022	.0113	.0028	.0020	.0030	.0073	.0042	.1005	.9960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.1141**	**1.991**	**1.028**	**.0091**	**-.0004**	**-.0003**	**-.0016**	**.0002**
Stddev	.0003	.0062	.000	.002	.0001	.0001	.0002	.0008	.0001
%RSD	5.061	5.450	.0174	.2121	.8266	41.39	67.56	50.97	34.89
#1	.0056	.1185	1.991	1.027	.0091	-.0003	-.0001	-.0021	.0002
#2	.0052	.1097	1.991	1.030	.0092	-.0005	-.0004	-.0010	.0003
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 14:46:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**-.0084**	**.0034**	**-.0023**	**-.0007**	**.0000**
Stddev	.0001	.0002	.0003	.0001	.0003	.0005	.0000
%RSD	1785.	299.4	3.918	4.072	12.37	68.90	40.09
#1	.0001	.0001	-.0082	.0035	-.0025	-.0004	.0000
#2	-.0001	-.0002	-.0087	.0033	-.0021	-.0011	.0000
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84126.**	**15528.**	**1912.5**	**6356.5**
Stddev	358.	36.	13.9	53.1
%RSD	.42597	.23436	.72586	.83564
#1	83873.	15502.	1922.3	6394.1
#2	84380.	15554.	1902.7	6319.0

Zoom In Zoom Out

Sample Name: mp80232-mb1conf Acquired: 6/25/2014 14:52:47 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**-.0002**	**-.0002**	**.0005**	**.0001**	**.0000**	**-.0006**
Stddev	.0000	.000	.000	.0000	.0001	.0000	.0000	.000	.0003
%RSD	1.889	46.03	328.0	8.844	27.70	7.565	15.31	1665.	43.06
#1	.0001	.0000	-.0001	-.0002	-.0002	.0005	.0001	-.0003	-.0004
#2	.0001	.0000	.0000	-.0002	-.0003	.0006	.0001	.0003	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0009**	**-.0003**	**-.0012**	**.0003**	**.0017**	**.0002**	**-.0009**	**.0328**
Stddev	.0002	.0000	.0004	.0013	.0003	.0006	.0004	.0032	.0031
%RSD	435.4	5.235	139.3	107.1	83.38	36.02	256.0	349.8	9.512
#1	-.0001	.0009	.0000	-.0003	.0005	.0022	-.0001	-.0032	.0306
#2	.0002	.0009	-.0006	-.0021	.0001	.0013	.0005	.0014	.0350

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0073**	**-.0066**	**-.0515**	**-.0104**	**.0000**	**-.0006**	**-.0003**	**.0203**	**.0004**
Stddev	.0026	.0043	.0270	.0022	.0002	.0001	.0007	.0014	.0003
%RSD	35.53	65.08	52.48	20.88	1506.	22.88	248.4	7.096	70.58
#1	.0054	-.0097	-.0324	-.0120	.0002	-.0005	-.0007	.0193	.0002
#2	.0091	-.0036	-.0706	-.0089	-.0002	-.0007	.0002	.0213	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0001**	**-.0081**	**.0022**	**.0028**	**-.0007**	**-.0011**
Stddev	.0000	.0002	.0005	.0001	.0009	.0001	.0005
%RSD	17.83	313.5	6.336	4.549	32.80	20.58	45.49
#1	.0002	-.0002	-.0078	.0022	.0035	-.0008	-.0007
#2	.0001	.0001	-.0085	.0021	.0022	-.0006	-.0014

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85386.**	**16259.**	**1882.1**	**6342.7**
Stddev	1677.	441.	15.3	49.6
%RSD	1.9644	2.7140	.81500	.78264
#1	86572.	15947.	1871.2	6307.6
#2	84200.	16571.	1892.9	6377.8

Zoom In Zoom Out

Sample Name: jb69922-5 2 Acquired: 6/25/2014 14:59:03 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 27th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1396**	**.0002**	**.0018**	**.0149**	**.0394**	**.0201**	**20.03**	**.0283**	**.0071**
Stddev	.0000	.0001	.0008	.0001	.0012	.0004	.10	.0009	.0008
%RSD	.0318	36.30	41.25	.4005	3.062	1.886	.4826	3.169	11.50
#1	.1395	.0003	.0013	.0148	.0402	.0198	19.96	.0289	.0065
#2	.1396	.0002	.0024	.0149	.0385	.0203	20.09	.0277	.0077

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0563**	**.0548**	**.0045**	**-.0217**	**.0144**	**.0015**	**.0087**	**9.508**	**437.8**
Stddev	.0001	.0009	.0008	.0027	.0013	.0029	.0035	.000	.2
%RSD	.1664	1.655	16.81	12.51	9.135	188.9	39.97	.0013	.0562
#1	.0563	.0555	.0050	-.0237	.0154	-.0005	.0112	9.508	437.6
#2	.0562	.0542	.0039	-.0198	.0135	.0036	.0063	9.508	437.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**201.4**	**123.1**	**11.02**	**1113.**	**.7831**	**.0008**	**-.0399**	**23.98**	**.0096**
Stddev	.1	.4	.02	5.	.0054	.0007	.0003	.05	.0005
%RSD	.0429	.3588	.2006	.4368	.6893	89.75	.6869	.2013	5.569
#1	201.4	122.8	11.00	1117.	.7869	.0013	-.0397	24.02	.0100
#2	201.3	123.4	11.04	1110.	.7793	.0003	-.0401	23.95	.0092

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.448**	**.3135**	**-.0154**	**.0748**	**599.9**	**.0076**	**.0260**
Stddev	.002	.0009	.0013	.0001	.2	.0017	.0001
%RSD	.0760	.2900	8.552	.0692	.0276	22.35	.3567
#1	2.447	.3141	-.0145	.0748	599.8	.0088	.0261
#2	2.449	.3128	-.0164	.0747	600.0	.0064	.0260

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72097.**	**14884.**	**1630.3**	**4995.9**
Stddev	69.	31.	1.8	6.7
%RSD	.09521	.20841	.11211	.13406
#1	72145.	14906.	1629.0	4991.2
#2	72048.	14862.	1631.6	5000.6

Zoom In Zoom Out

Sample Name: mp80249-mb1conf Acquired: 6/25/2014 15:05:23 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**-.0001**	**-.0004**	**.0002**	**.0001**	**.0002**	**.0001**	**-.0007**
Stddev	.0001	.000	.0000	.0001	.0005	.0002	.0000	.0000	.0004
%RSD	42.03	157.2	20.68	21.99	313.1	297.9	4.245	11.49	51.80
#1	.0002	.0000	-.0002	-.0003	-.0002	-.0001	.0002	.0002	-.0009
#2	.0001	.0000	-.0001	-.0004	.0005	.0002	.0002	.0001	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0010**	**-.0009**	**.0004**	**-.0001**	**-.0005**	**.0008**	**.0044**	**.0160**
Stddev	.0001	.0001	.0005	.0009	.0005	.0021	.0008	.0017	.0018
%RSD	39.00	7.062	50.86	248.5	801.7	445.1	108.8	37.81	11.35
#1	.0001	.0010	-.0006	.0010	.0003	.0010	.0014	.0032	.0173
#2	.0002	.0011	-.0013	-.0003	-.0005	-.0019	.0002	.0055	.0147

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0049**	**.0062**	**-.0286**	**.0376**	**.0003**	**-.0011**	**-.0008**	**.0237**	**.0005**
Stddev	.0013	.0285	.0197	.0065	.0001	.0002	.0010	.0004	.0001
%RSD	25.92	458.7	68.91	17.31	36.74	17.41	130.5	1.739	11.63
#1	.0058	.0264	-.0425	.0330	.0002	-.0012	-.0001	.0240	.0005
#2	.0040	-.0139	-.0147	.0422	.0004	-.0009	-.0015	.0234	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0100**	**.0002**	**.0051**	**-.0009**	**-.0009**
Stddev	.0000	.000	.0004	.0001	.0014	.0002	.0002
%RSD	31.79	930.5	3.703	71.65	26.77	17.30	18.76
#1	.0001	.0002	-.0098	.0002	.0041	-.0010	-.0010
#2	.0001	-.0003	-.0103	.0001	.0060	-.0008	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86220.**	**15780.**	**1935.0**	**6468.5**
Stddev	426.	46.	12.9	41.3
%RSD	.49367	.28868	.66834	.63884
#1	86521.	15812.	1925.8	6439.3
#2	85919.	15748.	1944.1	6497.8

Zoom In Zoom Out

Sample Name: mp80249-s1 2 Acquired: 6/25/2014 15:11:39 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.074**	**.0521**	**.0512**	**.5072**	**.1974**	**.2460**	**12.25**	**.5363**	**.0504**
Stddev	.003	.0001	.0001	.0007	.0023	.0005	.08	.0011	.0002
%RSD	.1507	.1410	.2705	.1432	1.185	.2049	.6363	.1967	.4060
#1	2.072	.0520	.0513	.5067	.1990	.2456	12.31	.5355	.0503
#2	2.076	.0521	.0511	.5077	.1957	.2463	12.20	.5370	.0506

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5046**	**.5295**	**2.231**	**2.092**	**.5312**	**2.186**	**.5544**	**2.010**	**351.0**
Stddev	.0013	.0011	.008	.006	.0007	.003	.0015	.009	1.1
%RSD	.2589	.2053	.3620	.3009	.1224	.1356	.2770	.4628	.3104
#1	.5037	.5287	2.225	2.097	.5316	2.184	.5534	2.016	350.2
#2	.5056	.5302	2.237	2.088	.5307	2.188	.5555	2.003	351.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.475**	**83.64**	**33.22**	**148.3**	**.3550**	**.0021**	**-.0169**	**4.298**	**.0045**
Stddev	.000	.12	.01	.0	.0031	.0002	.0002	.014	.0014
%RSD	.0144	.1479	.0285	.0035	.8815	11.19	1.031	.3318	31.11
#1	2.475	83.56	33.21	148.3	.3528	.0019	-.0170	4.288	.0035
#2	2.475	83.73	33.23	148.3	.3572	.0023	-.0168	4.308	.0055

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.429**	**.0039**	**-.0270**	**.0394**	**320.5**	**.0030**	**.0256**
Stddev	.004	.0001	.0009	.0007	.4	.0004	.0002
%RSD	.3094	3.094	3.281	1.839	.1221	12.79	.7407
#1	1.426	.0040	-.0276	.0399	320.8	.0033	.0254
#2	1.433	.0038	-.0263	.0389	320.2	.0028	.0257

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77338.**	**15198.**	**1747.2**	**5518.7**
Stddev	40.	38.	9.7	22.5
%RSD	.05195	.25325	.55548	.40682
#1	77309.	15225.	1754.0	5534.6
#2	77366.	15171.	1740.3	5502.8

Zoom In Zoom Out

Sample Name: mp80249-s2 Acquired: 6/25/2014 15:17:51 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.100**	**.0527**	**.0516**	**.5107**	**.2013**	**.2444**	**12.32**	**.5397**	**.0510**
Stddev	.000	.0002	.0004	.0007	.0014	.0003	.15	.0016	.0003
%RSD	.0067	.3491	.6862	.1421	.7102	.1102	1.232	.2895	.4917
#1	2.100	.0526	.0518	.5102	.2023	.2442	12.42	.5386	.0512
#2	2.100	.0529	.0513	.5112	.2003	.2445	12.21	.5408	.0509

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5005**	**.5301**	**2.267**	**2.152**	**.5347**	**2.223**	**.5606**	**2.014**	**361.3**
Stddev	.0007	.0006	.004	.002	.0005	.012	.0022	.008	1.8
%RSD	.1408	.1200	.1891	.0696	.1009	.5535	.3962	.3857	.5055
#1	.5000	.5296	2.270	2.150	.5343	2.231	.5590	2.009	360.0
#2	.5010	.5305	2.264	2.153	.5351	2.214	.5621	2.020	362.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.534**	**86.24**	**33.83**	**148.8**	**.3615**	**.0023**	**-.0161**	**4.318**	**.0039**
Stddev	.018	.50	.08	.3	.0002	.0001	.0002	.010	.0010
%RSD	.7057	.5808	.2468	.1705	.0420	4.635	1.080	.2230	25.27
#1	2.521	85.89	33.77	148.7	.3616	.0023	-.0162	4.325	.0032
#2	2.546	86.60	33.89	149.0	.3614	.0022	-.0159	4.311	.0046

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.467**	**.0038**	**-.0247**	**.0357**	**327.1**	**.0024**	**.0256**
Stddev	.004	.0001	.0009	.0002	.1	.0009	.0015
%RSD	.2941	3.187	3.667	.6290	.0164	38.11	6.031
#1	1.464	.0039	-.0240	.0359	327.1	.0030	.0245
#2	1.470	.0037	-.0253	.0356	327.2	.0017	.0266

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77539.**	**15140.**	**1735.8**	**5510.9**
Stddev	55.	54.	3.3	2.5
%RSD	.07152	.35341	.18853	.04448
#1	77578.	15178.	1733.5	5509.2
#2	77500.	15102.	1738.1	5512.7

Zoom In Zoom Out

Sample Name: jb69676-1f Acquired: 6/25/2014 15:24:03 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0127**	**.0000**	**.0011**	**.0017**	**.0013**	**.0051**	**11.80**	**.0089**	**.0008**
Stddev	.0000	.000	.0001	.0002	.0006	.0002	.09	.0005	.0005
%RSD	.0582	91.64	12.65	12.99	45.83	4.161	.7270	5.455	62.85
#1	.0127	.0000	.0013	.0015	.0009	.0049	11.73	.0092	.0011
#2	.0127	.0000	.0010	.0018	.0018	.0052	11.86	.0085	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0065**	**.0029**	**.0005**	**-.0090**	**.0023**	**-.0083**	**.0062**	**.0000**	**332.6**
Stddev	.0002	.0001	.0004	.0027	.0001	.0058	.0024	.009	.8
%RSD	2.937	3.817	79.15	29.58	3.908	69.38	39.29	67040.	.2541
#1	.0064	.0030	.0008	-.0071	.0023	-.0124	.0079	.0061	332.0
#2	.0067	.0028	.0002	-.0108	.0024	-.0042	.0045	-.0062	333.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.420**	**59.18**	**7.474**	**120.1**	**.3528**	**.0006**	**-.0084**	**4.249**	**.0038**
Stddev	.007	.20	.044	.1	.0012	.0004	.0025	.016	.0001
%RSD	.4816	.3336	.5952	.1182	.3420	58.58	30.20	.3744	2.341
#1	1.425	59.04	7.442	120.0	.3537	.0004	-.0066	4.238	.0039
#2	1.415	59.32	7.505	120.2	.3520	.0009	-.0102	4.260	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.445**	**.0016**	**-.0273**	**.0293**	**318.8**	**.0023**	**.0246**
Stddev	.001	.0001	.0018	.0000	.6	.0007	.0004
%RSD	.0379	6.470	6.458	.1440	.1987	31.33	1.487
#1	1.446	.0017	-.0285	.0292	319.3	.0018	.0243
#2	1.445	.0016	-.0260	.0293	318.4	.0028	.0248

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78250.**	**15228.**	**1764.5**	**5599.2**
Stddev	89.	32.	4.2	13.4
%RSD	.11417	.21068	.23531	.23850
#1	78314.	15251.	1767.5	5608.6
#2	78187.	15206.	1761.6	5589.7

Zoom In Zoom Out

Sample Name: mp80249-sd1 Acquired: 6/25/2014 15:30:22 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0145**	**-.0001**	**.0040**	**.0031**	**.0049**	**.0060**	**12.51**	**.0099**	**-.0042**
Stddev	.0000	.0002	.0003	.0034	.0012	.0011	.01	.0016	.0017
%RSD	.2602	171.5	7.337	109.5	24.81	18.07	.1000	15.99	40.09
#1	.0144	-.0002	.0038	.0007	.0040	.0068	12.50	.0087	-.0030
#2	.0145	.0000	.0042	.0054	.0057	.0053	12.52	.0110	-.0054

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0078**	**.0049**	**-.0137**	**-.0194**	**.0127**	**-.0431**	**-.0008**	**-.0028**	**329.8**
Stddev	.0009	.0011	.0050	.0014	.0009	.0185	.0030	.0142	.2
%RSD	10.91	22.88	36.85	7.279	7.176	42.86	350.9	506.1	.0754
#1	.0072	.0041	-.0172	-.0184	.0134	-.0301	.0013	.0073	330.0
#2	.0084	.0057	-.0101	-.0204	.0121	-.0562	-.0029	-.0129	329.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.488**	**58.59**	**7.224**	**118.7**	**.3007**	**-.0081**	**-.0108**	**4.162**	**.0209**
Stddev	.030	.17	.239	.1	.0035	.0004	.0014	.006	.0054
%RSD	1.999	.2858	3.315	.0725	1.177	5.435	12.86	.1414	25.77
#1	1.467	58.71	7.054	118.6	.2982	-.0085	-.0117	4.158	.0171
#2	1.509	58.47	7.393	118.7	.3032	-.0078	-.0098	4.166	.0247

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.423**	**.0001**	**-.1453**	**.0265**	**312.8**	**-.0033**	**.0271**
Stddev	.001	.0012	.0013	.0004	.4	.0063	.0003
%RSD	.0884	1190.	.9189	1.573	.1136	192.2	.9297
#1	1.424	-.0007	-.1462	.0267	313.1	.0012	.0269
#2	1.422	.0009	-.1443	.0262	312.6	-.0077	.0273

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82074.**	**15503.**	**1872.9**	**6123.2**
Stddev	7.	42.	2.3	1.3
%RSD	.00819	.26906	.12373	.02060
#1	82078.	15474.	1874.5	6124.1
#2	82069.	15533.	1871.2	6122.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 15:36:37 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.002**	**1.988**	**1.980**	**1.946**	**1.905**	**2.001**	**2.041**	**.2411**
Stddev	.001	.003	.008	.004	.003	.001	.001	.007	.0001
%RSD	.0421	.1621	.4225	.2149	.1543	.0346	.0261	.3259	.0318
#1	2.013	1.999	1.982	1.977	1.948	1.904	2.000	2.036	.2410
#2	2.014	2.004	1.994	1.983	1.944	1.905	2.001	2.045	.2411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.915**	**2.037**	**2.022**	**2.064**	**2.014**	**2.006**	**2.018**	**39.53**	**39.56**
Stddev	.001	.011	.015	.005	.001	.012	.010	.09	.09
%RSD	.0733	.5327	.7560	.2649	.0246	.5940	.4860	.2335	.2226
#1	1.914	2.029	2.011	2.060	2.014	1.998	2.011	39.60	39.50
#2	1.916	2.044	2.033	2.068	2.014	2.015	2.025	39.47	39.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.78**	**39.39**	**39.22**	**40.21**	**2.018**	**2.021**	**1.916**	**5.124**	**2.044**
Stddev	.07	.04	.03	.07	.010	.010	.002	.030	.007
%RSD	.1709	.0951	.0726	.1724	.4895	.5017	.0800	.5930	.3258
#1	40.73	39.36	39.20	40.25	2.011	2.013	1.917	5.102	2.039
#2	40.83	39.41	39.24	40.16	2.025	2.028	1.915	5.145	2.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 15:36:37 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.038**	**1.948**	**1.917**	**1.978**	**1.977**	**2.034**	**1.988**
Stddev	.005	.000	.015	.001	.007	.007	.003
%RSD	.2489	.0003	.7841	.0454	.3670	.3691	.1465
#1	2.035	1.948	1.906	1.977	1.971	2.029	1.986
#2	2.042	1.948	1.927	1.979	1.982	2.039	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80033.**	**15532.**	**1835.3**	**5804.9**
Stddev	49.	1.	7.7	16.0
%RSD	.06155	.00832	.42220	.27645
#1	79998.	15533.	1840.8	5816.2
#2	80068.	15531.	1829.8	5793.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 15:42:40 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0001**	**.0000**	**-.0003**	**.0000**	**.0001**	**-.0004**	**-.0007**
Stddev	.0000	.0000	.0001	.000	.0001	.000	.0000	.0002	.0001
%RSD	6.528	.0597	95.85	160.2	21.86	254.1	4.639	49.98	17.52
#1	.0002	.0001	.0000	.0000	-.0004	-.0001	.0001	-.0003	-.0008
#2	.0003	.0001	.0002	-.0001	-.0003	.0000	.0001	-.0005	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0000**	**-.0010**	**.0012**	**-.0001**	**.0015**	**.0011**	**.0029**	**-.0008**
Stddev	.0001	.0000	.0010	.0004	.0001	.0006	.0003	.0045	.0011
%RSD	42.64	20.78	100.8	35.38	85.33	39.09	27.24	152.0	138.2
#1	.0004	.0000	-.0003	.0015	.0000	.0019	.0009	.0061	.0000
#2	.0002	.0000	-.0016	.0009	-.0001	.0011	.0013	-.0002	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0076**	**.0237**	**-.0175**	**.0041**	**.0009**	**.0011**	**-.0005**	**.0016**	**-.0003**
Stddev	.0005	.0011	.0156	.0064	.0008	.0005	.0000	.0003	.0006
%RSD	6.516	4.468	89.11	157.1	89.18	44.06	7.934	18.84	215.5
#1	.0073	.0244	-.0065	.0086	.0015	.0014	-.0005	.0018	-.0007
#2	.0080	.0229	-.0285	-.0005	.0003	.0007	-.0005	.0014	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 15:42:40 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	**-.0021**	**.0003**	**.0022**	**-.0010**	**-.0007**
Stddev	.0000	.0000	.0013	.0001	.0009	.0002	.0000
%RSD	12.81	13.77	62.46	28.25	40.71	19.82	5.640
#1	.0001	.0003	-.0012	.0002	.0029	-.0009	-.0007
#2	.0001	.0003	-.0031	.0003	.0016	-.0012	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85574.**	**15681.**	**1923.5**	**6421.2**
Stddev	118.	47.	3.2	12.3
%RSD	.13764	.30257	.16781	.19133
#1	85657.	15647.	1921.2	6412.5
#2	85491.	15714.	1925.8	6429.8

Zoom In Zoom Out

Sample Name: jb69676-2f Acquired: 6/25/2014 15:49:00 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0268**	**.0000**	**.0013**	**.0058**	**.0018**	**.0036**	**10.04**	**.0097**	**.0002**
Stddev	.0001	.0001	.0006	.0005	.0006	.0001	.02	.0002	.0006
%RSD	.5542	324.0	50.79	9.122	32.09	3.048	.1834	2.050	283.0
#1	.0269	.0000	.0008	.0054	.0023	.0037	10.02	.0095	-.0002
#2	.0267	.0001	.0017	.0062	.0014	.0035	10.05	.0098	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0064**	**.1294**	**.0028**	**-.0100**	**.0033**	**-.0048**	**.0049**	**-.0145**	**355.8**
Stddev	.0002	.0009	.0014	.0040	.0022	.0008	.0014	.0064	.6
%RSD	2.934	.6661	50.98	40.08	67.76	16.46	29.41	43.91	.1634
#1	.0063	.1288	.0018	-.0128	.0017	-.0054	.0059	-.0100	355.4
#2	.0065	.1301	.0038	-.0071	.0049	-.0043	.0039	-.0190	356.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0022**	**123.0**	**7.190**	**98.12**	**1.705**	**.0105**	**-.0104**	**3.203**	**.0055**
Stddev	.0030	.3	.007	.14	.007	.0005	.0016	.010	.0018
%RSD	136.9	.2064	.1040	.1445	.4189	4.716	15.53	.3012	31.94
#1	.0043	122.8	7.185	98.22	1.700	.0101	-.0092	3.196	.0043
#2	.0001	123.2	7.195	98.02	1.710	.0108	-.0115	3.210	.0068

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.703**	**.0028**	**-.0162**	**.0381**	**394.4**	**.0006**	**.1091**
Stddev	.016	.0003	.0002	.0001	1.8	.0021	.0001
%RSD	.3461	11.14	1.266	.3437	.4499	341.7	.1360
#1	4.691	.0031	-.0164	.0382	393.1	-.0009	.1090
#2	4.714	.0026	-.0161	.0381	395.7	.0021	.1092

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77680.**	**15288.**	**1762.6**	**5578.9**
Stddev	18.	21.	4.3	5.8
%RSD	.02324	.14040	.24258	.10392
#1	77693.	15272.	1765.7	5583.0
#2	77668.	15303.	1759.6	5574.8

Zoom In Zoom Out

Sample Name: jb69676-13fconf Acquired: 6/25/2014 15:55:17 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0650**	**.0001**	**.0009**	**-.0003**	**.0015**	**.0076**	**.0414**	**.0015**	**-.0009**
Stddev	.0002	.0000	.0001	.0001	.0013	.0067	.0054	.0002	.0014
%RSD	.2538	42.86	9.736	38.12	88.01	87.86	13.08	14.19	164.6
#1	.0648	.0001	.0009	-.0004	.0006	.0029	.0376	.0017	-.0019
#2	.0651	.0001	.0008	-.0002	.0024	.0124	.0452	.0014	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0039**	**.1318**	**.0012**	**-.0012**	**.0075**	**-.0029**	**-.0003**	**.0096**	**73.44**
Stddev	.0006	.0032	.0009	.0007	.0004	.0059	.0014	.0223	.24
%RSD	15.65	2.394	72.74	62.45	4.938	206.4	419.6	231.3	.3331
#1	.0034	.1340	.0018	-.0017	.0078	.0013	-.0013	-.0061	73.26
#2	.0043	.1296	.0006	-.0006	.0073	-.0070	.0006	.0254	73.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0122**	**22.12**	**1.019**	**14.61**	**.1642**	**-.0002**	**-.0016**	**14.08**	**.0033**
Stddev	.0012	.12	.034	.03	.0022	.0000	.0002	.11	.0004
%RSD	9.706	.5596	3.373	.2095	1.329	11.77	10.58	.7717	13.72
#1	.0114	22.03	1.043	14.63	.1626	-.0002	-.0015	14.00	.0036
#2	.0131	22.21	.9947	14.59	.1657	-.0002	-.0018	14.16	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6320**	**.0006**	**-.0192**	**.0002**	**18.43**	**-.0011**	**.0212**
Stddev	.0007	.0006	.0009	.0005	.16	.0012	.0008
%RSD	.1093	109.1	4.863	288.4	.8471	111.5	3.752
#1	.6316	.0010	-.0199	.0005	18.32	-.0020	.0206
#2	.6325	.0001	-.0186	-.0002	18.54	-.0002	.0217

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	*****	**15410.**	**1863.4**	**6121.1**
Stddev	-----	21.	18.1	51.2
%RSD	-----	.13890	.97242	.83660
#1	82601.	15425.	1876.2	6157.3
#2	-----	15395.	1850.6	6084.9

Zoom In Zoom Out

Sample Name: jb69676-16f Acquired: 6/25/2014 16:01:30 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0066**	**.0000**	**.0014**	**.0003**	**.0022**	**.0039**	**.3396**	**.0046**	**-.0013**
Stddev	.0002	.0001	.0001	.0002	.0004	.0003	.0028	.0001	.0000
%RSD	2.543	3361.	5.549	66.86	20.04	6.830	.8279	1.901	3.058
#1	.0068	.0001	.0015	.0001	.0025	.0037	.3376	.0047	-.0013
#2	.0065	-.0001	.0014	.0004	.0019	.0040	.3416	.0046	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0007**	**.0023**	**-.0078**	**.0063**	**-.0079**	**.0051**	**-.0315**	**503.8**
Stddev	.0001	.0001	.0011	.0005	.0010	.0019	.0003	.0062	2.5
%RSD	20.08	17.67	46.37	6.303	15.59	23.87	6.117	19.71	.4982
#1	.0004	.0008	.0016	-.0082	.0069	-.0092	.0049	-.0359	505.6
#2	.0005	.0006	.0031	-.0075	.0056	-.0065	.0053	-.0271	502.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0404**	**49.60**	**1.571**	**112.9**	**3.552**	**.0426**	**-.0121**	**8.588**	**.0049**
Stddev	.0006	.14	.004	.2	.029	.0005	.0000	.056	.0003
%RSD	1.366	.2826	.2650	.1526	.8245	1.198	.1114	.6521	6.850
#1	.0408	49.70	1.568	113.0	3.531	.0423	-.0121	8.549	.0046
#2	.0400	49.50	1.574	112.7	3.573	.0430	-.0121	8.628	.0051

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**6.414**	**.0032**	**-.0239**	**.0463**	**484.1**	**.0028**	**.1600**
Stddev	.076	.0001	.0001	.0001	2.0	.0001	.0022
%RSD	1.179	2.702	.3090	.3110	.4151	4.052	1.350
#1	6.361	.0032	-.0239	.0464	482.7	.0029	.1585
#2	6.468	.0031	-.0240	.0462	485.5	.0027	.1616

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78477.**	**15347.**	**1746.6**	**5542.8**
Stddev	289.	80.	12.8	23.3
%RSD	.36816	.51964	.73564	.41979
#1	78681.	15291.	1755.7	5559.2
#2	78273.	15404.	1737.5	5526.3

Zoom In Zoom Out

Sample Name: jb69676-18f Acquired: 6/25/2014 16:07:55 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0073**	**.0000**	**.0013**	**.0003**	**.0023**	**.0041**	**.4065**	**.0046**	**-.0013**
Stddev	.0000	.000	.0005	.0001	.0005	.0002	.0003	.0007	.0007
%RSD	.0920	528.1	40.36	38.25	23.51	3.958	.0832	16.05	54.48
#1	.0073	-.0001	.0009	.0002	.0019	.0042	.4067	.0041	-.0008
#2	.0073	.0001	.0017	.0004	.0026	.0040	.4062	.0051	-.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0026**	**.0005**	**-.0112**	**.0047**	**-.0066**	**.0093**	**-.0444**	**544.5**
Stddev	.0000	.0005	.0008	.0043	.0017	.0018	.0019	.0174	2.4
%RSD	2.732	19.62	175.2	38.24	36.03	27.63	19.96	39.06	.4358
#1	.0004	.0022	.0010	-.0081	.0035	-.0053	.0080	-.0567	546.2
#2	.0003	.0030	-.0001	-.0142	.0059	-.0079	.0106	-.0322	542.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4002**	**32.74**	**1.848**	**96.55**	**3.135**	**.0401**	**-.0130**	**9.670**	**.0046**
Stddev	.0044	.17	.009	.02	.010	.0003	.0014	.013	.0017
%RSD	1.108	.5339	.4616	.0205	.3179	.8323	10.91	.1364	37.62
#1	.3970	32.87	1.842	96.53	3.128	.0399	-.0120	9.661	.0058
#2	.4033	32.62	1.854	96.56	3.142	.0404	-.0140	9.679	.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.610**	**.0033**	**-.0266**	**.0483**	**505.7**	**-.0002**	**.1502**
Stddev	.043	.0005	.0002	.0001	.5	.0005	.0000
%RSD	.5645	16.28	.6263	.2688	.1073	250.9	.0212
#1	7.641	.0037	-.0267	.0484	506.1	.0002	.1502
#2	7.580	.0029	-.0265	.0482	505.3	-.0006	.1503

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78046.**	**15215.**	**1763.2**	**5572.9**
Stddev	120.	47.	3.4	2.3
%RSD	.15423	.30889	.19077	.04157
#1	77961.	15182.	1765.6	5574.6
#2	78132.	15248.	1760.8	5571.3

Zoom In Zoom Out

Sample Name: jb69676-19f Acquired: 6/25/2014 16:14:20 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0310**	**.0000**	**.0013**	**.0006**	**.0019**	**.0038**	**.4173**	**.0049**	**-.0018**
Stddev	.0002	.000	.0003	.0000	.0001	.0000	.0023	.0002	.0002
%RSD	.7717	138.5	19.54	4.516	2.892	.8564	.5410	4.225	8.728
#1	.0309	.0000	.0015	.0006	.0018	.0038	.4189	.0051	-.0017
#2	.0312	-.0001	.0011	.0006	.0019	.0038	.4157	.0048	-.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0049**	**.0014**	**-.0100**	**.0031**	**-.0067**	**.0054**	**-.0416**	**537.4**
Stddev	.0001	.0002	.0006	.0020	.0023	.0015	.0003	.0084	1.3
%RSD	272.0	3.705	45.73	20.19	72.76	21.98	5.770	20.18	.2333
#1	.0000	.0051	.0009	-.0086	.0015	-.0057	.0052	-.0357	538.3
#2	.0002	.0048	.0018	-.0115	.0047	-.0078	.0056	-.0476	536.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4025**	**32.41**	**1.875**	**100.8**	**3.152**	**.0398**	**-.0143**	**9.757**	**.0047**
Stddev	.0038	.09	.025	.0	.022	.0006	.0012	.079	.0016
%RSD	.9526	.2814	1.324	.0350	.7081	1.569	8.495	.8057	33.53
#1	.4052	32.48	1.858	100.8	3.168	.0402	-.0135	9.813	.0058
#2	.3998	32.35	1.893	100.8	3.136	.0394	-.0152	9.701	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.611**	**.0036**	**-.0282**	**.0488**	**512.3**	**.0019**	**.1551**
Stddev	.039	.0003	.0018	.0002	4.0	.0004	.0007
%RSD	.5055	9.476	6.362	.4581	.7833	19.00	.4593
#1	7.639	.0038	-.0269	.0489	515.1	.0021	.1557
#2	7.584	.0033	-.0295	.0486	509.4	.0016	.1546

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77417.**	**15135.**	**1768.6**	**5547.9**
Stddev	48.	22.	12.1	35.9
%RSD	.06246	.14569	.68183	.64797
#1	77383.	15119.	1760.1	5522.5
#2	77451.	15151.	1777.1	5573.3

Zoom In Zoom Out

Sample Name: jb69676-20f Acquired: 6/25/2014 16:20:44 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0074**	**.0000**	**.0015**	**.0006**	**.0022**	**.0042**	**.4397**	**.0044**	**-.0014**
Stddev	.0000	.0001	.0002	.0001	.0000	.0000	.0004	.0002	.0005
%RSD	.2374	197.2	12.06	15.52	1.839	1.126	.0938	5.633	34.43
#1	.0074	.0001	.0013	.0007	.0022	.0042	.4400	.0042	-.0018
#2	.0074	.0000	.0016	.0006	.0022	.0042	.4394	.0046	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0021**	**.0021**	**-.0095**	**.0017**	**-.0050**	**.0058**	**-.0429**	**540.7**
Stddev	.0001	.0008	.0015	.0018	.0019	.0034	.0019	.0172	.5
%RSD	54.41	39.73	70.89	19.13	109.9	67.28	31.73	40.08	.0878
#1	-.0001	.0015	.0010	-.0082	.0030	-.0026	.0045	-.0551	540.4
#2	-.0003	.0027	.0031	-.0108	.0004	-.0074	.0072	-.0308	541.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4110**	**33.27**	**1.911**	**106.2**	**3.177**	**.0399**	**-.0129**	**9.679**	**.0058**
Stddev	.0017	.06	.018	.2	.015	.0004	.0001	.025	.0006
%RSD	.4233	.1819	.9156	.1709	.4624	1.098	.6329	.2607	10.95
#1	.4123	33.22	1.924	106.3	3.166	.0396	-.0128	9.662	.0062
#2	.4098	33.31	1.899	106.1	3.187	.0402	-.0129	9.697	.0053

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**7.670**	**.0040**	**-.0296**	**.0478**	**504.3**	**.0011**	**.1608**
Stddev	.153	.0001	.0008	.0003	1.1	.0013	.0015
%RSD	1.991	2.199	2.793	.6528	.2134	114.4	.9042
#1	7.778	.0039	-.0302	.0480	505.1	.0021	.1618
#2	7.562	.0040	-.0290	.0476	503.5	.0002	.1598

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75827.**	**14825.**	**1765.0**	**5550.6**
Stddev	3.	20.	7.5	12.9
%RSD	.00410	.13244	.42440	.23300
#1	75824.	14811.	1770.3	5559.7
#2	75829.	14839.	1759.7	5541.4

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/25/2014 16:27:15 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0024**	**-.0003**	**-.0011**	**-.0002**	**.0006**	**.0000**	**-.0005**
Stddev	.0001	.000	.0000	.0001	.0002	.0003	.0000	.0002	.0001
%RSD	70.96	912.6	1.432	47.28	22.43	123.0	3.549	1783.	24.90
#1	.0002	.0000	-.0024	-.0002	-.0013	-.0004	.0006	-.0002	-.0006
#2	.0001	.0000	-.0024	-.0004	-.0009	.0000	.0005	.0002	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0017**	**.0007**	**-.0074**	**-.0168**	**-.0050**	**-.0052**	**-.0022**	**.0256**
Stddev	.0000	.0001	.0018	.0014	.0003	.0003	.0006	.0020	.0011
%RSD	3.890	5.036	238.8	18.51	1.604	5.134	11.66	88.70	4.278
#1	.0004	.0016	.0020	-.0064	-.0170	-.0052	-.0057	-.0008	.0264
#2	.0004	.0017	-.0005	-.0084	-.0166	-.0048	-.0048	-.0036	.0249

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0019**	**.0093**	**-.0316**	**.0100**	**.0008**	**.0040**	**.0000**	**.0005**	**-.0001**
Stddev	.0008	.0211	.0117	.0014	.0005	.0001	.000	.0002	.0006
%RSD	44.45	225.5	37.08	14.18	62.53	3.533	1327.	35.40	872.4
#1	.0025	.0242	-.0399	.0090	.0011	.0039	.0001	.0004	-.0005
#2	.0013	-.0056	-.0233	.0110	.0004	.0041	-.0001	.0006	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0068**	**1.128**	**-.0010**	**.0348**	**-.0006**	**-.0007**
Stddev	.0000	.0000	.005	.0002	.0024	.0008	.0006
%RSD	29.13	.0274	.4391	16.60	6.913	130.8	90.39
#1	.0001	.0068	1.125	-.0011	.0331	.0000	-.0002
#2	.0001	.0068	1.132	-.0009	.0365	-.0011	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87286.**	**15788.**	**1948.8**	**6509.2**
Stddev	45.	5.	5.0	15.9
%RSD	.05207	.03226	.25849	.24484
#1	87318.	15784.	1952.4	6520.5
#2	87254.	15791.	1945.3	6498.0

Zoom In Zoom Out

Sample Name: mp80247-mb1conf Acquired: 6/25/2014 16:33:33 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0008**	**.0000**	**.0001**	**-.0001**	**.0012**	**.0006**	**.0005**	**.0002**	**-.0008**
Stddev	.0000	.000	.0002	.0000	.0002	.0001	.0000	.0000	.0000
%RSD	5.814	673.7	288.1	25.71	20.51	15.89	2.466	15.10	2.792
#1	.0009	.0000	-.0001	-.0001	.0010	.0006	.0005	.0001	-.0008
#2	.0008	.0000	.0002	-.0001	.0014	.0005	.0005	.0002	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0046**	**.0003**	**-.0002**	**.0005**	**.0010**	**-.0003**	**.0112**	**.0985**
Stddev	.0001	.0001	.0001	.0001	.0009	.0002	.0002	.0050	.0038
%RSD	173.2	1.532	39.30	55.95	190.9	17.97	54.12	44.92	3.827
#1	.0001	.0045	.0002	-.0001	-.0002	.0008	-.0004	.0076	.1012
#2	.0000	.0046	.0003	-.0002	.0012	.0011	-.0002	.0147	.0959

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0368**	**.0249**	**.0029**	**.0190**	**.0011**	**-.0010**	**.0003**	**.0134**	**.0192**
Stddev	.0002	.0101	.0052	.0038	.0003	.0001	.0002	.0003	.0003
%RSD	.5608	40.70	180.7	20.27	28.72	5.156	60.67	2.504	1.441
#1	.0367	.0321	.0066	.0217	.0009	-.0011	.0004	.0136	.0190
#2	.0370	.0177	-.0008	.0163	.0013	-.0010	.0002	.0131	.0194

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0004**	**-.0092**	**-.0002**	**.0123**	**-.0011**	**-.0010**
Stddev	.0000	.0000	.0004	.0000	.0030	.0005	.0005
%RSD	2.892	1.261	3.802	16.18	24.33	47.32	51.15
#1	.0002	.0004	-.0095	-.0002	.0102	-.0014	-.0014
#2	.0002	.0004	-.0090	-.0002	.0144	-.0007	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85280.**	**15647.**	**1908.9**	**6391.9**
Stddev	158.	100.	2.1	2.1
%RSD	.18488	.64130	.10924	.03222
#1	85392.	15576.	1907.5	6393.3
#2	85169.	15718.	1910.4	6390.4

Zoom In Zoom Out

Sample Name: W100ppbconf Acquired: 6/25/2014 16:39:51 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0002**	**-.0002**	**-.0001**	**-.0003**	**.0001**	**-.0003**	**-.0006**
Stddev	.0001	.000	.0001	.0000	.0005	.0001	.0000	.0004	.0000
%RSD	67.85	2.903	45.17	8.194	530.1	26.96	22.41	125.1	7.645
#1	.0002	.0000	-.0002	-.0002	-.0005	-.0004	.0001	-.0006	-.0006
#2	.0001	.0000	-.0003	-.0002	.0003	-.0003	.0002	.0000	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0010**	**-.0004**	**-.0016**	**-.0010**	**.0002**	**.0008**	**-.0063**	**.0100**
Stddev	.0001	.0000	.0004	.0007	.0003	.0002	.0004	.0025	.0036
%RSD	207.9	2.611	107.9	42.02	29.98	118.2	45.13	39.70	36.33
#1	.0001	.0009	-.0001	-.0021	-.0012	.0000	.0010	-.0045	.0075
#2	.0000	.0010	-.0006	-.0011	-.0008	.0004	.0005	-.0081	.0126

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0013**	**.0194**	**-.0477**	**.0018**	**-.0005**	**-.0007**	**-.0003**	**-.0001**	**.0000**
Stddev	.0009	.0076	.0219	.0040	.0000	.0001	.0005	.0005	.001
%RSD	70.09	39.43	45.94	225.5	7.110	11.23	188.0	614.1	9314.
#1	.0020	.0140	-.0322	.0046	-.0005	-.0006	-.0006	-.0005	-.0007
#2	.0007	.0247	-.0632	-.0011	-.0004	-.0007	.0001	.0003	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0008**	**.1023**	**-.0005**	**.0097**	**-.0004**	**-.0003**
Stddev	.0000	.0002	.0006	.0000	.0028	.0011	.0001
%RSD	58.57	31.23	.5439	2.488	28.67	296.3	21.45
#1	.0001	.0006	.1019	-.0005	.0077	-.0011	-.0003
#2	.0000	.0009	.1027	-.0004	.0117	.0004	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86386.**	**15768.**	**1956.0**	**6497.8**
Stddev	147.	96.	2.7	5.1
%RSD	.16999	.60606	.13768	.07863
#1	86283.	15836.	1954.1	6494.2
#2	86490.	15701.	1957.9	6501.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 16:46:10 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**1.997**	**1.960**	**1.967**	**1.919**	**1.910**	**2.025**	**2.048**	**.2433**
Stddev	.002	.002	.011	.007	.001	.003	.002	.004	.0009
%RSD	.1210	.1209	.5825	.3339	.0719	.1368	.0783	.1840	.3642
#1	2.018	1.995	1.952	1.962	1.918	1.909	2.024	2.046	.2427
#2	2.021	1.998	1.968	1.972	1.920	1.912	2.026	2.051	.2440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.917**	**2.036**	**2.025**	**2.056**	**2.008**	**2.008**	**2.029**	**40.04**	**39.09**
Stddev	.000	.007	.008	.005	.009	.003	.008	.07	.00
%RSD	.0075	.3306	.4107	.2557	.4230	.1706	.3980	.1724	.0034
#1	1.917	2.031	2.019	2.053	2.002	2.005	2.023	40.08	39.09
#2	1.917	2.041	2.030	2.060	2.014	2.010	2.035	39.99	39.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.93**	**39.18**	**39.51**	**41.10**	**2.015**	**2.011**	**1.914**	**5.169**	**2.024**
Stddev	.09	.02	.01	.11	.006	.010	.003	.017	.008
%RSD	.2191	.0515	.0128	.2709	.3162	.4856	.1372	.3251	.4131
#1	40.87	39.19	39.51	41.17	2.011	2.004	1.913	5.157	2.018
#2	40.99	39.17	39.51	41.02	2.020	2.017	1.916	5.181	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 16:46:10 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**1.939**	**1.890**	**1.942**	**1.984**	**2.040**	**1.995**
Stddev	.009	.003	.020	.000	.010	.010	.006
%RSD	.4258	.1558	1.031	.0216	.4925	.4917	.2931
#1	2.018	1.937	1.876	1.942	1.977	2.033	1.991
#2	2.030	1.942	1.904	1.943	1.991	2.047	1.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80377.**	**15507.**	**1846.4**	**5811.6**
Stddev	95.	38.	8.0	17.0
%RSD	.11856	.24740	.43128	.29295
#1	80445.	15479.	1852.0	5823.6
#2	80310.	15534.	1840.7	5799.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 16:52:13 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**-.0002**	**-.0002**	**.0001**	**.0000**	**.0000**	**-.0003**
Stddev	.0001	.0000	.0002	.0000	.0004	.0000	.0000	.000	.0002
%RSD	81.96	65.05	251.5	8.021	241.7	14.93	276.3	768.6	51.26
#1	.0001	.0001	-.0001	-.0002	.0001	.0001	.0000	-.0002	-.0002
#2	.0000	.0000	.0002	-.0002	-.0004	.0001	.0000	.0002	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0011**	**-.0005**	**.0004**	**.0006**	**-.0016**	**.0012**	**.0000**	**.0018**
Stddev	.0002	.0002	.0001	.0001	.0002	.0001	.0020	.004	.0010
%RSD	107.6	13.75	26.21	30.31	42.18	6.991	173.8	9343.	56.15
#1	.0003	.0010	-.0004	.0003	.0004	-.0015	-.0003	.0025	.0011
#2	.0000	.0012	-.0006	.0005	.0007	-.0017	.0026	-.0026	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0070**	**-.0306**	**.0004**	**.0013**	**.0010**	**.0005**	**-.0008**	**-.0001**
Stddev	.0004	.0039	.0111	.0077	.0002	.0003	.0002	.0001	.0001
%RSD	44.74	56.61	36.10	1897.	14.96	29.18	45.47	11.96	136.6
#1	.0006	.0042	-.0385	-.0050	.0015	.0012	.0006	-.0007	.0000
#2	.0011	.0097	-.0228	.0059	.0012	.0008	.0003	-.0009	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 16:52:13 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0012**	**.0002**	**.0030**	**-.0001**	**-.0002**
Stddev	.0000	.0000	.0006	.0001	.0006	.0001	.0003
%RSD	17.78	15.52	47.86	52.87	20.23	43.74	132.9
#1	.0000	-.0001	-.0008	.0002	.0026	-.0002	-.0004
#2	.0001	-.0001	-.0016	.0003	.0034	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85952.**	**15637.**	**1926.0**	**6425.4**
Stddev	3.	73.	2.9	16.3
%RSD	.00369	.46615	.14935	.25352
#1	85950.	15585.	1928.0	6437.0
#2	85954.	15688.	1924.0	6413.9

Zoom In Zoom Out

Sample Name: mp80247-s1 Acquired: 6/25/2014 16:58:32 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.570**	**.1030**	**.0961**	**.9730**	**.5507**	**.6213**	**3.397**	**1.075**	**.1028**
Stddev	.003	.0000	.0007	.0064	.0036	.0001	.016	.006	.0010
%RSD	.0673	.0481	.6994	.6559	.6481	.0179	.4714	.5786	.9549
#1	4.573	.1030	.0956	.9685	.5533	.6213	3.409	1.071	.1021
#2	4.568	.1030	.0966	.9776	.5482	.6214	3.386	1.080	.1035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.096**	**1.374**	**4.168**	**4.044**	**1.287**	**4.040**	**.4658**	**103.2**	**1013.**
Stddev	.006	.002	.009	.025	.004	.011	.0051	.0	10.
%RSD	.5565	.1113	.2216	.6116	.3030	.2763	1.094	.0261	.9412
#1	1.101	1.373	4.161	4.027	1.285	4.032	.4622	103.2	1020.
#2	1.092	1.375	4.175	4.061	1.290	4.048	.4694	103.2	1007.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**155.2**	**527.5**	**24.13**	**14.50**	**.0443**	**.0138**	**-.0564**	**8.603**	**.0380**
Stddev	.5	3.4	.17	.01	.0027	.0000	.0026	.051	.0010
%RSD	.3155	.6485	.6952	.0704	6.107	.2434	4.649	.5909	2.541
#1	155.5	529.9	24.25	14.49	.0462	.0137	-.0583	8.567	.0387
#2	154.8	525.1	24.02	14.51	.0423	.0138	-.0546	8.639	.0373

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8570**	**3.388**	**-.0123**	**.0731**	**9.200**	**-.0546**	**.0548**
Stddev	.0043	.015	.0004	.0006	.034	.0025	.0009
%RSD	.5022	.4386	3.514	.8464	.3703	4.507	1.700
#1	.8601	3.399	-.0126	.0736	9.176	-.0528	.0541
#2	.8540	3.378	-.0120	.0727	9.224	-.0563	.0555

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76495.**	**14967.**	**1739.4**	**5318.6**
Stddev	120.	38.	12.4	39.3
%RSD	.15734	.25453	.71490	.73799
#1	76410.	14940.	1748.2	5346.3
#2	76580.	14994.	1730.6	5290.8

Zoom In Zoom Out

Sample Name: mp80247-s2 Acquired: 6/25/2014 17:04:41 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.526**	**.1033**	**.0975**	**.9923**	**.5112**	**.6276**	**3.441**	**1.081**	**.1041**
Stddev	.010	.0002	.0002	.0059	.0003	.0007	.007	.002	.0007
%RSD	.2304	.2120	.1788	.5931	.0672	.1163	.1993	.2015	.7045
#1	4.518	.1035	.0973	.9881	.5110	.6271	3.446	1.080	.1036
#2	4.533	.1032	.0976	.9965	.5115	.6282	3.436	1.083	.1046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.108**	**1.390**	**4.208**	**4.089**	**1.285**	**4.084**	**.4942**	**100.6**	**1004.**
Stddev	.004	.006	.014	.007	.008	.008	.0053	.0	8.
%RSD	.3929	.4437	.3200	.1728	.5999	.1997	1.068	.0124	.7534
#1	1.111	1.386	4.198	4.084	1.279	4.078	.4979	100.6	1010.
#2	1.105	1.395	4.217	4.094	1.290	4.089	.4904	100.6	999.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**137.6**	**541.7**	**23.10**	**14.67**	**.0341**	**.0101**	**-.0548**	**14.18**	**.0325**
Stddev	.4	2.9	.07	.06	.0011	.0007	.0009	.03	.0023
%RSD	.3160	.5351	.2969	.3757	3.214	6.720	1.601	.2431	7.186
#1	137.9	543.8	23.06	14.63	.0333	.0096	-.0554	14.16	.0342
#2	137.3	539.7	23.15	14.71	.0349	.0106	-.0541	14.21	.0309

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7391**	**3.117**	**-.0201**	**.0681**	**8.078**	**-.0559**	**.0488**
Stddev	.0008	.006	.0017	.0005	.005	.0007	.0023
%RSD	.1057	.1896	8.372	.7039	.0628	1.288	4.795
#1	.7386	3.121	-.0189	.0684	8.075	-.0564	.0504
#2	.7397	3.113	-.0213	.0678	8.082	-.0554	.0471

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75524.**	**15097.**	**1745.2**	**5318.9**
Stddev	171.	71.	1.6	7.1
%RSD	.22614	.47144	.09407	.13400
#1	75403.	15046.	1746.4	5324.0
#2	75644.	15147.	1744.1	5313.9

Zoom In Zoom Out

Sample Name: jb69621-5 Acquired: 6/25/2014 17:10:51 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7572**	**.0077**	**.0041**	**.0280**	**.1442**	**.2786**	**4.457**	**.0782**	**.0026**
Stddev	.0014	.0001	.0001	.0002	.0009	.0023	.008	.0024	.0001
%RSD	.1802	.9733	1.782	.8469	.6047	.8270	.1713	3.032	3.871
#1	.7562	.0078	.0041	.0279	.1436	.2802	4.452	.0799	.0027
#2	.7582	.0077	.0040	.0282	.1448	.2770	4.462	.0765	.0025

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1821**	**.5929**	**.0343**	**-.0056**	**.4783**	**.0024**	**-.0077**	**69.84**	**1180.**
Stddev	.0000	.0006	.0002	.0003	.0054	.0013	.0001	.04	3.
%RSD	.0149	.0939	.5264	5.182	1.125	53.53	.9694	.0503	.2448
#1	.1821	.5925	.0345	-.0058	.4821	.0015	-.0076	69.86	1178.
#2	.1821	.5933	.0342	-.0054	.4745	.0034	-.0077	69.81	1182.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**84.79**	**642.2**	**14.12**	**1.789**	**.0631**	**.0058**	**-.0433**	**2.717**	**.0384**
Stddev	.17	1.8	.03	.005	.0022	.0003	.0025	.004	.0009
%RSD	.1991	.2878	.2382	.2745	3.469	5.330	5.729	.1359	2.280
#1	84.91	643.5	14.09	1.793	.0647	.0056	-.0450	2.714	.0390
#2	84.67	640.9	14.14	1.786	.0616	.0060	-.0415	2.719	.0378

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9387**	**4.605**	**-.0346**	**.1059**	**11.48**	**-.0872**	**.0776**
Stddev	.0004	.000	.0022	.0001	.00	.0026	.0001
%RSD	.0431	.0049	6.492	.0659	.0297	2.978	.1469
#1	.9384	4.605	-.0330	.1059	11.48	-.0854	.0777
#2	.9389	4.605	-.0362	.1058	11.48	-.0891	.0776

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76748.**	**15402.**	**1765.9**	**5243.0**
Stddev	175.	21.	8.7	21.9
%RSD	.22814	.13929	.49179	.41764
#1	76624.	15387.	1772.1	5258.5
#2	76871.	15418.	1759.8	5227.5

Zoom In Zoom Out

Sample Name: mp80247-sd1 Acquired: 6/25/2014 17:17:05 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 15.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7731**	**.0079**	**.0081**	**.0272**	**.1635**	**.2805**	**4.717**	**.0874**	**-.0050**
Stddev	.0018	.0001	.0014	.0034	.0003	.0055	.042	.0095	.0020
%RSD	.2337	1.010	17.85	12.45	.1999	1.961	.8805	10.83	40.17
#1	.7744	.0080	.0071	.0248	.1637	.2766	4.687	.0807	-.0065
#2	.7718	.0078	.0091	.0296	.1632	.2844	4.746	.0941	-.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1830**	**.6186**	**.0392**	**.0072**	**.5096**	**-.0556**	**-.0109**	**68.77**	**1282.**
Stddev	.0016	.0031	.0126	.0199	.0000	.0473	.0120	.22	2.
%RSD	.8821	.4968	32.08	275.1	.0020	85.04	110.6	.3172	.1173
#1	.1842	.6208	.0481	.0213	.5096	-.0890	-.0024	68.61	1283.
#2	.1819	.6164	.0303	-.0068	.5096	-.0222	-.0194	68.92	1281.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**90.38**	**650.6**	**13.43**	**1.773**	**-.0170**	**-.0045**	**-.0641**	**2.586**	**.0531**
Stddev	.33	1.4	.01	.140	.0105	.0006	.0073	.026	.0013
%RSD	.3681	.2081	.0464	7.867	61.78	13.46	11.40	1.012	2.466
#1	90.15	651.6	13.43	1.872	-.0096	-.0049	-.0590	2.605	.0522
#2	90.62	649.7	13.43	1.675	-.0244	-.0040	-.0693	2.568	.0540

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9759**	**4.760**	**-.2067**	**.1087**	**11.02**	**-.0818**	**.0643**
Stddev	.0025	.027	.0009	.0003	.01	.0065	.0007
%RSD	.2590	.5596	.4376	.2493	.0901	7.938	1.018
#1	.9741	4.741	-.2073	.1085	11.03	-.0772	.0648
#2	.9777	4.779	-.2060	.1089	11.01	-.0864	.0639

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80120.**	**15476.**	**1851.8**	**5910.0**
Stddev	320.	23.	6.5	14.0
%RSD	.39922	.15138	.35215	.23691
#1	80346.	15493.	1847.2	5900.1
#2	79894.	15460.	1856.4	5919.9

Zoom In Zoom Out

Sample Name: mp80247-ps1 Acquired: 6/25/2014 17:23:17 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.723**	**.1097**	**.1088**	**.5521**	**.6005**	**.7257**	**4.400**	**.5956**	**.0936**
Stddev	.003	.0011	.0011	.0020	.0037	.0043	.008	.0030	.0005
%RSD	.0443	1.012	1.028	.3557	.6222	.5892	.1911	.5007	.5498
#1	5.725	.1089	.1096	.5507	.6031	.7287	4.406	.5977	.0932
#2	5.722	.1105	.1081	.5535	.5978	.7227	4.394	.5935	.0940

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6452**	**1.058**	**.5581**	**.0893**	**.9507**	**.5127**	**.5169**	**65.13**	**1142.**
Stddev	.0022	.003	.0002	.0139	.0029	.0014	.0026	.16	11.
%RSD	.3378	.2811	.0361	15.58	.3064	.2783	.5075	.2504	.9638
#1	.6468	1.056	.5579	.0795	.9486	.5117	.5188	65.02	1134.
#2	.6437	1.060	.5582	.0992	.9527	.5138	.5151	65.25	1150.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**80.18**	**656.6**	**115.7**	**108.7**	**1.094**	**.5253**	**-.0493**	**1.531**	**.5360**
Stddev	.00	2.8	.0	.1	.003	.0028	.0040	.023	.0045
%RSD	.0019	.4287	.0339	.1102	.2654	.5275	8.117	1.501	.8406
#1	80.18	654.6	115.7	108.6	1.092	.5233	-.0465	1.515	.5392
#2	80.18	658.6	115.6	108.8	1.096	.5272	-.0522	1.547	.5328

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.312**	**4.418**	**-.0670**	**.0942**	**9.749**	**-.0866**	**.0673**
Stddev	.006	.006	.0034	.0007	.049	.0051	.0024
%RSD	.4279	.1434	5.033	.6953	.4997	5.835	3.624
#1	1.316	4.422	-.0694	.0947	9.714	-.0902	.0691
#2	1.308	4.413	-.0646	.0937	9.783	-.0830	.0656

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78493.**	**15396.**	**1787.4**	**5428.0**
Stddev	61.	88.	7.9	21.3
%RSD	.07817	.57104	.43970	.39236
#1	78536.	15458.	1793.0	5443.1
#2	78449.	15334.	1781.8	5412.9

Zoom In Zoom Out

Sample Name: jb69620-3 Acquired: 6/25/2014 17:29:29 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3362**	**.0045**	**.0047**	**1.209**	**160.9**	**.1940**	**8.595**	**4.069**	**.0263**
Stddev	.0003	.0003	.0007	.004	.2	.0007	.012	.003	.0016
%RSD	.0938	6.458	14.21	.3395	.0971	.3422	.1359	.0846	6.153
#1	.3360	.0047	.0042	1.212	161.0	.1935	8.587	4.072	.0274
#2	.3365	.0043	.0051	1.206	160.8	.1945	8.603	4.067	.0252

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.159**	**3.836**	**-.0556**	**-.0122**	**.3428**	**-.0178**	**.0773**	**361.6**	**1313.**
Stddev	.014	.018	.0026	.0100	.0086	.0036	.0065	.7	15.
%RSD	.1488	.4768	4.680	81.55	2.506	19.92	8.456	.1833	1.174
#1	9.150	3.849	-.0574	-.0052	.3489	-.0203	.0726	361.2	1302.
#2	9.169	3.823	-.0538	-.0193	.3367	-.0153	.0819	362.1	1324.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**923.0**	**335.6**	**1.615**	**7.673**	**.0776**	**.0031**	**-.1857**	**.2534**	**.0821**
Stddev	3.4	3.6	.097	.047	.0001	.0001	.0000	.0066	.0034
%RSD	.3728	1.068	6.007	.6080	.1000	4.725	.0044	2.605	4.194
#1	920.5	333.1	1.546	7.640	.0776	.0032	-.1857	.2487	.0846
#2	925.4	338.1	1.683	7.706	.0775	.0030	-.1857	.2581	.0797

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7068**	**16.05**	**-.0221**	**.0857**	**36.83**	**-.1580**	**.0416**
Stddev	.0000	.03	.0019	.0008	.03	.0011	.0034
%RSD	.0052	.1734	8.432	.8944	.0763	.6915	8.255
#1	.7069	16.03	-.0208	.0862	36.85	-.1588	.0441
#2	.7068	16.07	-.0235	.0851	36.81	-.1573	.0392

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77432.**	**15130.**	**1712.1**	**5663.2**
Stddev	57.	145.	6.2	15.7
%RSD	.07403	.95796	.36413	.27787
#1	77472.	15232.	1716.5	5674.3
#2	77391.	15027.	1707.7	5652.1

Zoom In Zoom Out

Sample Name: jb69620-5 Acquired: 6/25/2014 17:35:47 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5403**	**.0052**	**.0044**	**.6481**	**60.22**	**.3048**	**5.347**	**2.178**	**.0184**
Stddev	.0011	.0001	.0001	.0187	.83	.0012	.007	.066	.0004
%RSD	.2108	1.920	2.997	2.885	1.370	.3918	.1345	3.045	2.139
#1	.5395	.0053	.0043	.6349	60.81	.3056	5.352	2.131	.0187
#2	.5411	.0052	.0045	.6614	59.64	.3040	5.342	2.224	.0181

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**5.123**	**2.448**	**.0147**	**-.0062**	**.4058**	**-.0045**	**-.0343**	**231.9**	**659.2**
Stddev	.013	.080	.0119	.0083	.0165	.0067	.0491	.1	.7
%RSD	.2476	3.259	81.55	135.0	4.075	149.4	143.2	.0265	.1084
#1	5.132	2.391	.0062	-.0003	.3942	.0003	-.0690	231.9	658.7
#2	5.114	2.504	.0231	-.0120	.4175	-.0092	.0004	231.8	659.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**552.3**	**485.4**	**9.266**	**22.73**	**1.267**	**.0133**	**-.1147**	**1.894**	**.0621**
Stddev	.2	.5	.007	.04	.044	.0005	.0010	.088	.0030
%RSD	.0280	.1020	.0736	.1982	3.483	3.696	.8974	4.649	4.885
#1	552.2	485.0	9.261	22.76	1.236	.0130	-.1155	1.832	.0599
#2	552.4	485.7	9.271	22.69	1.298	.0137	-.1140	1.956	.0642

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.767**	**10.20**	**.0073**	**.0791**	**19.60**	**-.1341**	**.1290**
Stddev	.016	.01	.0014	.0002	.64	.0034	.0022
%RSD	.3328	.0947	18.71	.2520	3.283	2.556	1.669
#1	4.756	10.21	.0063	.0792	19.14	-.1316	.1275
#2	4.778	10.19	.0082	.0789	20.05	-.1365	.1306

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74066.**	**14855.**	**1671.5**	**5526.0**
Stddev	51.	16.	53.6	140.6
%RSD	.06913	.10536	3.2045	2.5444
#1	74030.	14844.	1709.3	5625.4
#2	74102.	14866.	1633.6	5426.6

Zoom In Zoom Out

Sample Name: jb69621-6 Acquired: 6/25/2014 17:42:04 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1578**	**.0021**	**.0013**	**.0204**	**.0539**	**.0664**	**3.184**	**.0363**	**.0008**
Stddev	.0004	.0000	.0003	.0001	.0003	.0002	.005	.0003	.0004
%RSD	.2629	.3753	20.48	.2644	.5841	.2619	.1522	.8378	44.91
#1	.1581	.0021	.0015	.0205	.0537	.0666	3.180	.0361	.0011
#2	.1575	.0021	.0011	.0204	.0541	.0663	3.187	.0366	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0526**	**.1812**	**.0103**	**.0012**	**.1124**	**.0067**	**-.0094**	**16.23**	**1721.**
Stddev	.0002	.0006	.0009	.0002	.0019	.0028	.0019	.04	8.
%RSD	.3963	.3494	9.057	20.60	1.674	41.33	20.68	.2162	.4930
#1	.0524	.1816	.0110	.0010	.1137	.0047	-.0107	16.20	1715.
#2	.0527	.1807	.0097	.0013	.1110	.0086	-.0080	16.25	1727.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**46.55**	**1136.**	**2.566**	**.7057**	**.0090**	**.0073**	**-.0409**	**8.025**	**.0246**
Stddev	.04	1.	.010	.0053	.0020	.0006	.0007	.029	.0002
%RSD	.0788	.1191	.3960	.7496	22.09	7.872	1.678	.3667	.7984
#1	46.52	1135.	2.573	.7020	.0076	.0069	-.0404	8.046	.0245
#2	46.57	1137.	2.559	.7095	.0104	.0077	-.0414	8.004	.0248

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5598**	**.6923**	**-.0294**	**.0237**	**1.939**	**-.0057**	**.0363**
Stddev	.0017	.0004	.0023	.0000	.003	.0007	.0005
%RSD	.3052	.0642	7.689	.0232	.1588	11.61	1.460
#1	.5610	.6926	-.0310	.0237	1.937	-.0053	.0359
#2	.5586	.6920	-.0278	.0237	1.941	-.0062	.0367

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70003.**	**14451.**	**1572.0**	**4786.9**
Stddev	21.	10.	1.8	4.3
%RSD	.03011	.07134	.11369	.09072
#1	69989.	14458.	1573.3	4790.0
#2	70018.	14444.	1570.8	4783.9

Zoom In Zoom Out

Sample Name: jb69621-6 Acquired: 6/25/2014 17:48:20 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1570**	**.0020**	**.0029**	**.0181**	**.0572**	**.0680**	**3.276**	**.0412**	**.0011**
Stddev	.0004	.0001	.0012	.0024	.0013	.0006	.003	.0039	.0045
%RSD	.2309	6.384	41.53	13.09	2.263	.8267	.0904	9.411	407.8
#1	.1568	.0019	.0020	.0164	.0563	.0684	3.274	.0384	-.0021
#2	.1573	.0021	.0037	.0198	.0581	.0676	3.278	.0439	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0539**	**.1845**	**.0107**	**.0038**	**.1224**	**-.0020**	**-.0105**	**16.27**	**1764.**
Stddev	.0026	.0008	.0020	.0022	.0057	.0032	.0027	.06	8.
%RSD	4.751	.4468	18.90	57.56	4.678	158.4	26.00	.3896	.4510
#1	.0558	.1839	.0093	.0054	.1184	.0002	-.0086	16.23	1770.
#2	.0521	.1851	.0121	.0023	.1265	-.0043	-.0124	16.32	1759.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**47.08**	**1101.**	**2.309**	**.7495**	**-.0159**	**.0047**	**-.0514**	**7.892**	**.0266**
Stddev	.01	1.	.073	.0005	.0010	.0003	.0009	.020	.0025
%RSD	.0123	.1257	3.172	.0694	6.153	5.324	1.776	.2540	9.376
#1	47.08	1102.	2.361	.7491	-.0152	.0045	-.0520	7.907	.0284
#2	47.07	1100.	2.258	.7499	-.0166	.0049	-.0507	7.878	.0248

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5501**	**.6974**	**-.0809**	**.0219**	**1.843**	**-.0036**	**.0345**
Stddev	.0014	.0006	.0035	.0002	.012	.0073	.0065
%RSD	.2463	.0908	4.319	.9971	.6689	202.9	18.90
#1	.5510	.6978	-.0834	.0221	1.852	.0016	.0299
#2	.5491	.6969	-.0784	.0218	1.834	-.0087	.0391

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74903.**	**14976.**	**1698.8**	**5280.4**
Stddev	121.	21.	6.5	11.2
%RSD	.16142	.13908	.38203	.21231
#1	74988.	14961.	1703.4	5288.3
#2	74817.	14991.	1694.2	5272.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 17:54:41 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.024**	**2.014**	**1.960**	**1.973**	**1.922**	**1.941**	**2.036**	**2.042**	**.2440**
Stddev	.003	.001	.005	.006	.003	.005	.003	.007	.0015
%RSD	.1388	.0503	.2405	.3301	.1681	.2776	.1443	.3517	.5980
#1	2.026	2.013	1.957	1.968	1.919	1.945	2.038	2.037	.2430
#2	2.022	2.014	1.964	1.977	1.924	1.937	2.034	2.047	.2450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.957**	**2.036**	**2.011**	**2.064**	**2.016**	**1.996**	**2.016**	**40.60**	**38.72**
Stddev	.007	.009	.010	.034	.000	.016	.006	.00	.14
%RSD	.3469	.4569	.4817	1.646	.0161	.7997	.3164	.0030	.3497
#1	1.962	2.029	2.004	2.040	2.016	1.985	2.012	40.60	38.62
#2	1.953	2.042	2.018	2.088	2.016	2.008	2.021	40.60	38.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.71**	**38.90**	**39.61**	**41.67**	**2.006**	**2.008**	**1.932**	**4.958**	**2.018**
Stddev	.03	.20	.04	.02	.004	.010	.000	.015	.010
%RSD	.0749	.5205	.1060	.0436	.1793	.5143	.0229	.3043	.4798
#1	40.68	38.75	39.58	41.68	2.004	2.001	1.932	4.947	2.011
#2	40.73	39.04	39.64	41.66	2.009	2.016	1.933	4.968	2.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 17:54:41 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.957**	**1.890**	**1.949**	**1.980**	**2.028**	**1.990**
Stddev	.002	.000	.014	.001	.031	.006	.001
%RSD	.0870	.0189	.7448	.0437	1.578	.2790	.0539
#1	2.003	1.957	1.880	1.948	1.958	2.024	1.991
#2	2.001	1.957	1.900	1.949	2.002	2.032	1.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79157.**	**15367.**	**1841.7**	**5783.1**
Stddev	183.	106.	2.3	10.6
%RSD	.23102	.68807	.12637	.18266
#1	79027.	15442.	1843.4	5790.5
#2	79286.	15292.	1840.1	5775.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 18:00:44 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**-.0001**	**-.0001**	**-.0002**	**-.0001**	**.0001**	**.0000**	**-.0007**
Stddev	.0001	.0000	.0001	.0001	.0003	.0000	.0000	.000	.0004
%RSD	51.59	43.98	119.4	112.0	202.8	29.22	23.38	662.3	61.47
#1	.0003	.0000	-.0002	-.0001	-.0004	-.0001	.0001	.0001	-.0004
#2	.0001	.0001	.0000	.0000	.0001	-.0001	.0001	-.0002	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0009**	**-.0010**	**.0002**	**.0000**	**.0006**	**.0008**	**.0020**	**.0018**
Stddev	.0001	.0001	.0008	.0023	.001	.0008	.0009	.0017	.0002
%RSD	79.51	5.759	80.36	1116.	2473.	137.6	111.5	85.70	11.05
#1	.0002	.0009	-.0015	.0018	.0004	.0012	.0015	.0008	.0017
#2	.0000	.0010	-.0004	-.0014	-.0004	.0000	.0002	.0032	.0020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0156**	**-.0225**	**-.0030**	**.0008**	**.0011**	**.0004**	**.0030**	**.0000**
Stddev	.0001	.0066	.0174	.0002	.0008	.0005	.0004	.0015	.001
%RSD	3.085	42.55	77.25	7.923	96.67	45.13	94.23	51.37	2211.
#1	.0027	.0109	-.0102	-.0029	.0002	.0014	.0001	.0019	-.0004
#2	.0025	.0203	-.0348	-.0032	.0013	.0007	.0006	.0041	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 18:00:44 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0023**	**.0004**	**-.0003**	**.0000**	**-.0014**
Stddev	.0000	.0000	.0010	.0000	.0001	.001	.0001
%RSD	23.32	56.84	40.87	9.321	43.09	2883.	9.144
#1	.0000	-.0001	-.0017	.0004	-.0002	.0006	-.0013
#2	.0001	.0000	-.0030	.0004	-.0004	-.0007	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84473.**	**15619.**	**1911.4**	**6374.8**
Stddev	42.	101.	1.5	5.0
%RSD	.05027	.64500	.07894	.07856
#1	84443.	15548.	1912.5	6378.3
#2	84503.	15691.	1910.4	6371.2

Zoom In Zoom Out

Sample Name: mp80281-mb1 Acquired: 6/25/2014 18:07:02 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0001**	**-.0002**	**.0000**	**-.0002**	**.0001**	**-.0001**	**-.0005**
Stddev	.0001	.000	.0001	.0001	.000	.0001	.0000	.0003	.0000
%RSD	150.9	177.3	59.15	60.77	606.4	51.76	.0716	178.3	5.612
#1	.0000	.0000	-.0001	-.0003	.0001	-.0003	.0001	-.0003	-.0005
#2	.0002	.0000	-.0001	-.0001	-.0001	-.0001	.0001	.0000	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0005**	**-.0011**	**-.0001**	**-.0005**	**.0014**	**-.0004**	**-.0031**	**.0053**
Stddev	.0001	.0001	.0005	.0002	.0001	.0029	.0008	.0039	.0018
%RSD	95.04	10.09	42.17	195.2	21.60	203.6	206.1	125.7	34.16
#1	.0000	.0006	-.0008	-.0002	-.0005	-.0006	.0002	-.0003	.0040
#2	.0001	.0005	-.0014	.0000	-.0004	.0034	-.0010	-.0059	.0066

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0027**	**.0207**	**-.0288**	**-.0015**	**.0002**	**-.0005**	**-.0005**	**.0032**	**-.0003**
Stddev	.0004	.0226	.0122	.0083	.0001	.0001	.0002	.0001	.0000
%RSD	12.90	108.8	42.20	544.2	32.32	15.29	35.80	4.401	4.694
#1	.0030	.0048	-.0374	-.0074	.0003	-.0004	-.0007	.0033	-.0003
#2	.0025	.0367	-.0202	.0043	.0002	-.0005	-.0004	.0031	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0066**	**.0002**	**.0021**	**-.0008**	**-.0005**
Stddev	.0000	.0002	.0003	.0000	.0007	.0001	.0005
%RSD	40.34	144.0	5.029	9.088	32.71	8.569	94.10
#1	.0000	.0002	-.0064	.0002	.0026	-.0008	-.0002
#2	.0001	.0000	-.0069	.0001	.0016	-.0007	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84439.**	**15619.**	**1911.1**	**6373.4**
Stddev	149.	12.	.2	1.3
%RSD	.17672	.07871	.01016	.02058
#1	84545.	15610.	1910.9	6374.3
#2	84334.	15628.	1911.2	6372.5

Zoom In Zoom Out

Sample Name: mp80281-lc1 Acquired: 6/25/2014 18:13:20 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4942**	**.4963**	**.4760**	**.4695**	**.4659**	**.4653**	**.5072**	**.4956**	**.1799**
Stddev	.0007	.0008	.0008	.0009	.0020	.0000	.0014	.0003	.0005
%RSD	.1425	.1573	.1682	.1819	.4207	.0018	.2838	.0671	.2688
#1	.4937	.4958	.4755	.4689	.4646	.4653	.5062	.4953	.1795
#2	.4947	.4969	.4766	.4701	.4673	.4654	.5083	.4958	.1802

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4889**	**.5003**	**.4884**	**.5025**	**.4944**	**.4786**	**.4913**	**4.922**	**5.010**
Stddev	.0012	.0014	.0009	.0016	.0012	.0026	.0013	.002	.005
%RSD	.2526	.2884	.1860	.3090	.2486	.5357	.2588	.0431	.1031
#1	.4880	.4992	.4891	.5014	.4936	.4768	.4904	4.921	5.007
#2	.4898	.5013	.4878	.5036	.4953	.4804	.4922	4.924	5.014

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.418**	**5.076**	**9.628**	**10.18**	**-.0044**	**.4894**	**-.0077**	**.0194**	**.0021**
Stddev	.002	.038	.011	.01	.0005	.0014	.0005	.0000	.0007
%RSD	.0292	.7465	.1178	.1385	10.58	.2874	6.682	.2473	33.86
#1	5.417	5.049	9.620	10.19	-.0040	.4884	-.0081	.0194	.0026
#2	5.419	5.103	9.636	10.17	-.0047	.4903	-.0073	.0194	.0016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4849**	**-.0057**	**.0061**	**-.0023**	**-.0115**	**.0002**
Stddev	.0000	.0009	.0006	.0003	.0036	.0004	.0003
%RSD	58.36	.1827	10.67	4.312	156.6	3.319	199.9
#1	-.0001	.4842	-.0053	.0062	-.0048	-.0112	.0004
#2	.0000	.4855	-.0062	.0059	.0002	-.0117	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82177.**	**15599.**	**1892.2**	**6172.2**
Stddev	68.	12.	.7	1.0
%RSD	.08276	.07760	.03938	.01686
#1	82225.	15591.	1892.8	6172.9
#2	82129.	15608.	1891.7	6171.5

Zoom In Zoom Out

Sample Name: mp80281-s1 Acquired: 6/25/2014 18:19:26 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.924**	**.0484**	**.0489**	**.4719**	**.2123**	**.2456**	**1.060**	**.4921**	**.0486**
Stddev	.003	.0001	.0002	.0022	.0003	.0001	.003	.0029	.0001
%RSD	.1576	.1639	.3487	.4571	.1596	.0259	.3256	.5875	.2372
#1	1.926	.0484	.0490	.4734	.2121	.2457	1.062	.4942	.0485
#2	1.922	.0485	.0487	.4704	.2126	.2456	1.057	.4901	.0487

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4793**	**.5321**	**2.079**	**1.839**	**.4837**	**2.083**	**.5055**	**3.340**	**187.9**
Stddev	.0008	.0027	.003	.011	.0011	.004	.0014	.004	.6
%RSD	.1659	.4991	.1606	.5815	.2183	.1868	.2698	.1238	.3023
#1	.4798	.5340	2.081	1.846	.4844	2.086	.5065	3.337	187.5
#2	.4787	.5303	2.076	1.831	.4830	2.080	.5045	3.343	188.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.715**	**27.00**	**26.81**	**638.1**	**.0774**	**.0028**	**-.0127**	**8.744**	**.0038**
Stddev	.005	.07	.04	3.3	.0022	.0001	.0001	.012	.0004
%RSD	.2000	.2406	.1471	.5246	2.847	2.016	.4532	.1417	10.43
#1	2.711	26.95	26.84	635.8	.0789	.0027	-.0127	8.753	.0041
#2	2.718	27.04	26.78	640.5	.0758	.0028	-.0127	8.735	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1691**	**.0396**	**-.0104**	**.0369**	**348.3**	**-.0027**	**.0025**
Stddev	.0003	.0019	.0007	.0000	.3	.0012	.0001
%RSD	.1700	4.825	7.020	.1245	.0965	44.89	4.032
#1	.1693	.0383	-.0109	.0368	348.5	-.0035	.0026
#2	.1689	.0410	-.0099	.0369	348.0	-.0018	.0024

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70774.**	**14831.**	**1650.2**	**4883.8**
Stddev	46.	88.	2.0	17.4
%RSD	.06485	.59570	.12106	.35718
#1	70741.	14893.	1648.8	4871.4
#2	70806.	14768.	1651.7	4896.1

Zoom In Zoom Out

Sample Name: mp80281-s2 Acquired: 6/25/2014 18:25:36 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.940**	**.0487**	**.0497**	**.4770**	**.2162**	**.2394**	**1.041**	**.5013**	**.0482**
Stddev	.000	.0000	.0002	.0010	.0006	.0004	.003	.0010	.0001
%RSD	.0141	.0101	.3608	.2097	.2621	.1583	.2403	.2015	.1997
#1	1.941	.0487	.0495	.4763	.2158	.2391	1.039	.5006	.0481
#2	1.940	.0487	.0498	.4777	.2166	.2397	1.043	.5020	.0482

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4654**	**.5378**	**2.138**	**1.875**	**.4892**	**2.129**	**.5177**	**3.283**	**192.2**
Stddev	.0019	.0005	.010	.005	.0010	.005	.0010	.001	.2
%RSD	.4018	.0940	.4555	.2526	.2061	.2202	.1983	.0289	.0959
#1	.4641	.5374	2.131	1.872	.4885	2.126	.5169	3.284	192.3
#2	.4667	.5381	2.145	1.879	.4899	2.133	.5184	3.282	192.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.774**	**27.78**	**26.79**	**617.0**	**.0785**	**.0025**	**-.0127**	**8.874**	**.0046**
Stddev	.009	.01	.03	12.9	.0015	.0000	.0009	.024	.0004
%RSD	.3117	.0350	.1019	2.085	1.897	.6727	7.306	.2695	9.364
#1	2.780	27.79	26.77	626.1	.0774	.0024	-.0120	8.858	.0049
#2	2.768	27.78	26.81	608.0	.0796	.0025	-.0133	8.891	.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1728**	**.0368**	**-.0113**	**.0363**	**352.3**	**-.0018**	**.0031**
Stddev	.0003	.0009	.0005	.0001	1.3	.0002	.0004
%RSD	.1529	2.493	4.450	.3947	.3775	11.48	13.89
#1	.1730	.0362	-.0110	.0362	351.3	-.0016	.0028
#2	.1726	.0375	-.0117	.0364	353.2	-.0019	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71412.**	**14749.**	**1618.8**	**4818.3**
Stddev	251.	18.	3.9	7.5
%RSD	.35126	.12329	.24305	.15602
#1	71590.	14736.	1621.5	4823.6
#2	71235.	14762.	1616.0	4813.0

Zoom In Zoom Out

Sample Name: jb69865-6 Acquired: 6/25/2014 18:31:46 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0230**	**.0001**	**.0024**	**.0013**	**.0341**	**.0121**	**.5371**	**.0046**	**-.0006**
Stddev	.0001	.0000	.0001	.0004	.0004	.0002	.0010	.0002	.0007
%RSD	.3723	17.24	6.273	32.76	1.291	1.486	.1881	3.582	117.9
#1	.0230	.0001	.0025	.0016	.0338	.0123	.5378	.0047	-.0001
#2	.0229	.0001	.0022	.0010	.0344	.0120	.5364	.0045	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0125**	**.0506**	**.0011**	**-.0078**	**.0052**	**.0000**	**.0052**	**1.190**	**153.4**
Stddev	.0001	.0000	.0004	.0000	.0005	.000	.0004	.011	.3
%RSD	1.172	.0441	37.04	.4859	9.084	482.6	8.301	.9461	.1723
#1	.0126	.0506	.0008	-.0078	.0055	.0001	.0055	1.198	153.6
#2	.0124	.0506	.0014	-.0079	.0048	-.0002	.0049	1.182	153.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.707**	**4.033**	**2.371**	**560.2**	**.0697**	**.0010**	**-.0045**	**7.719**	**.0034**
Stddev	.008	.019	.006	3.8	.0015	.0001	.0006	.015	.0014
%RSD	.4439	.4682	.2632	.6745	2.206	10.05	13.67	.1912	40.41
#1	1.712	4.046	2.366	562.9	.0708	.0011	-.0041	7.709	.0044
#2	1.701	4.019	2.375	557.6	.0686	.0009	-.0050	7.729	.0024

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1548**	**.0327**	**-.0145**	**.0313**	**322.9**	**-.0016**	**.0033**
Stddev	.0001	.0008	.0003	.0001	1.4	.0014	.0007
%RSD	.0922	2.410	1.774	.3534	.4252	91.82	22.69
#1	.1549	.0321	-.0147	.0313	321.9	-.0005	.0028
#2	.1547	.0332	-.0143	.0314	323.8	-.0026	.0038

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72948.**	**15087.**	**1682.7**	**5004.1**
Stddev	86.	23.	.6	11.1
%RSD	.11753	.15434	.03736	.22182
#1	72887.	15071.	1683.1	5012.0
#2	73009.	15104.	1682.2	4996.3

Zoom In Zoom Out

Sample Name: mp80281-sd1 Acquired: 6/25/2014 18:38:04 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0232**	**.0000**	**.0040**	**.0008**	**.0351**	**.0117**	**.5464**	**.0071**	**-.0026**
Stddev	.0000	.0002	.0008	.0006	.0009	.0004	.0004	.0010	.0014
%RSD	.0171	7099.	20.17	72.48	2.530	3.738	.0697	13.72	53.98
#1	.0232	.0002	.0046	.0013	.0358	.0120	.5461	.0078	-.0035
#2	.0232	-.0002	.0034	.0004	.0345	.0114	.5466	.0064	-.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0128**	**.0493**	**-.0009**	**-.0162**	**.0120**	**-.0141**	**.0145**	**1.137**	**152.7**
Stddev	.0004	.0001	.0025	.0005	.0013	.0064	.0056	.010	.1
%RSD	3.207	.2385	284.5	3.380	10.67	45.48	38.81	.8404	.0829
#1	.0131	.0494	.0009	-.0166	.0111	-.0096	.0105	1.130	152.6
#2	.0125	.0493	-.0027	-.0158	.0129	-.0187	.0185	1.143	152.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.709**	**4.081**	**2.271**	**609.9**	**.0484**	**-.0031**	**-.0036**	**7.481**	**.0112**
Stddev	.005	.003	.043	.3	.0012	.0006	.0013	.009	.0022
%RSD	.3170	.0839	1.872	.0533	2.472	20.59	34.78	.1178	19.21
#1	1.706	4.079	2.241	609.7	.0492	-.0035	-.0045	7.475	.0097
#2	1.713	4.083	2.301	610.1	.0475	-.0026	-.0027	7.487	.0128

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1516**	**.0323**	**-.0737**	**.0284**	**318.1**	**-.0025**	**.0035**
Stddev	.0001	.0016	.0046	.0004	1.6	.0001	.0018
%RSD	.0887	4.990	6.259	1.544	.5137	5.006	52.64
#1	.1517	.0312	-.0704	.0288	319.3	-.0024	.0048
#2	.1515	.0335	-.0769	.0281	317.0	-.0026	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79377.**	**15460.**	**1843.0**	**5785.7**
Stddev	149.	43.	1.0	3.8
%RSD	.18834	.27851	.05245	.06583
#1	79482.	15491.	1842.4	5788.4
#2	79271.	15430.	1843.7	5783.0

Zoom In Zoom Out

Sample Name: jb69865-1 Acquired: 6/25/2014 18:44:18 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0752**	**.0018**	**.0051**	**.0881**	**.0156**	**.2691**	**51.97**	**.1049**	**.0156**
Stddev	.0003	.0000	.0000	.0002	.0007	.0006	.04	.0003	.0005
%RSD	.3350	.9996	.6234	.2510	4.773	.2256	.0859	.2908	3.468
#1	.0751	.0018	.0050	.0879	.0151	.2686	51.94	.1047	.0160
#2	.0754	.0018	.0051	.0882	.0161	.2695	52.00	.1051	.0153

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0280**	**.0996**	**.0153**	**.0122**	**.2562**	**.0085**	**.0095**	**5.866**	**158.7**
Stddev	.0000	.0002	.0006	.0021	.0000	.0013	.0003	.020	.1
%RSD	.0752	.1774	3.879	17.35	.0179	15.67	3.082	.3339	.0781
#1	.0280	.0995	.0158	.0137	.2562	.0094	.0093	5.880	158.8
#2	.0280	.0997	.0149	.0107	.2561	.0075	.0097	5.852	158.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.17**	**26.12**	**8.129**	**634.1**	**.0883**	**-.0004**	**-.0123**	**19.09**	**.0027**
Stddev	.00	.04	.016	12.2	.0004	.0003	.0002	.10	.0004
%RSD	.0101	.1655	.1944	1.925	.4600	77.20	1.883	.5357	13.78
#1	22.17	26.15	8.140	642.7	.0880	-.0007	-.0125	19.02	.0024
#2	22.17	26.08	8.118	625.4	.0886	-.0002	-.0122	19.16	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2179**	**.1699**	**-.0137**	**.0510**	**519.6**	**.0034**	**.0173**
Stddev	.0001	.0023	.0010	.0001	1.2	.0000	.0004
%RSD	.0414	1.358	7.259	.2765	.2383	1.418	2.484
#1	.2179	.1715	-.0144	.0509	518.7	.0034	.0176
#2	.2180	.1682	-.0130	.0511	520.5	.0034	.0170

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73036.**	**15264.**	**1683.5**	**4949.3**
Stddev	86.	35.	10.5	14.9
%RSD	.11839	.23140	.62630	.30202
#1	73097.	15239.	1690.9	4959.9
#2	72974.	15289.	1676.0	4938.7

Zoom In Zoom Out

Sample Name: jb69865-2 Acquired: 6/25/2014 18:50:40 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.8103**	**.0002**	**.0012**	**.0124**	**.0112**	**.0554**	**21.84**	**.0207**	**.0043**
Stddev	.0001	.0000	.0002	.0002	.0001	.0001	.04	.0000	.0000
%RSD	.0147	1.833	13.48	1.430	.8130	.2065	.1608	.0400	.6460
#1	.8102	.0002	.0010	.0123	.0111	.0555	21.82	.0207	.0043
#2	.8104	.0002	.0013	.0125	.0112	.0553	21.87	.0207	.0043

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0253**	**.0426**	**.0099**	**.0015**	**.0604**	**.0037**	**.0011**	**8.458**	**82.34**
Stddev	.0001	.0002	.0009	.0016	.0006	.0022	.0007	.004	.34
%RSD	.2687	.3873	8.688	109.9	1.049	59.19	66.71	.0465	.4139
#1	.0253	.0427	.0105	.0026	.0599	.0022	.0016	8.460	82.59
#2	.0254	.0425	.0093	.0003	.0608	.0053	.0006	8.455	82.10

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**40.35**	**13.38**	**4.938**	**228.7**	**.1075**	**-.0005**	**-.0094**	**20.19**	**.0041**
Stddev	.14	.08	.019	2.3	.0001	.0001	.0002	.00	.0009
%RSD	.3450	.5961	.3789	1.022	.1268	19.96	2.364	.0229	20.99
#1	40.45	13.44	4.951	230.3	.1075	-.0005	-.0095	20.19	.0035
#2	40.25	13.32	4.925	227.0	.1074	-.0004	-.0092	20.20	.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2179**	**.2326**	**-.0124**	**.0030**	**13.82**	**-.0023**	**.0137**
Stddev	.0000	.0004	.0006	.0000	.03	.0003	.0004
%RSD	.0163	.1912	5.056	.0510	.2244	13.29	3.245
#1	.2179	.2323	-.0119	.0030	13.85	-.0021	.0134
#2	.2179	.2329	-.0128	.0030	13.80	-.0026	.0141

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77226.**	**15245.**	**1741.3**	**5369.3**
Stddev	18.	64.	1.0	4.2
%RSD	.02388	.42131	.05789	.07748
#1	77213.	15199.	1742.0	5372.2
#2	77239.	15290.	1740.6	5366.3

Zoom In Zoom Out

Sample Name: jb69865-3 Acquired: 6/25/2014 18:57:03 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2234**	**.0005**	**.0006**	**.0550**	**.0096**	**.0201**	**3.819**	**.0527**	**.0004**
Stddev	.0001	.0000	.0001	.0002	.0003	.0002	.002	.0001	.0001
%RSD	.0653	2.265	9.426	.4057	2.720	.7850	.0500	.1648	15.19
#1	.2233	.0005	.0005	.0549	.0094	.0200	3.817	.0526	.0004
#2	.2235	.0005	.0006	.0552	.0097	.0202	3.820	.0528	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0139**	**.0450**	**.0030**	**-.0005**	**.0118**	**.0025**	**-.0006**	**7.474**	**45.64**
Stddev	.0000	.0003	.0013	.0008	.0002	.0016	.0013	.001	.01
%RSD	.0056	.6991	41.13	151.2	1.815	65.40	236.3	.0126	.0127
#1	.0139	.0448	.0039	.0000	.0119	.0013	-.0015	7.475	45.63
#2	.0139	.0452	.0022	-.0011	.0116	.0037	.0004	7.473	45.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.33**	**12.18**	**3.682**	**271.9**	**.1063**	**-.0003**	**-.0056**	**17.72**	**.0038**
Stddev	.00	.05	.009	4.3	.0013	.0001	.0003	.05	.0004
%RSD	.0217	.4451	.2370	1.582	1.199	37.47	5.106	.2912	9.489
#1	17.34	12.22	3.688	274.9	.1054	-.0002	-.0054	17.68	.0035
#2	17.33	12.15	3.676	268.8	.1072	-.0004	-.0058	17.75	.0040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2070**	**.2000**	**-.0142**	**.0039**	**24.46**	**-.0055**	**.0103**
Stddev	.0002	.0059	.0001	.0001	.18	.0003	.0000
%RSD	.1199	2.957	.5571	3.500	.7233	5.370	.3648
#1	.2068	.1958	-.0142	.0038	24.33	-.0057	.0103
#2	.2072	.2042	-.0143	.0040	24.58	-.0053	.0103

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77526.**	**15393.**	**1796.7**	**5460.6**
Stddev	55.	2.	7.1	14.6
%RSD	.07083	.01340	.39474	.26828
#1	77487.	15391.	1801.8	5471.0
#2	77565.	15394.	1791.7	5450.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 19:03:22 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.054**	**2.057**	**1.985**	**1.999**	**1.955**	**2.004**	**2.079**	**2.069**	**.2449**
Stddev	.006	.000	.008	.018	.018	.004	.019	.038	.0018
%RSD	.3174	.0093	.4060	.8856	.9011	.1987	.9096	1.832	.7288
#1	2.049	2.057	1.991	2.011	1.967	2.007	2.092	2.095	.2436
#2	2.058	2.056	1.980	1.986	1.942	2.001	2.066	2.042	.2461

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.012**	*****	**2.062**	**2.069**	**2.042**	**2.015**	**2.035**	**41.48**	**39.19**
Stddev	.004	-----	.070	.030	.033	.015	.003	.06	.17
%RSD	.2021	-----	3.386	1.433	1.634	.7491	.1356	.1431	.4377
#1	2.009	-----	2.111	2.090	2.066	2.025	2.033	41.44	39.31
#2	2.015	2.038	2.013	2.048	2.018	2.004	2.037	41.52	39.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**41.14**	**39.35**	**40.13**	**42.14**	**2.061**	**2.022**	**1.982**	**5.081**	**2.030**
Stddev	.10	.16	.05	.06	.050	.007	.010	.111	.016
%RSD	.2384	.4165	.1224	.1481	2.408	.3724	.5188	2.187	.7695
#1	41.21	39.47	40.10	42.09	2.096	2.017	1.989	5.159	2.041
#2	41.07	39.24	40.17	42.18	2.026	2.027	1.975	5.002	2.019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.026**	**1.998**	**1.923**	**1.983**	**1.962**	**2.042**	**2.021**
Stddev	.003	.007	.017	.009	.026	.020	.010
%RSD	.1573	.3666	.8676	.4344	1.334	.9988	.5161
#1	2.024	2.004	1.935	1.990	1.944	2.028	2.014
#2	2.028	1.993	1.911	1.977	1.981	2.056	2.028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77225.**	**15150.**	**1828.8**	**5741.8**
Stddev	356.	65.	25.5	55.3
%RSD	.46079	.43112	1.3933	.96331
#1	76973.	15104.	1846.8	5780.9
#2	77477.	15196.	1810.8	5702.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 19:09:25 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0001**	**-.0001**	**.0003**	**-.0003**	**.0001**	**.0002**	**-.0005**
Stddev	.0000	.0000	.0001	.0001	.0000	.0002	.0001	.0004	.0003
%RSD	8.342	20.74	53.62	190.2	5.594	65.43	69.14	180.1	63.51
#1	.0003	.0001	.0001	.0000	.0003	-.0001	.0002	-.0001	-.0003
#2	.0002	.0001	.0001	-.0001	.0003	-.0004	.0001	.0005	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0012**	**-.0006**	**.0003**	**-.0002**	**-.0003**	**.0009**	**-.0031**	**.0040**
Stddev	.0001	.0001	.0006	.0006	.0008	.0017	.0001	.0003	.0008
%RSD	24.09	10.07	93.20	195.5	374.6	643.8	8.830	10.35	19.25
#1	.0002	.0011	-.0002	.0008	.0004	-.0014	.0008	-.0033	.0034
#2	.0003	.0013	-.0010	-.0001	-.0008	.0009	.0010	-.0029	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0222**	**-.0040**	**.0580**	**.0010**	**.0010**	**-.0006**	**.0006**	**-.0001**
Stddev	.0003	.0005	.0135	.0022	.0003	.0004	.0001	.0012	.0014
%RSD	5.901	2.275	341.7	3.839	35.39	33.86	11.71	196.9	1426.
#1	.0045	.0226	-.0135	.0564	.0012	.0013	-.0005	.0015	.0009
#2	.0042	.0219	.0056	.0596	.0007	.0008	-.0006	-.0002	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 19:09:25 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**-.0028**	**.0003**	**.0051**	**-.0002**	**.0000**
Stddev	.0001	.0004	.0008	.0001	.0003	.0003	.000
%RSD	63.75	85.61	30.51	31.69	6.255	112.6	1018.
#1	.0002	.0007	-.0022	.0003	.0053	.0000	.0002
#2	.0001	.0002	-.0034	.0002	.0048	-.0004	-.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84598.**	**15629.**	**1929.2**	**6406.7**
Stddev	18.	25.	14.1	23.4
%RSD	.02134	.16155	.73293	.36459
#1	84585.	15647.	1939.2	6423.2
#2	84611.	15612.	1919.2	6390.2

Zoom In Zoom Out

Sample Name: jb69865-4 Acquired: 6/25/2014 19:15:45 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0507**	**.0000**	**.0007**	**.0053**	**.0115**	**.0277**	**.2555**	**.0156**	**-.0009**
Stddev	.0004	.0000	.0002	.0002	.0000	.0001	.0010	.0003	.0003
%RSD	.8036	91.19	29.41	4.681	.0014	.4498	.3882	1.705	33.39
#1	.0504	.0000	.0005	.0051	.0115	.0278	.2562	.0158	-.0011
#2	.0510	.0000	.0008	.0054	.0115	.0276	.2548	.0154	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0081**	**.0055**	**.0016**	**-.0126**	**-.0031**	**.0121**	**.0078**	**.0581**	**468.6**
Stddev	.0001	.0004	.0006	.0008	.0008	.0022	.0003	.0027	1.5
%RSD	.8258	7.724	36.51	6.157	25.92	18.15	3.554	4.724	.3149
#1	.0082	.0052	.0012	-.0132	-.0025	.0105	.0080	.0601	469.6
#2	.0081	.0058	.0020	-.0121	-.0036	.0136	.0076	.0562	467.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1756**	**25.76**	**2.030**	**472.1**	**.3212**	**.0015**	**-.0108**	**10.10**	**.0037**
Stddev	.0009	.01	.047	4.0	.0028	.0001	.0004	.02	.0016
%RSD	.5106	.0489	2.330	.8546	.8869	7.322	4.068	.1570	43.83
#1	.1749	25.75	1.996	474.9	.3192	.0016	-.0111	10.09	.0025
#2	.1762	25.77	2.063	469.2	.3233	.0014	-.0105	10.11	.0048

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7821**	**.0071**	**-.0067**	**.0575**	**582.2**	**.0002**	**.0060**
Stddev	.0012	.0001	.0008	.0001	2.9	.0005	.0008
%RSD	.1566	.7113	11.70	.2045	.5049	258.0	13.69
#1	.7812	.0072	-.0062	.0574	580.1	-.0002	.0054
#2	.7830	.0071	-.0073	.0576	584.3	.0006	.0065

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71583.**	**14767.**	**1618.0**	**4878.0**
Stddev	147.	9.	1.0	8.3
%RSD	.20486	.05826	.05873	.16999
#1	71687.	14773.	1618.6	4883.9
#2	71480.	14761.	1617.3	4872.2

Zoom In Zoom Out

Sample Name: jb69865-5 Acquired: 6/25/2014 19:22:09 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2284**	**.0003**	**.0044**	**.0258**	**.1400**	**.3971**	**1.457**	**.0735**	**-.0002**
Stddev	.0368	.0006	.0016	.0008	.0005	.0103	.004	.0017	.0008
%RSD	16.09	212.3	37.35	3.193	.3850	2.600	.2638	2.313	382.8
#1	.2544	-.0002	.0055	.0252	.1404	.3898	1.455	.0747	-.0008
#2	.2024	.0008	.0032	.0264	.1396	.4044	1.460	.0723	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0604**	**1.135**	**.0215**	**-.0218**	**.0857**	**-.0031**	**.0162**	**14.86**	**1423.**
Stddev	.0000	.001	.0005	.0234	.0118	.0076	.0184	2.39	239.
%RSD	.0568	.0545	2.214	107.3	13.72	241.1	113.3	16.08	16.78
#1	.0604	1.136	.0218	-.0053	.0940	-.0085	.0032	16.55	1592.
#2	.0605	1.135	.0212	-.0384	.0774	.0022	.0292	13.17	1254.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**29.99**	**22.12**	**7.743**	**2000.**	**.1144**	**.0039**	**-.0278**	**36.19**	**.0332**
Stddev	4.73	3.45	1.215	306.	.0007	.0001	.0002	.25	.0002
%RSD	15.77	15.61	15.70	15.29	.5842	3.790	.7635	.6913	.6488
#1	33.34	24.56	8.603	2216.	.1149	.0040	-.0279	36.37	.0330
#2	26.65	19.67	6.884	1784.	.1140	.0038	-.0276	36.02	.0333

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.080**	**.7620**	**-.0013**	**.0965**	**1624.**	**-.0135**	**.0304**
Stddev	.204	.0020	.0077	.1106	7.	.0029	.0038
%RSD	18.86	.2679	604.7	114.6	.4081	21.26	12.57
#1	1.224	.7606	.0042	.0183	1628.	-.0156	.0331
#2	.9362	.7634	-.0067	.1748	1619.	-.0115	.0277

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**62199.**	*****	**1429.0**	**3925.6**
Stddev	321.	-----	1.3	2.4
%RSD	.51649	-----	.09279	.06105
#1	62426.	-----	1428.1	3923.9
#2	61971.	14079.	1430.0	3927.3

Zoom In Zoom Out

Sample Name: jb69865-7 Acquired: 6/25/2014 19:28:30 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 7th sunocoqc

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1547**	**.0004**	**.0008**	**.0025**	**.0094**	**.0216**	**.4114**	**.0156**	**-.0005**
Stddev	.0003	.0000	.0000	.0000	.0002	.0001	.0002	.0005	.0003
%RSD	.1621	8.120	1.591	1.941	1.845	.3985	.0398	2.909	54.90
#1	.1545	.0004	.0007	.0025	.0093	.0216	.4116	.0153	-.0007
#2	.1549	.0004	.0008	.0025	.0095	.0215	.4113	.0159	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0088**	**.0800**	**.0037**	**-.0007**	**.0261**	**.0054**	**-.0019**	**5.280**	**130.4**
Stddev	.0001	.0000	.0010	.0010	.0005	.0007	.0004	.008	.6
%RSD	.9943	.0070	27.35	140.9	1.748	12.81	20.33	.1487	.4294
#1	.0087	.0800	.0044	.0000	.0264	.0059	-.0016	5.285	130.8
#2	.0089	.0800	.0029	-.0015	.0258	.0049	-.0022	5.274	130.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.914**	**15.72**	**2.132**	**231.9**	**.1082**	**.0000**	**-.0046**	**14.82**	**.0037**
Stddev	.009	.03	.017	1.0	.0008	.000	.0008	.03	.0003
%RSD	.1865	.1939	.7797	.4191	.7510	6707.	18.09	.2123	7.904
#1	4.921	15.74	2.121	232.6	.1076	.0001	-.0052	14.79	.0039
#2	4.908	15.70	2.144	231.2	.1087	-.0001	-.0040	14.84	.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5619**	**.2381**	**-.0124**	**.0048**	**23.41**	**-.0057**	**.0073**
Stddev	.0002	.0020	.0002	.0002	.20	.0005	.0004
%RSD	.0403	.8223	1.889	5.145	.8533	8.885	5.131
#1	.5620	.2395	-.0122	.0047	23.26	-.0053	.0070
#2	.5617	.2368	-.0126	.0050	23.55	-.0060	.0075

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76273.**	**15303.**	**1749.4**	**5328.3**
Stddev	95.	104.	.4	2.3
%RSD	.12488	.67825	.02048	.04397
#1	76205.	15229.	1749.7	5330.0
#2	76340.	15376.	1749.2	5326.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 19:34:49 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**2.018**	**1.972**	**1.965**	**1.907**	**1.937**	**2.023**	**2.055**	**.2440**
Stddev	.002	.000	.011	.011	.004	.007	.001	.010	.0013
%RSD	.1093	.0055	.5515	.5444	.1921	.3463	.0661	.4780	.5184
#1	2.033	2.018	1.964	1.958	1.904	1.933	2.024	2.048	.2431
#2	2.030	2.018	1.979	1.973	1.909	1.942	2.022	2.062	.2449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.928**	**2.038**	**2.046**	**2.082**	**2.012**	**2.032**	**2.044**	**40.64**	**38.85**
Stddev	.002	.011	.016	.032	.010	.011	.007	.02	.21
%RSD	.0917	.5365	.7695	1.531	.4816	.5237	.3570	.0503	.5519
#1	1.926	2.030	2.035	2.060	2.005	2.025	2.039	40.65	38.69
#2	1.929	2.046	2.057	2.105	2.019	2.040	2.049	40.63	39.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.85**	**38.93**	**39.61**	**41.58**	**2.029**	**2.019**	**1.935**	**5.030**	**2.039**
Stddev	.07	.21	.04	.03	.012	.013	.009	.012	.014
%RSD	.1674	.5427	.0916	.0673	.5788	.6603	.4397	.2381	.6860
#1	40.80	38.78	39.58	41.60	2.020	2.009	1.929	5.022	2.030
#2	40.90	39.08	39.63	41.56	2.037	2.028	1.941	5.039	2.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 19:34:49 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**1.945**	**1.897**	**1.942**	**2.037**	**2.051**	**2.009**
Stddev	.002	.002	.015	.003	.015	.002	.007
%RSD	.0832	.1027	.8118	.1442	.7423	.1136	.3557
#1	2.015	1.944	1.886	1.940	2.027	2.050	2.014
#2	2.013	1.946	1.908	1.944	2.048	2.053	2.004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79590.**	**15342.**	**1826.8**	**5763.3**
Stddev	209.	58.	3.7	13.2
%RSD	.26209	.37789	.20204	.22916
#1	79738.	15383.	1829.4	5772.6
#2	79443.	15302.	1824.2	5753.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 19:40:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**.0001**	**.0001**	**.0002**	**.0000**	**.0003**	**.0002**	**-.0004**
Stddev	.0000	.0000	.0000	.0001	.0001	.0002	.0000	.0003	.0001
%RSD	5.594	7.687	11.61	65.79	46.20	671.3	2.704	176.0	19.12
#1	.0003	.0002	.0002	.0001	.0001	-.0001	.0003	.0004	-.0005
#2	.0004	.0002	.0001	.0002	.0002	.0002	.0003	.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0012**	**-.0017**	**.0006**	**.0011**	**-.0002**	**.0013**	**-.0010**	**.0079**
Stddev	.0001	.0001	.0004	.0013	.0001	.0001	.0003	.0040	.0027
%RSD	36.23	4.549	25.33	208.4	7.455	61.69	22.22	391.6	34.45
#1	.0004	.0012	-.0014	.0015	.0011	-.0001	.0011	.0018	.0098
#2	.0003	.0012	-.0020	-.0003	.0010	-.0003	.0015	-.0039	.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0079**	**.0128**	**.0238**	**.0963**	**.0009**	**.0012**	**-.0001**	**.0004**	**.0000**
Stddev	.0009	.0100	.0210	.0067	.0005	.0004	.0000	.0000	.0003
%RSD	11.91	77.83	88.49	7.007	51.18	29.36	63.72	11.61	624.7
#1	.0085	.0058	.0387	.0915	.0006	.0015	-.0001	.0004	.0002
#2	.0072	.0199	.0089	.1011	.0012	.0010	.0000	.0005	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 19:40:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**-.0020**	**.0004**	F **.0148**	**-.0006**	**.0001**
Stddev	.0000	.0000	.0016	.0000	.0003	.0003	.0000
%RSD	17.51	15.16	82.33	5.835	2.176	46.12	36.52
#1	.0002	.0003	-.0008	.0004	.0150	-.0008	.0002
#2	.0002	.0003	-.0032	.0004	.0145	-.0004	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.0057		
Low Limit					-.0057		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85387.**	**15523.**	**1925.4**	**6431.1**
Stddev	135.	48.	3.6	1.3
%RSD	.15819	.30881	.18679	.01950
#1	85483.	15489.	1927.9	6432.0
#2	85292.	15557.	1922.8	6430.3

Zoom In Zoom Out

Sample Name: mp80251-mb1 2 Acquired: 6/25/2014 19:47:13 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**.0000**	**.0000**	**-.0001**	**.0001**	**-.0002**	**-.0006**
Stddev	.0001	.0000	.0000	.000	.000	.0001	.0000	.0002	.0001
%RSD	34.06	4.945	22.45	368.9	1971.	222.9	87.40	77.45	11.04
#1	.0002	.0000	.0000	.0001	.0001	.0000	.0001	-.0004	-.0006
#2	.0001	.0000	.0000	-.0001	-.0002	-.0001	.0000	-.0001	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0013**	**-.0011**	**.0004**	**-.0001**	**.0001**	**.0005**	**.0007**	**.0069**
Stddev	.0001	.0001	.0002	.0012	.0009	.0004	.0002	.0053	.0015
%RSD	30.51	6.226	16.55	324.2	657.8	371.9	34.64	737.6	22.30
#1	.0002	.0012	-.0013	.0012	.0005	.0004	.0004	.0044	.0058
#2	.0002	.0013	-.0010	-.0005	-.0007	-.0002	.0006	-.0030	.0080

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0066**	**.0122**	**-.0017**	**.0635**	**.0006**	**-.0005**	**.0002**	**.0106**	**.0000**
Stddev	.0002	.0035	.0119	.0012	.0001	.0001	.0003	.0005	.0003
%RSD	3.385	28.57	715.9	1.868	20.45	12.03	122.5	4.332	1116.
#1	.0068	.0146	-.0100	.0643	.0007	-.0005	.0004	.0103	.0002
#2	.0065	.0097	.0067	.0627	.0005	-.0006	.0000	.0109	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**-.0061**	**.0002**	**.0149**	**-.0011**	**-.0006**
Stddev	.0000	.0000	.0005	.0000	.0000	.0002	.0002
%RSD	109.4	14.85	7.546	.9442	.1784	19.94	37.28
#1	.0000	-.0002	-.0058	.0002	.0149	-.0010	-.0005
#2	.0000	-.0002	-.0064	.0002	.0149	-.0013	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84605.**	**15644.**	**1918.6**	**6384.3**
Stddev	244.	5.	2.4	8.5
%RSD	.28799	.02911	.12270	.13336
#1	84778.	15640.	1920.3	6390.3
#2	84433.	15647.	1917.0	6378.3

Zoom In Zoom Out

Sample Name: mp80251-b1 Acquired: 6/25/2014 19:53:30 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.935**	**.0495**	**.0449**	**.4613**	**.1835**	**.2269**	**.4915**	**.4899**	**.0463**
Stddev	.000	.0000	.0002	.0022	.0002	.0002	.0000	.0025	.0002
%RSD	.0168	.0776	.5072	.4789	.1254	.0747	.0019	.5161	.3587
#1	1.935	.0495	.0451	.4629	.1836	.2270	.4915	.4917	.0462
#2	1.934	.0496	.0447	.4598	.1833	.2268	.4915	.4881	.0464

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4709**	**.4936**	**1.990**	**2.027**	**.4992**	**1.953**	**.4960**	**1.940**	**22.32**
Stddev	.0001	.0021	.011	.023	.0025	.014	.0002	.001	.12
%RSD	.0128	.4285	.5478	1.125	.4913	.7321	.0340	.0733	.5592
#1	.4708	.4951	1.998	2.043	.5009	1.963	.4961	1.941	22.23
#2	.4709	.4921	1.982	2.011	.4974	1.943	.4959	1.939	22.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.003**	**23.33**	**23.80**	**25.45**	**1.992**	**1.921**	**1.849**	**2.063**	**1.934**
Stddev	.010	.11	.01	.06	.009	.008	.003	.009	.014
%RSD	.9734	.4762	.0511	.2525	.4421	.4204	.1615	.4229	.6974
#1	.9959	23.26	23.80	25.49	1.998	1.926	1.847	2.069	1.944
#2	1.010	23.41	23.79	25.40	1.985	1.915	1.851	2.057	1.925

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.917**	**1.910**	**-.0078**	**.0191**	**-.0046**	**-.0393**	**.0003**
Stddev	.005	.000	.0001	.0011	.0013	.0016	.0002
%RSD	.2802	.0063	.8596	5.501	27.19	3.995	49.20
#1	1.913	1.910	-.0077	.0198	-.0055	-.0382	.0002
#2	1.920	1.910	-.0078	.0184	-.0037	-.0404	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80101.**	**15380.**	**1835.5**	**5895.8**
Stddev	108.	51.	7.4	21.9
%RSD	.13493	.33219	.40577	.37119
#1	80178.	15416.	1830.2	5880.3
#2	80025.	15344.	1840.7	5911.3

Zoom In Zoom Out

Sample Name: mp80251-lc1 Acquired: 6/25/2014 19:59:30 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4832**	**.4828**	**.4672**	**.4508**	**.4567**	**.4413**	**.4915**	**.4811**	**.1774**
Stddev	.0011	.0001	.0001	.0013	.0010	.0000	.0008	.0008	.0005
%RSD	.2367	.0266	.0287	.2945	.2267	.0091	.1691	.1618	.2665
#1	.4840	.4829	.4673	.4499	.4574	.4413	.4921	.4805	.1777
#2	.4824	.4827	.4671	.4518	.4559	.4412	.4909	.4816	.1771

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4626**	**.4894**	**.4800**	**.4891**	**.4803**	**.4680**	**.4786**	**4.730**	**4.993**
Stddev	.0002	.0003	.0000	.0004	.0005	.0022	.0005	.008	.028
%RSD	.0531	.0600	.0025	.0895	.0970	.4794	.1108	.1699	.5621
#1	.4628	.4891	.4800	.4894	.4800	.4664	.4782	4.725	4.973
#2	.4624	.4896	.4800	.4887	.4806	.4696	.4790	4.736	5.013

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.369**	**5.028**	**9.368**	**9.854**	**-.0072**	**.4767**	**-.0074**	**-.0066**	**.0021**
Stddev	.013	.039	.014	.023	.0004	.0010	.0005	.0009	.0011
%RSD	.2451	.7756	.1440	.2377	4.975	.2109	6.617	14.03	55.06
#1	5.359	5.001	9.377	9.870	-.0069	.4759	-.0071	-.0059	.0013
#2	5.378	5.056	9.358	9.837	-.0074	.4774	-.0077	-.0072	.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4683**	**-.0066**	**.0003**	**.0082**	**-.0112**	**-.0003**
Stddev	.0000	.0001	.0002	.0001	.0012	.0004	.0003
%RSD	19.22	.0172	3.011	33.10	14.08	3.807	109.5
#1	-.0001	.4683	-.0065	.0002	.0074	-.0115	-.0005
#2	-.0001	.4682	-.0068	.0004	.0090	-.0109	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82715.**	**15410.**	**1877.0**	**6160.3**
Stddev	45.	39.	.7	2.2
%RSD	.05447	.25229	.03875	.03503
#1	82683.	15437.	1876.5	6158.7
#2	82747.	15382.	1877.5	6161.8

Zoom In Zoom Out

Sample Name: mp80251-s1 Acquired: 6/25/2014 20:05:35 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.105**	**.0504**	**.0474**	**.4708**	**.1838**	**.2363**	**1.136**	**.4991**	**.0482**
Stddev	.004	.0000	.0000	.0004	.0002	.0004	.001	.0007	.0001
%RSD	.1105	.0771	.0456	.0760	.1305	.1762	.0843	.1328	.1349
#1	4.109	.0504	.0474	.4705	.1840	.2360	1.137	.4987	.0481
#2	4.102	.0504	.0474	.4710	.1837	.2366	1.136	.4996	.0482

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4729**	**.4955**	**2.089**	**2.004**	**.5086**	**2.049**	**.5184**	**1.974**	**169.0**
Stddev	.0007	.0012	.002	.003	.0026	.003	.0007	.009	.1
%RSD	.1496	.2481	.0792	.1274	.5049	.1342	.1345	.4595	.0446
#1	.4724	.4964	2.088	2.002	.5105	2.047	.5179	1.968	169.0
#2	.4734	.4946	2.090	2.006	.5068	2.051	.5189	1.981	168.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.385**	**74.04**	**28.49**	**56.46**	**2.256**	**1.950**	**1.898**	**12.18**	**1.933**
Stddev	.005	.01	.04	.10	.006	.002	.006	.01	.002
%RSD	.0614	.0170	.1371	.1708	.2857	.1233	.3021	.0935	.1067
#1	8.389	74.05	28.46	56.39	2.251	1.948	1.894	12.17	1.935
#2	8.382	74.04	28.52	56.52	2.260	1.952	1.902	12.18	1.932

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.085**	**1.933**	**-.0107**	**.0084**	**.3508**	**-.0399**	**.0204**
Stddev	.026	.004	.0002	.0002	.0029	.0003	.0002
%RSD	.8549	.2130	1.708	2.596	.8234	.7792	.9644
#1	3.067	1.930	-.0105	.0085	.3488	-.0397	.0206
#2	3.104	1.936	-.0108	.0082	.3529	-.0401	.0203

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77227.**	**15154.**	**1732.6**	**5456.7**
Stddev	156.	22.	1.6	6.9
%RSD	.20244	.14263	.09332	.12616
#1	77337.	15170.	1733.8	5461.6
#2	77116.	15139.	1731.5	5451.9

Zoom In Zoom Out

Sample Name: mp80251-s2 Acquired: 6/25/2014 20:11:43 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.747**	**.0454**	**.0424**	**.4240**	**.1652**	**.2150**	**1.044**	**.4520**	**.0434**
Stddev	.006	.0001	.0001	.0008	.0004	.0012	.004	.0004	.0004
%RSD	.1545	.1940	.3449	.1897	.2591	.5684	.3700	.0889	.9273
#1	3.751	.0455	.0423	.4235	.1655	.2159	1.047	.4517	.0437
#2	3.743	.0454	.0425	.4246	.1649	.2141	1.041	.4522	.0431

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4280**	**.4469**	**1.886**	**1.828**	**.4595**	**1.852**	**.4686**	**1.789**	**154.8**
Stddev	.0017	.0019	.001	.016	.0012	.001	.0002	.001	.2
%RSD	.3891	.4188	.0613	.8624	.2544	.0523	.0495	.0520	.1305
#1	.4291	.4456	1.885	1.817	.4587	1.851	.4687	1.789	154.7
#2	.4268	.4482	1.887	1.840	.4604	1.852	.4684	1.790	155.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.685**	**67.35**	**25.87**	**51.96**	**2.044**	**1.758**	**1.748**	**11.19**	**1.746**
Stddev	.018	.07	.04	.10	.002	.004	.009	.02	.004
%RSD	.2355	.1019	.1455	.1997	.1115	.2082	.5333	.1375	.2054
#1	7.672	67.40	25.85	52.03	2.043	1.756	1.754	11.18	1.743
#2	7.697	67.30	25.90	51.89	2.046	1.761	1.741	11.20	1.748

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.888**	**1.748**	**-.0132**	**.0044**	**.3249**	**-.0343**	**.0188**
Stddev	.002	.010	.0006	.0000	.0041	.0000	.0007
%RSD	.0831	.5557	4.661	.1466	1.264	.1060	3.834
#1	2.890	1.755	-.0136	.0044	.3220	-.0343	.0183
#2	2.887	1.742	-.0127	.0044	.3278	-.0342	.0193

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77638.**	**15201.**	**1748.7**	**5502.1**
Stddev	371.	3.	2.1	.9
%RSD	.47757	.01650	.12135	.01612
#1	77376.	15199.	1747.2	5502.7
#2	77900.	15203.	1750.2	5501.5

Zoom In Zoom Out

Sample Name: jb69686-5 Acquired: 6/25/2014 20:17:45 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.195**	**.0001**	**.0007**	**.0001**	**.0022**	**.0016**	**.6850**	**.0023**	**-.0004**
Stddev	.006	.0001	.0001	.0002	.0001	.0001	.0015	.0002	.0001
%RSD	.2580	80.62	20.79	259.9	5.261	8.795	.2239	7.765	32.46
#1	2.199	.0001	.0006	.0002	.0022	.0017	.6839	.0021	-.0005
#2	2.191	.0000	.0007	-.0001	.0023	.0015	.6860	.0024	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0056**	**.0028**	**-.0010**	**.0041**	**.0005**	**-.0008**	**-.0064**	**150.0**
Stddev	.0001	.0001	.0002	.0017	.0008	.0002	.0003	.0028	.5
%RSD	17.42	2.448	5.777	169.1	18.46	34.34	42.00	43.32	.3585
#1	.0004	.0055	.0029	.0002	.0047	.0006	-.0010	-.0044	149.6
#2	.0006	.0057	.0027	-.0023	.0036	.0004	-.0006	-.0083	150.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.590**	**50.79**	**3.852**	**31.76**	**.1866**	**.0025**	**-.0050**	**10.45**	**.0030**
Stddev	.033	.08	.014	.04	.0008	.0003	.0003	.01	.0001
%RSD	.4316	.1497	.3735	.1381	.4416	13.69	5.764	.1267	4.289
#1	7.567	50.74	3.842	31.79	.1860	.0028	-.0048	10.44	.0029
#2	7.613	50.84	3.862	31.73	.1872	.0023	-.0052	10.46	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.253**	**.0030**	**-.0130**	**-.0005**	**.3824**	**.0003**	**.0210**
Stddev	.002	.0001	.0005	.0001	.0004	.0000	.0001
%RSD	.1801	2.508	3.880	20.19	.1011	6.875	.5146
#1	1.255	.0031	-.0127	-.0006	.3827	.0003	.0211
#2	1.252	.0029	-.0134	-.0004	.3821	.0003	.0209

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78112.**	**15269.**	**1760.4**	**5602.4**
Stddev	27.	46.	3.8	5.9
%RSD	.03419	.30331	.21422	.10457
#1	78093.	15302.	1763.1	5606.6
#2	78131.	15236.	1757.7	5598.3

Zoom In Zoom Out

Sample Name: mp80251-sd1 Acquired: 6/25/2014 20:23:57 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.148**	**.0001**	**.0010**	**-.0007**	**.0025**	**.0003**	**.6896**	**.0032**	**-.0037**
Stddev	.007	.0000	.0005	.0009	.0009	.0014	.0006	.0003	.0022
%RSD	.3495	7.461	47.11	125.1	35.92	412.7	.0843	10.54	59.34
#1	2.143	.0001	.0007	-.0014	.0018	.0013	.6892	.0035	-.0053
#2	2.154	.0001	.0014	-.0001	.0031	-.0007	.6900	.0030	-.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.0037**	**.0024**	**-.0010**	**.0070**	**-.0094**	**.0028**	**.0073**	**154.3**
Stddev	.0001	.0005	.0014	.0035	.0014	.0033	.0046	.0473	.5
%RSD	10.53	14.61	59.13	339.5	19.41	35.64	164.7	647.0	.3430
#1	.0010	.0041	.0014	.0014	.0060	-.0070	.0060	-.0262	154.7
#2	.0012	.0033	.0034	-.0035	.0080	-.0118	-.0005	.0408	154.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.801**	**51.66**	**3.597**	**30.16**	**.1640**	**.0002**	**-.0023**	**10.27**	**.0115**
Stddev	.004	.25	.070	.13	.0024	.0004	.0009	.00	.0078
%RSD	.0477	.4816	1.935	.4325	1.438	170.6	37.58	.0422	67.69
#1	7.798	51.84	3.646	30.06	.1656	.0006	-.0017	10.26	.0060
#2	7.803	51.49	3.548	30.25	.1623	-.0001	-.0029	10.27	.0170

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.257**	**.0061**	**-.0730**	**-.0023**	**.3533**	**.0010**	**.0209**
Stddev	.001	.0011	.0006	.0002	.0001	.0020	.0004
%RSD	.0442	18.14	.8118	8.531	.0356	211.1	2.120
#1	1.257	.0068	-.0726	-.0025	.3534	.0024	.0212
#2	1.258	.0053	-.0735	-.0022	.3532	-.0005	.0206

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83096.**	**15402.**	**1856.5**	**6112.2**
Stddev	18.	18.	.3	11.2
%RSD	.02135	.11407	.01487	.18260
#1	83109.	15390.	1856.7	6120.0
#2	83084.	15415.	1856.3	6104.3

Zoom In Zoom Out

Sample Name: jb69686-1 Acquired: 6/25/2014 20:30:10 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.837**	**.0011**	**.0005**	**.0025**	**.0029**	**.0046**	**.4162**	**.0060**	**-.0004**
Stddev	.008	.0000	.0001	.0001	.0001	.0003	.0008	.0000	.0003
%RSD	.2099	1.175	12.21	4.169	2.200	7.333	.1835	.0304	73.14
#1	3.831	.0011	.0004	.0026	.0028	.0048	.4156	.0060	-.0002
#2	3.842	.0011	.0005	.0024	.0029	.0044	.4167	.0060	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0049**	**.0057**	**.0229**	**-.0019**	**.0053**	**.0021**	**-.0012**	**.1065**	**186.1**
Stddev	.0003	.0002	.0003	.0005	.0004	.0015	.0010	.0123	.2
%RSD	6.394	3.742	1.406	26.35	8.553	71.65	85.67	11.57	.1227
#1	.0047	.0058	.0227	-.0023	.0056	.0031	-.0005	.1153	185.9
#2	.0051	.0055	.0231	-.0016	.0049	.0010	-.0019	.0978	186.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**21.81**	**155.5**	**48.91**	**239.3**	**4.785**	**.0010**	**-.0076**	**12.46**	**.0036**
Stddev	.02	.3	.10	1.1	.030	.0000	.0001	.06	.0002
%RSD	.1015	.2124	.1944	.4592	.6185	3.629	1.622	.5122	6.752
#1	21.79	155.3	48.84	240.1	4.806	.0010	-.0077	12.50	.0037
#2	21.82	155.7	48.98	238.5	4.764	.0010	-.0075	12.41	.0034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.465**	**.0083**	**-.0137**	**.0104**	**3.878**	**-.0003**	**.0510**
Stddev	.007	.0001	.0007	.0001	.014	.0007	.0006
%RSD	.2801	1.709	5.170	.5319	.3513	261.4	1.195
#1	2.461	.0082	-.0142	.0105	3.887	-.0008	.0506
#2	2.470	.0084	-.0132	.0104	3.868	.0002	.0515

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72695.**	**14753.**	**1629.6**	**5067.9**
Stddev	69.	5.	8.1	22.1
%RSD	.09472	.03694	.49424	.43511
#1	72646.	14756.	1623.9	5052.3
#2	72744.	14749.	1635.3	5083.5

Zoom In Zoom Out

Sample Name: jb69686-2 Acquired: 6/25/2014 20:36:27 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3385**	**.0000**	**.0003**	**.0001**	**.0010**	**.0004**	**.1413**	**.0006**	**-.0006**
Stddev	.0008	.000	.0001	.0001	.0000	.0002	.0000	.0002	.0003
%RSD	.2345	3789.	29.21	139.5	2.423	38.55	.0140	32.87	60.43
#1	.3380	.0000	.0002	.0002	.0010	.0005	.1413	.0007	-.0003
#2	.3391	.0000	.0004	.0000	.0010	.0003	.1413	.0005	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0032**	**.0047**	**-.0013**	**.0026**	**.0014**	**.0011**	**.0002**	**21.81**
Stddev	.0003	.0000	.0007	.0007	.0004	.0011	.0007	.0036	.01
%RSD	74.05	1.441	15.59	50.36	14.19	79.09	67.53	2186.	.0369
#1	.0005	.0032	.0052	-.0009	.0029	.0021	.0016	.0027	21.81
#2	.0002	.0031	.0041	-.0018	.0023	.0006	.0006	-.0024	21.82

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0111**	**4.962**	**1.648**	**15.76**	**.1165**	**.0009**	**-.0012**	**7.253**	**.0014**
Stddev	.0008	.001	.014	.01	.0007	.0000	.0004	.032	.0005
%RSD	7.377	.0149	.8268	.0519	.6177	2.034	29.40	.4351	37.14
#1	.0105	4.961	1.638	15.75	.1170	.0009	-.0010	7.275	.0018
#2	.0117	4.962	1.658	15.76	.1160	.0009	-.0015	7.231	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2465**	**.0003**	**-.0147**	**-.0007**	**2.477**	**-.0015**	**.0018**
Stddev	.0015	.0005	.0000	.0001	.019	.0004	.0006
%RSD	.6276	150.8	.2239	14.36	.7785	29.44	32.86
#1	.2454	.0000	-.0147	-.0006	2.491	-.0018	.0014
#2	.2476	.0007	-.0147	-.0008	2.464	-.0012	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83666.**	**15403.**	**1875.6**	**6143.5**
Stddev	34.	90.	5.4	21.4
%RSD	.04087	.58210	.28987	.34781
#1	83690.	15340.	1871.7	6128.4
#2	83642.	15466.	1879.4	6158.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 20:42:42 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.033**	**2.010**	**1.963**	**1.968**	**1.901**	**1.943**	**2.035**	**2.064**	**.2450**
Stddev	.005	.002	.005	.003	.001	.002	.000	.001	.0016
%RSD	.2722	.0748	.2515	.1405	.0449	.1098	.0123	.0565	.6591
#1	2.037	2.009	1.960	1.966	1.901	1.941	2.035	2.063	.2462
#2	2.029	2.011	1.967	1.970	1.900	1.944	2.035	2.065	.2439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.937**	**2.050**	**2.045**	**2.085**	**2.024**	**2.030**	**2.051**	**40.89**	**38.52**
Stddev	.001	.003	.006	.010	.001	.006	.002	.01	.13
%RSD	.0514	.1498	.2814	.5007	.0524	.3061	.1073	.0255	.3283
#1	1.936	2.048	2.041	2.077	2.023	2.025	2.049	40.88	38.44
#2	1.938	2.052	2.049	2.092	2.025	2.034	2.052	40.89	38.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.53**	**38.66**	**39.72**	**42.23**	**2.032**	**2.019**	**1.934**	**5.053**	**2.037**
Stddev	.05	.07	.02	.02	.008	.004	.003	.008	.008
%RSD	.1336	.1739	.0437	.0498	.3892	.1824	.1655	.1550	.3829
#1	40.49	38.61	39.73	42.24	2.027	2.017	1.932	5.048	2.031
#2	40.56	38.70	39.70	42.21	2.038	2.022	1.936	5.059	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 20:42:42 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.945**	**1.888**	**1.924**	**2.040**	**2.058**	**2.011**
Stddev	.005	.001	.014	.005	.003	.001	.006
%RSD	.2321	.0415	.7170	.2654	.1564	.0501	.2845
#1	2.005	1.945	1.878	1.921	2.038	2.057	2.015
#2	1.999	1.946	1.898	1.928	2.042	2.058	2.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79863.**	**15361.**	**1838.6**	**5781.1**
Stddev	72.	86.	3.6	5.4
%RSD	.08980	.56280	.19823	.09313
#1	79913.	15422.	1841.1	5784.9
#2	79812.	15300.	1836.0	5777.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 20:48:45 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**.0003**	**.0003**	**.0001**	**.0002**	**.0005**	**.0000**	**-.0010**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0000	.0001	.0000
%RSD	9.505	2.857	45.00	30.04	173.9	47.84	5.811	539.8	2.775
#1	.0007	.0004	.0004	.0004	.0003	.0003	.0005	.0001	-.0010
#2	.0006	.0004	.0002	.0002	.0000	.0002	.0005	.0000	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0013**	**-.0011**	**.0006**	**.0007**	**-.0005**	**.0009**	**.0136**	**.0141**
Stddev	.0002	.0001	.0014	.0005	.0005	.0014	.0000	.0002	.0037
%RSD	28.82	9.446	130.7	85.75	77.76	284.5	2.780	1.765	26.06
#1	.0007	.0014	-.0020	.0010	.0010	.0005	.0010	.0134	.0167
#2	.0004	.0012	-.0001	.0003	.0003	-.0015	.0009	.0137	.0115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0105**	**.0161**	**-.0043**	**.0349**	**.0019**	**.0012**	**.0003**	**.0021**	**.0005**
Stddev	.0009	.0102	.0150	.0060	.0001	.0002	.0001	.0003	.0008
%RSD	8.227	63.67	346.6	17.34	4.592	18.31	45.99	11.72	149.4
#1	.0111	.0088	.0063	.0391	.0020	.0014	.0004	.0023	.0000
#2	.0099	.0233	-.0149	.0306	.0019	.0011	.0002	.0020	.0011
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 20:48:45 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0002**	**-.0036**	**.0004**	F **.0070**	**-.0008**	**-.0002**
Stddev	.0001	.0001	.0003	.0000	.0001	.0002	.0004
%RSD	13.92	47.44	7.760	6.871	.9189	21.78	215.9
#1	.0006	.0003	-.0034	.0004	.0069	-.0007	.0001
#2	.0005	.0001	-.0038	.0004	.0070	-.0010	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.0057		
Low Limit					-.0057		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86464.**	**15673.**	**1949.8**	**6490.9**
Stddev	12.	65.	1.8	3.3
%RSD	.01425	.41305	.09066	.05127
#1	86456.	15719.	1948.5	6493.3
#2	86473.	15627.	1951.0	6488.6

Zoom In Zoom Out

Sample Name: jb69686-4 Acquired: 6/25/2014 20:55:05 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0186**	**.0001**	**.0008**	**.0000**	**.0013**	**.0044**	**.0450**	**.0172**	**-.0006**
Stddev	.0003	.0000	.0001	.000	.0002	.0002	.0000	.0004	.0002
%RSD	1.478	29.68	15.61	276.2	12.15	3.973	.0959	2.434	39.16
#1	.0188	.0001	.0008	-.0001	.0012	.0043	.0450	.0169	-.0004
#2	.0184	.0001	.0007	.0000	.0014	.0046	.0450	.0175	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.1445**	**-.0006**	**-.0031**	**.0055**	**.0070**	**.0017**	**.0310**	**96.23**
Stddev	.0001	.0001	.0005	.0001	.0000	.0023	.0010	.0072	.27
%RSD	24.18	.0948	86.40	1.930	.3386	33.06	60.56	23.07	.2769
#1	.0004	.1446	-.0002	-.0031	.0055	.0086	.0024	.0260	96.04
#2	.0006	.1444	-.0009	-.0032	.0055	.0053	.0009	.0361	96.41

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1229**	**25.24**	**3.045**	**23.69**	**.1825**	**.0010**	**-.0026**	**13.93**	**.0020**
Stddev	.0001	.12	.021	.02	.0007	.0002	.0003	.00	.0009
%RSD	.0611	.4598	.6943	.0799	.3734	17.33	12.18	.0332	46.96
#1	.1228	25.16	3.030	23.67	.1829	.0011	-.0028	13.94	.0013
#2	.1229	25.33	3.060	23.70	.1820	.0009	-.0024	13.93	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5114**	**.0026**	**-.0081**	**.0075**	**83.25**	**-.0002**	**.0367**
Stddev	.0008	.0005	.0002	.0000	.27	.0006	.0002
%RSD	.1470	19.78	2.269	.6031	.3293	255.0	.6191
#1	.5119	.0023	-.0082	.0075	83.45	.0002	.0369
#2	.5108	.0030	-.0080	.0075	83.06	-.0007	.0365

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80568.**	**15398.**	**1824.2**	**5864.6**
Stddev	74.	52.	.0	1.8
%RSD	.09180	.33805	.00109	.03001
#1	80515.	15435.	1824.2	5863.4
#2	80620.	15362.	1824.2	5865.9

Zoom In Zoom Out

Sample Name: jb69686-7 Acquired: 6/25/2014 21:01:17 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1883**	**.0009**	**.0007**	**.0016**	**.0065**	**.0040**	**.4975**	**.0077**	**.0000**
Stddev	.0002	.0001	.0001	.0004	.0001	.0002	.0019	.0001	.000
%RSD	.0852	7.716	11.48	22.55	2.047	4.759	.3880	1.519	236.5
#1	.1884	.0009	.0007	.0014	.0064	.0039	.4961	.0076	.0000
#2	.1882	.0008	.0008	.0019	.0065	.0041	.4989	.0078	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0029**	**.0176**	**.0407**	**-.0018**	**.0089**	**.0009**	**-.0008**	**.9847**	**126.2**
Stddev	.0000	.0001	.0002	.0008	.0006	.0013	.0013	.0012	.6
%RSD	.5784	.8200	.5966	44.08	6.664	147.1	162.9	.1236	.4455
#1	.0029	.0175	.0409	-.0012	.0094	.0000	-.0017	.9838	125.8
#2	.0029	.0177	.0405	-.0023	.0085	.0018	.0001	.9855	126.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.80**	**83.72**	**39.16**	**88.98**	**1.539**	**.0011**	**-.0062**	**15.83**	**.0026**
Stddev	.02	.32	.00	.14	.001	.0001	.0003	.01	.0002
%RSD	.0903	.3791	.0084	.1580	.0885	8.554	4.388	.0573	5.720
#1	17.79	83.49	39.16	89.08	1.538	.0011	-.0064	15.82	.0025
#2	17.81	83.94	39.15	88.88	1.540	.0010	-.0060	15.84	.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.401**	**.0358**	**-.0113**	**.0059**	**45.46**	**-.0004**	**.0563**
Stddev	.000	.0000	.0002	.0001	.48	.0009	.0008
%RSD	.0153	.0037	2.042	1.233	1.051	204.1	1.339
#1	1.402	.0358	-.0114	.0060	45.12	.0002	.0557
#2	1.401	.0358	-.0111	.0059	45.80	-.0011	.0568

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76718.**	**15290.**	**1750.8**	**5476.4**
Stddev	194.	40.	1.0	.6
%RSD	.25286	.26160	.05677	.01112
#1	76855.	15318.	1751.5	5475.9
#2	76581.	15262.	1750.1	5476.8

Zoom In Zoom Out

Sample Name: jb69686-8 Acquired: 6/25/2014 21:07:29 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1847**	**.0003**	**.0038**	**.0013**	**.0065**	**.0209**	**.2789**	**.0164**	**-.0004**
Stddev	.0007	.0000	.0000	.0003	.0001	.0004	.0004	.0002	.0000
%RSD	.3824	3.061	.0903	20.19	.8294	1.803	.1328	1.509	.6648
#1	.1851	.0003	.0038	.0012	.0065	.0211	.2792	.0166	-.0004
#2	.1842	.0003	.0038	.0015	.0064	.0206	.2787	.0162	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0058**	**1.112**	**.0032**	**-.0021**	**.0228**	**.0020**	**.0017**	**2.085**	**85.61**
Stddev	.0000	.004	.0010	.0007	.0006	.0026	.0006	.013	.15
%RSD	.5728	.3166	31.48	34.57	2.780	126.5	36.08	.6332	.1720
#1	.0058	1.110	.0039	-.0026	.0232	.0002	.0013	2.094	85.51
#2	.0058	1.115	.0025	-.0016	.0223	.0039	.0022	2.076	85.71

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.127**	**15.06**	**8.721**	**9.716**	**.1785**	**.0018**	**-.0028**	**13.42**	**.0031**
Stddev	.010	.02	.037	.060	.0012	.0001	.0000	.02	.0002
%RSD	.3209	.1066	.4210	.6151	.6802	7.897	1.770	.1549	6.801
#1	3.134	15.05	8.747	9.758	.1776	.0017	-.0028	13.40	.0029
#2	3.120	15.07	8.695	9.674	.1794	.0019	-.0027	13.43	.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5902**	**.0587**	**-.0097**	**.0016**	**18.45**	**-.0018**	**.0190**
Stddev	.0009	.0001	.0009	.0000	.10	.0002	.0007
%RSD	.1518	.1881	9.324	.3786	.5565	11.81	3.637
#1	.5908	.0587	-.0090	.0016	18.38	-.0016	.0185
#2	.5895	.0586	-.0103	.0016	18.52	-.0019	.0195

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81732.**	**15419.**	**1832.2**	**5915.4**
Stddev	52.	10.	7.2	14.2
%RSD	.06306	.06747	.39058	.23992
#1	81695.	15427.	1837.3	5925.4
#2	81768.	15412.	1827.2	5905.3

Zoom In Zoom Out

Sample Name: jb69686-9 Acquired: 6/25/2014 21:13:40 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0505**	**.0001**	**.0009**	**.0034**	**.0011**	**.0052**	**1.543**	**.0296**	**-.0002**
Stddev	.0001	.0000	.0001	.0001	.0000	.0003	.002	.0001	.0002
%RSD	.1307	30.43	8.921	3.087	3.626	6.166	.1084	.2796	77.54
#1	.0506	.0001	.0009	.0034	.0011	.0050	1.544	.0297	-.0004
#2	.0505	.0001	.0010	.0035	.0012	.0054	1.542	.0296	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0011**	**.6005**	**.0006**	**-.0014**	**.0032**	**.0042**	**-.0003**	**.0050**	**111.5**
Stddev	.0001	.0019	.0000	.0015	.0004	.0015	.0007	.0048	.0
%RSD	7.244	.3081	2.059	110.4	12.99	36.32	210.9	95.37	.0160
#1	.0012	.5992	.0006	-.0003	.0035	.0052	-.0008	.0016	111.4
#2	.0011	.6018	.0007	-.0025	.0029	.0031	.0002	.0084	111.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.497**	**13.29**	**5.666**	**16.74**	**.1216**	**.0007**	**-.0041**	**11.37**	**.0025**
Stddev	.007	.02	.036	.03	.0009	.0000	.0001	.03	.0005
%RSD	.1951	.1436	.6281	.1720	.7025	.9282	2.809	.2644	18.93
#1	3.502	13.28	5.691	16.72	.1222	.0007	-.0042	11.35	.0028
#2	3.493	13.31	5.641	16.76	.1210	.0007	-.0040	11.39	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4839**	**.0013**	**-.0105**	**.0019**	**29.60**	**.0005**	**.0132**
Stddev	.0006	.0000	.0008	.0001	.13	.0007	.0001
%RSD	.1195	.0434	7.717	4.096	.4441	147.2	.9183
#1	.4843	.0013	-.0110	.0018	29.51	.0010	.0133
#2	.4835	.0013	-.0099	.0019	29.69	.0000	.0131

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81412.**	**15351.**	**1814.5**	**5868.1**
Stddev	37.	17.	1.9	2.5
%RSD	.04555	.11281	.10206	.04219
#1	81386.	15364.	1815.8	5869.8
#2	81438.	15339.	1813.2	5866.3

Zoom In Zoom Out

Sample Name: jb69686-11 Acquired: 6/25/2014 21:19:52 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1389**	**.0004**	**.0008**	**.0020**	**.0015**	**.0046**	**5.347**	**.0262**	**.0010**
Stddev	.0006	.0000	.0000	.0000	.0004	.0002	.018	.0005	.0000
%RSD	.4408	.6625	.5783	1.885	27.91	4.018	.3314	1.867	2.840
#1	.1393	.0004	.0008	.0021	.0012	.0044	5.335	.0259	.0010
#2	.1384	.0004	.0008	.0020	.0018	.0047	5.360	.0266	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0036**	**.3214**	**.0085**	**-.0063**	**.0046**	**.0011**	**.0005**	**.1456**	**214.5**
Stddev	.0001	.0004	.0000	.0007	.0007	.0032	.0002	.0140	1.0
%RSD	2.683	.1149	.2521	10.44	15.77	288.1	31.14	9.607	.4774
#1	.0036	.3217	.0085	-.0059	.0041	.0034	.0004	.1554	213.8
#2	.0035	.3212	.0085	-.0068	.0051	-.0012	.0006	.1357	215.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**36.10**	**51.89**	**21.85**	**48.35**	**1.197**	**.0002**	**-.0105**	**7.203**	**.0022**
Stddev	.00	.10	.00	.02	.002	.0002	.0002	.009	.0004
%RSD	.0049	.1868	.0037	.0463	.1790	119.1	2.247	.1237	18.74
#1	36.10	51.83	21.85	48.37	1.195	.0003	-.0103	7.196	.0019
#2	36.10	51.96	21.85	48.34	1.198	.0000	-.0107	7.209	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.210**	**.0072**	**-.0120**	**.0128**	**122.3**	**.0011**	**.0112**
Stddev	.004	.0005	.0004	.0001	.1	.0012	.0005
%RSD	.3065	6.689	2.978	.4093	.1146	104.8	4.476
#1	1.212	.0076	-.0117	.0128	122.2	.0020	.0116
#2	1.207	.0069	-.0122	.0129	122.4	.0003	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77392.**	**15051.**	**1729.5**	**5502.6**
Stddev	201.	8.	7.6	21.4
%RSD	.25989	.05374	.44208	.38929
#1	77534.	15057.	1735.0	5517.8
#2	77250.	15046.	1724.1	5487.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 21:26:15 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.025**	**2.009**	**1.943**	**1.965**	**1.889**	**1.932**	**2.036**	**2.053**	**.2443**
Stddev	.001	.005	.011	.007	.002	.012	.000	.001	.0008
%RSD	.0238	.2314	.5759	.3339	.0986	.6391	.0216	.0357	.3218
#1	2.024	2.006	1.935	1.960	1.890	1.941	2.036	2.054	.2448
#2	2.025	2.012	1.951	1.970	1.888	1.923	2.036	2.053	.2437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.932**	**2.039**	**2.020**	**2.077**	**2.020**	**2.006**	**2.031**	**40.85**	**38.54**
Stddev	.002	.005	.006	.006	.007	.008	.004	.07	.10
%RSD	.0841	.2504	.3156	.2721	.3266	.3980	.1819	.1728	.2717
#1	1.933	2.035	2.016	2.073	2.016	2.001	2.028	40.80	38.47
#2	1.931	2.043	2.025	2.081	2.025	2.012	2.033	40.90	38.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.50**	**38.67**	**39.64**	**42.31**	**2.007**	**2.004**	**1.924**	**5.002**	**2.013**
Stddev	.13	.28	.08	.05	.009	.010	.012	.009	.005
%RSD	.3200	.7112	.2051	.1065	.4369	.5085	.6382	.1694	.2644
#1	40.41	38.47	39.58	42.28	2.000	1.996	1.932	4.996	2.009
#2	40.59	38.86	39.69	42.34	2.013	2.011	1.915	5.008	2.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 21:26:15 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.994**	**1.936**	**1.870**	**1.911**	**2.023**	**2.038**	**2.007**
Stddev	.000	.005	.017	.004	.007	.005	.004
%RSD	.0010	.2492	.8974	.1869	.3422	.2589	.2062
#1	1.994	1.939	1.858	1.913	2.019	2.034	2.010
#2	1.994	1.932	1.881	1.908	2.028	2.042	2.004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80451.**	**15353.**	**1861.2**	**5819.9**
Stddev	69.	48.	6.5	9.0
%RSD	.08520	.31312	.35042	.15471
#1	80403.	15387.	1865.8	5826.2
#2	80500.	15319.	1856.6	5813.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 21:32:18 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**.0003**	**.0002**	**.0003**	**.0000**	**.0005**	**.0001**	**-.0007**
Stddev	.0001	.0001	.0001	.0003	.0001	.000	.0001	.0004	.0001
%RSD	10.53	19.47	25.31	108.2	31.81	137.3	20.77	658.5	21.24
#1	.0005	.0004	.0003	.0004	.0004	.0000	.0006	.0004	-.0006
#2	.0006	.0003	.0004	.0001	.0003	-.0001	.0005	-.0002	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0013**	**-.0006**	**.0016**	**.0007**	**.0006**	**.0013**	**.0059**	**.0154**
Stddev	.0002	.0001	.0002	.0006	.0006	.0016	.0000	.0060	.0008
%RSD	30.00	6.704	29.99	36.86	78.49	264.4	2.633	101.7	5.074
#1	.0007	.0013	-.0008	.0012	.0011	-.0005	.0013	.0102	.0159
#2	.0004	.0012	-.0005	.0020	.0003	.0017	.0012	.0017	.0148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0102**	**.0205**	**.0216**	**.0412**	**.0015**	**.0013**	**.0002**	**.0027**	**.0012**
Stddev	.0019	.0047	.0098	.0089	.0005	.0004	.0005	.0003	.0003
%RSD	18.21	23.13	45.16	21.66	36.30	30.13	196.9	10.13	23.82
#1	.0115	.0171	.0285	.0476	.0019	.0016	.0006	.0029	.0010
#2	.0089	.0239	.0147	.0349	.0011	.0011	-.0001	.0025	.0014
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 21:32:18 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**-.0029**	**.0004**	F **.0074**	**-.0007**	**-.0002**
Stddev	.0000	.0000	.0020	.0001	.0017	.0003	.0000
%RSD	5.438	1.163	69.62	20.30	23.43	47.99	19.52
#1	.0004	.0003	-.0015	.0003	.0086	-.0009	-.0002
#2	.0005	.0003	-.0043	.0005	.0062	-.0005	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.0057		
Low Limit					-.0057		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86872.**	**15670.**	**1962.0**	**6518.2**
Stddev	138.	27.	.5	3.1
%RSD	.15888	.17529	.02315	.04722
#1	86969.	15651.	1961.6	6516.1
#2	86774.	15690.	1962.3	6520.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 21:38:38 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2077**	**.0023**	**.0030**	**.0501**	**.0101**	**.0095**	**.0163**	**.0106**	**.0045**
Stddev	.0011	.0000	.0002	.0002	.0001	.0001	.0000	.0002	.0005
%RSD	.5143	.1441	8.059	.4985	.8788	1.458	.0557	1.801	11.15
#1	.2085	.0023	.0028	.0503	.0102	.0096	.0163	.0105	.0049
#2	.2070	.0023	.0031	.0500	.0100	.0094	.0163	.0108	.0042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0517**	**.0235**	**.0076**	**.0108**	**.0025**	**.0121**	**.0074**	**.2087**	**4.911**
Stddev	.0001	.0001	.0001	.0005	.0000	.0011	.0001	.0044	.012
%RSD	.1671	.2931	1.560	4.353	1.147	9.023	1.731	2.129	.2522
#1	.0517	.0235	.0075	.0104	.0025	.0113	.0075	.2118	4.919
#2	.0516	.0236	.0077	.0111	.0025	.0129	.0073	.2055	4.902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1088**	**5.093**	**4.931**	**5.250**	**.1067**	**.0206**	**.0519**	**.2129**	**.0113**
Stddev	.0024	.052	.013	.002	.0002	.0002	.0001	.0001	.0002
%RSD	2.205	1.015	.2691	.0464	.1470	.7328	.2490	.0459	1.984
#1	.1071	5.129	4.940	5.248	.1068	.0207	.0518	.2128	.0114
#2	.1105	5.056	4.921	5.251	.1066	.0205	.0520	.2129	.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/25/2014 21:38:38 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0104**	**.0409**	**.0105**	**.0511**	**.0205**	**.0209**
Stddev	.0000	.0003	.0003	.0000	.0014	.0003	.0011
%RSD	.4637	2.447	.7061	.1958	2.724	1.314	5.415
#1	.0108	.0102	.0411	.0105	.0501	.0203	.0201
#2	.0107	.0106	.0407	.0105	.0521	.0207	.0217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85100.**	**15421.**	**1937.0**	**6351.7**
Stddev	281.	32.	5.1	13.1
%RSD	.32983	.20964	.26378	.20662
#1	84902.	15398.	1933.4	6342.5
#2	85299.	15444.	1940.6	6361.0

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 21:44:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0011**	**.0010**	**.0029**	**.0018**	F **.0014**	**.0032**	**.0038**	F **.0003**
Stddev	.0001	.0000	.0002	.0001	.0000	.0002	.0001	.0000	.0001
%RSD	3.071	1.759	18.27	3.194	.0702	13.27	1.726	.1199	28.26
#1	.0041	.0011	.0008	.0028	.0018	.0015	.0032	.0038	.0003
#2	.0043	.0011	.0011	.0029	.0018	.0013	.0033	.0038	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value						.0020			.0010
Range						-30.00%			-30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**.0111**	**.0026**	**.0026**	**.0031**	**.0051**	F **.0041**	**.1239**	**.9803**
Stddev	.0002	.0000	.0014	.0007	.0010	.0012	.0009	.0010	.0029
%RSD	8.201	.2398	55.25	28.53	31.83	23.12	21.51	.7771	.2909
#1	.0022	.0112	.0016	.0020	.0038	.0060	.0047	.1232	.9823
#2	.0020	.0111	.0036	.0031	.0024	.0043	.0035	.1246	.9783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0030		
Range							30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0112**	F **.1354**	**1.990**	**1.063**	**.0097**	**-.0010**	**.0002**	**-.0016**	**.0004**
Stddev	.0033	.0053	.005	.002	.0004	.0000	.0002	.0001	.0002
%RSD	29.51	3.921	.2448	.2050	3.800	.5148	89.43	3.398	45.94
#1	.0089	.1392	1.993	1.062	.0094	-.0010	.0003	-.0015	.0005
#2	.0135	.1317	1.986	1.065	.0099	-.0010	.0001	-.0016	.0002
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/25/2014 21:44:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0002**	**-.0114**	**-.0003**	**.0020**	**-.0012**	**-.0009**
Stddev	.0000	.0000	.0003	.0001	.0012	.0001	.0007
%RSD	46.48	.2365	2.393	16.86	63.84	11.54	74.56
#1	.0000	-.0002	-.0112	-.0003	.0011	-.0011	-.0013
#2	.0000	-.0002	-.0116	-.0004	.0028	-.0013	-.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86566.**	**15602.**	**1977.2**	**6523.4**
Stddev	85.	114.	4.9	4.9
%RSD	.09823	.72914	.24764	.07548
#1	86626.	15522.	1980.7	6526.8
#2	86505.	15683.	1973.7	6519.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 21:51:11 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0001**	**-.0002**	**-.0001**	**-.0004**	**.0001**	**-.0002**	**-.0009**
Stddev	.0001	.000	.0001	.0003	.0000	.0001	.0000	.0001	.0003
%RSD	45.70	127.4	61.22	183.4	14.16	16.18	52.61	33.89	28.76
#1	.0002	.0000	-.0002	-.0004	-.0001	-.0005	.0000	-.0003	-.0011
#2	.0001	.0000	-.0001	.0001	-.0001	-.0004	.0001	-.0002	-.0007
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0009**	**.0195**	**-.0002**	**.0211**	**.0207**	**.0220**	**.5113**	**.0007**
Stddev	.0001	.0001	.0007	.0013	.0010	.0006	.0004	.0022	.0011
%RSD	136.8	10.80	3.465	819.1	4.773	2.991	1.809	.4363	157.3
#1	.0002	.0009	.0200	-.0011	.0218	.0211	.0217	.5128	-.0001
#2	.0000	.0008	.0190	.0008	.0203	.0203	.0222	.5097	.0015
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5320**	**.0182**	**-.0221**	**.0185**	**-.0001**	**-.0011**	**.0002**	**-.0008**	**.0001**
Stddev	.0007	.0058	.0154	.0017	.0001	.0000	.0006	.0000	.0004
%RSD	.1265	31.71	69.86	9.057	88.74	1.141	259.3	3.631	337.6
#1	.5325	.0223	-.0112	.0197	-.0002	-.0011	.0007	-.0008	-.0001
#2	.5315	.0141	-.0330	.0174	.0000	-.0012	-.0002	-.0009	.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/25/2014 21:51:11 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0004**	**-.0130**	**-.0004**	**.0045**	**-.0005**	**-.0002**
Stddev	.0000	.0002	.0003	.0001	.0016	.0010	.0003
%RSD	9.863	47.42	2.455	23.31	36.05	197.6	178.0
#1	.0001	-.0005	-.0132	-.0004	.0056	.0002	-.0004
#2	.0001	-.0003	-.0128	-.0005	.0033	-.0013	.0000
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86316.**	**15518.**	**1952.2**	**6480.3**
Stddev	112.	21.	3.7	7.4
%RSD	.12934	.13452	.18754	.11389
#1	86395.	15532.	1949.6	6475.1
#2	86237.	15503.	1954.8	6485.6

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 21:57:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**.0000**	**.0009**	**.0005**	**.0009**	**.0050**	**.0011**	**.0018**	**.0049**
Stddev	.0001	.0000	.0002	.0001	.0004	.0000	.0001	.0008	.0001
%RSD	14.84	9.514	21.03	12.61	51.46	.7389	6.898	45.03	2.511
#1	-.0008	.0000	.0007	.0004	.0012	.0050	.0010	.0012	.0050
#2	-.0006	.0000	.0010	.0005	.0005	.0051	.0012	.0023	.0049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**-.0007**	**.0027**	**.0004**	**.0045**	**-.0057**	**-.0054**	**511.1**	**373.1**
Stddev	.0000	.0004	.0017	.0024	.0007	.0031	.0002	.6	.7
%RSD	9.240	48.86	60.59	624.0	15.98	53.43	3.602	.1206	.1913
#1	-.0005	-.0005	.0039	.0021	.0050	-.0036	-.0052	511.6	372.6
#2	-.0005	-.0010	.0016	-.0013	.0040	-.0079	-.0055	510.7	373.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**186.1**	**527.4**	**-.0059**	**.0110**	**-.0150**	**.0063**	**-.0347**	**-.0082**	**.0068**
Stddev	.1	.5	.0070	.0016	.0017	.0001	.0010	.0012	.0003
%RSD	.0530	.1004	119.4	14.99	11.51	1.506	2.769	14.94	4.501
#1	186.0	527.7	-.0109	.0098	-.0138	.0064	-.0340	-.0073	.0066
#2	186.2	527.0	-.0009	.0121	-.0163	.0063	-.0354	-.0090	.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/25/2014 21:57:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0027**	**.0047**	F **.0218**	**-.0419**	**.0080**	**.0049**
Stddev	.0000	.0002	.0020	.0000	.0034	.0015	.0002
%RSD	14.61	8.015	42.35	.0284	8.025	18.39	3.902
#1	-.0002	.0026	.0033	.0218	-.0442	.0090	.0050
#2	-.0001	.0029	.0061	.0218	-.0395	.0069	.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.0100			
Low Limit				-.0100			

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74438.**	**14589.**	**1703.0**	**5167.4**
Stddev	156.	20.	8.0	25.2
%RSD	.20941	.13606	.46805	.48686
#1	74548.	14603.	1708.6	5185.2
#2	74328.	14575.	1697.4	5149.6

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/25/2014 22:03:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5169**	**.5047**	**.9990**	**.4654**	**.4445**	**.5156**	**.4953**	**.9756**	**1.036**
Stddev	.0012	.0001	.0006	.0019	.0019	.0005	.0000	.0003	.001
%RSD	.2275	.0286	.0568	.4095	.4336	.1013	.0023	.0286	.0875
#1	.5177	.5046	.9986	.4640	.4432	.5153	.4953	.9758	1.036
#2	.5161	.5048	.9994	.4667	.4459	.5160	.4953	.9754	1.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4597**	**.9513**	**1.103**	**.9320**	**.9404**	**1.064**	**1.066**	**513.0**	**360.7**
Stddev	.0009	.0000	.001	.0048	.0020	.003	.003	3.7	2.6
%RSD	.1920	.0001	.1044	.5113	.2094	.2809	.2554	.7286	.7186
#1	.4590	.9513	1.102	.9354	.9418	1.062	1.064	510.3	358.8
#2	.4603	.9513	1.103	.9287	.9390	1.066	1.068	515.6	362.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**191.8**	**520.3**	**-.0266**	**.0139**	**-.0260**	**.5007**	**.5064**	**-.0183**	**.0065**
Stddev	.5	2.8	.0107	.0037	.0002	.0014	.0000	.0039	.0002
%RSD	.2527	.5439	40.26	26.69	.6196	.2701	.0044	21.03	3.706
#1	191.5	518.3	-.0342	.0166	-.0259	.4997	.5065	-.0210	.0067
#2	192.2	522.3	-.0190	.0113	-.0262	.5016	.5064	-.0156	.0063
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/25/2014 22:03:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0049**	**.4917**	**.5251**	**.4487**	**.5776**	**.5640**
Stddev	.0000	.0001	.0020	.0018	.0001	.0010	.0015
%RSD	11.73	1.577	.4016	.3490	.0303	.1745	.2622
#1	-.0002	.0049	.4903	.5238	.4488	.5769	.5651
#2	-.0003	.0050	.4931	.5264	.4486	.5783	.5630
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74315.**	**14567.**	**1715.8**	**5202.9**
Stddev	16.	77.	5.4	13.1
%RSD	.02111	.52956	.31525	.25242
#1	74326.	14622.	1719.6	5212.2
#2	74304.	14513.	1711.9	5193.6

Zoom In Zoom Out

Sample Name: mgconf Acquired: 6/25/2014 22:10:09 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0000**	**.0000**	**.0007**	**-.0003**	**.0002**	**.0003**	**-.0002**	**-.0006**
Stddev	.0001	.0000	.000	.0002	.0004	.0001	.0000	.0000	.0004
%RSD	26.05	69.74	316.3	24.11	140.9	55.42	.7963	10.92	69.99
#1	.0003	.0000	-.0001	.0006	.0000	.0003	.0003	-.0002	-.0009
#2	.0004	.0001	.0000	.0008	-.0005	.0001	.0003	-.0002	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0009**	**-.0028**	**.0040**	**-.0015**	**.0004**	**-.0021**	**.0547**	**.0111**
Stddev	.0002	.0001	.0018	.0001	.0007	.0027	.0007	.0050	.0044
%RSD	78.69	8.383	65.38	2.502	47.28	632.0	33.54	9.133	39.43
#1	-.0001	.0010	-.0040	.0040	-.0010	.0023	-.0016	.0512	.0080
#2	-.0005	.0009	-.0015	.0041	-.0020	-.0015	-.0026	.0583	.0142

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0293**	**541.6**	**-.0372**	**.0126**	**.0004**	**.0017**	**-.0007**	**.0069**	**-.0007**
Stddev	.0009	.3	.0173	.0026	.0000	.0001	.0003	.0009	.0003
%RSD	3.163	.0569	46.41	20.32	6.953	5.739	42.17	13.68	48.24
#1	.0299	541.8	-.0494	.0108	.0004	.0018	-.0005	.0062	-.0005
#2	.0286	541.4	-.0250	.0144	.0004	.0017	-.0010	.0076	-.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0005**	**-.0138**	**.0021**	**.0036**	**-.0012**	**.0022**
Stddev	.0000	.0004	.0002	.0000	.0019	.0004	.0001
%RSD	31.44	84.37	1.712	.5961	51.18	36.62	2.616
#1	.0000	.0002	-.0140	.0022	.0049	-.0009	.0021
#2	.0000	.0008	-.0137	.0021	.0023	-.0015	.0022

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78569.**	**15003.**	**1790.4**	**5597.7**
Stddev	47.	33.	2.4	3.7
%RSD	.05935	.22060	.13593	.06667
#1	78602.	14980.	1792.2	5600.4
#2	78536.	15027.	1788.7	5595.1

Zoom In Zoom Out

Sample Name: ticonf Acquired: 6/25/2014 22:16:28 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0010**	**.0005**	**.0008**	**.0009**	**-.0007**	**-.0008**	**-.0017**	**.0005**
Stddev	.0001	.0000	.0001	.0001	.0003	.0001	.0000	.0000	.0003
%RSD	19.13	2.906	10.63	9.441	32.26	11.30	1.948	2.435	76.23
#1	.0004	.0010	.0004	.0008	.0007	-.0007	-.0008	-.0018	.0002
#2	.0003	.0010	.0005	.0007	.0011	-.0008	-.0008	-.0017	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0041**	**.0035**	**.0017**	**.0007**	**.0004**	**-.0015**	**.0000**	**.1002**	**.0431**
Stddev	.0001	.0003	.0008	.0016	.0001	.0003	.000	.0015	.0026
%RSD	2.409	9.490	46.69	230.3	30.46	18.95	1233.	1.544	6.041
#1	.0040	.0032	.0011	-.0004	.0003	-.0017	-.0003	.1012	.0449
#2	.0041	.0037	.0022	.0018	.0005	-.0013	.0002	.0991	.0412

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0245**	**.0402**	**-.0320**	**.0020**	**.0013**	**-.0034**	**-.0044**	**-.1753**	**.0172**
Stddev	.0003	.0252	.0102	.0026	.0007	.0000	.0007	.0035	.0005
%RSD	1.160	62.56	31.79	130.0	53.13	.2380	16.41	2.005	2.834
#1	.0243	.0580	-.0248	.0002	.0008	-.0034	-.0039	-.1778	.0169
#2	.0247	.0224	-.0392	.0038	.0018	-.0034	-.0050	-.1728	.0176

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**9.609**	**-.0132**	**.0214**	**.0042**	**-.2444**	**.0001**
Stddev	.0001	.007	.0003	.0019	.0002	.0015	.0001
%RSD	78.83	.0723	2.351	8.727	5.264	.6287	124.8
#1	.0000	9.613	-.0134	.0228	.0040	-.2433	.0002
#2	.0001	9.604	-.0129	.0201	.0043	-.2455	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87641.**	**15499.**	**1979.7**	**6542.2**
Stddev	3.	35.	.6	.3
%RSD	.00397	.22824	.02916	.00507
#1	87643.	15524.	1980.1	6542.0
#2	87638.	15474.	1979.3	6542.4

Zoom In Zoom Out

Sample Name: siconf Acquired: 6/25/2014 22:22:45 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**.0000**	**.0001**	**-.0006**	**-.0002**	**-.0005**	**.0001**	**-.0005**	**-.0007**
Stddev	.0002	.000	.0001	.0000	.0000	.0000	.0000	.0002	.0001
%RSD	53.11	272.3	125.7	5.217	22.07	4.184	5.452	27.62	16.36
#1	.0002	.0000	.0001	-.0005	-.0002	-.0004	.0001	-.0007	-.0008
#2	.0004	.0000	.0000	-.0006	-.0002	-.0005	.0001	-.0004	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0112**	**-.0011**	**.0014**	**.0046**	**.0069**	**.0014**	**-.0111**	**.0261**
Stddev	.0002	.0002	.0002	.0009	.0001	.0012	.0004	.0003	.0018
%RSD	71.81	1.414	14.62	64.99	2.960	17.46	29.08	2.365	6.892
#1	.0003	.0113	-.0010	.0020	.0047	.0078	.0017	-.0109	.0274
#2	.0001	.0111	-.0012	.0008	.0045	.0061	.0011	-.0113	.0248

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0103**	**.0316**	**-.0507**	**.0063**	**.0014**	**-.0011**	**-.0001**	**20.60**	**.0001**
Stddev	.0002	.0055	.0122	.0028	.0007	.0000	.0009	.03	.0007
%RSD	1.960	17.40	24.06	43.99	49.03	3.649	746.3	.1451	917.3
#1	.0104	.0355	-.0421	.0043	.0018	-.0011	-.0008	20.58	.0005
#2	.0102	.0277	-.0594	.0082	.0009	-.0011	.0005	20.63	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0012**	**-.0119**	**.0145**	**.0136**	**-.0038**	**.0003**
Stddev	.0000	.0001	.0003	.0010	.0004	.0008	.0004
%RSD	19.54	8.652	2.715	6.922	2.641	22.53	136.4
#1	.0001	.0012	-.0121	.0152	.0133	-.0044	.0000
#2	.0002	.0013	-.0117	.0137	.0138	-.0032	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86751.**	**15506.**	**1976.6**	**6508.4**
Stddev	199.	1.	.5	10.6
%RSD	.22993	.00434	.02722	.16230
#1	86892.	15507.	1977.0	6515.9
#2	86609.	15506.	1976.2	6500.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 22:29:03 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**2.048**	**1.896**	**1.927**	**1.922**	**1.964**	**2.079**	**2.026**	**.2483**
Stddev	.002	.000	.048	.053	.005	.002	.005	.056	.0005
%RSD	.1175	.0169	2.535	2.739	.2787	.0818	.2632	2.757	.2194
#1	2.047	2.048	1.930	1.964	1.918	1.965	2.075	2.065	.2487
#2	2.051	2.048	1.862	1.889	1.925	1.963	2.083	1.986	.2480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.972**	**2.010**	**1.978**	**2.026**	**1.984**	**1.972**	**1.991**	**41.93**	**39.10**
Stddev	.006	.058	.056	.064	.050	.057	.054	.01	.05
%RSD	.3126	2.882	2.837	3.163	2.542	2.891	2.705	.0288	.1183
#1	1.968	2.051	2.017	2.071	2.019	2.012	2.029	41.92	39.13
#2	1.977	1.969	1.938	1.980	1.948	1.931	1.953	41.94	39.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.06**	**39.36**	**40.35**	**43.36**	**1.963**	**1.959**	**1.953**	**4.914**	**1.968**
Stddev	.07	.10	.06	.01	.048	.052	.000	.131	.055
%RSD	.1799	.2514	.1374	.0322	2.427	2.651	.0184	2.671	2.780
#1	41.11	39.43	40.31	43.35	1.997	1.995	1.953	5.006	2.007
#2	41.01	39.29	40.39	43.37	1.929	1.922	1.953	4.821	1.929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 22:29:03 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**1.969**	**1.826**	**1.919**	**1.976**	**1.989**	**2.040**
Stddev	.001	.002	.047	.003	.059	.051	.005
%RSD	.0682	.1213	2.555	.1444	2.973	2.559	.2286
#1	2.021	1.968	1.859	1.917	2.017	2.025	2.037
#2	2.022	1.971	1.793	1.921	1.934	1.953	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**79820.**	**15032.**	**1912.6**	**5957.2**
Stddev	32.	14.	38.8	123.6
%RSD	.03976	.09244	2.0282	2.0741
#1	79842.	15023.	1885.2	5869.9
#2	79797.	15042.	1940.1	6044.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 22:35:06 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0003**	**.0002**	**.0002**	**.0001**	**-.0002**	**.0004**	**.0001**	**-.0005**
Stddev	.0000	.0000	.0001	.0001	.0003	.0004	.0000	.0003	.0003
%RSD	5.005	13.87	32.64	68.72	185.7	193.4	1.653	418.0	61.19
#1	.0006	.0003	.0002	.0003	.0000	-.0005	.0004	-.0001	-.0003
#2	.0007	.0004	.0001	.0001	.0003	.0001	.0004	.0002	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0011**	**-.0015**	**.0007**	**.0008**	**-.0001**	**.0023**	**.0047**	**.0102**
Stddev	.0001	.0000	.0004	.0001	.0011	.0018	.0001	.0032	.0005
%RSD	13.15	1.128	23.86	9.889	140.7	1981.	5.198	68.25	4.531
#1	.0004	.0011	-.0017	.0006	.0016	-.0014	.0023	.0070	.0099
#2	.0005	.0011	-.0012	.0007	.0000	.0012	.0024	.0024	.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0162**	**-.0233**	**.0202**	**.0013**	**.0011**	**.0001**	**.0030**	**.0006**
Stddev	.0034	.0070	.0189	.0004	.0008	.0004	.0000	.0001	.0009
%RSD	34.25	43.18	80.90	1.853	60.76	34.40	44.32	1.975	135.5
#1	.0122	.0113	-.0367	.0200	.0019	.0014	.0000	.0030	.0013
#2	.0074	.0212	-.0100	.0205	.0008	.0009	.0001	.0031	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 22:35:06 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**-.0043**	**.0003**	**.0043**	**-.0008**	**.0001**
Stddev	.0001	.0004	.0014	.0001	.0004	.0000	.0002
%RSD	13.34	157.1	33.83	15.55	8.861	1.310	184.3
#1	.0004	.0005	-.0032	.0003	.0045	-.0008	.0000
#2	.0003	.0000	-.0053	.0004	.0040	-.0008	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88928.**	**15654.**	**1977.8**	**6543.2**
Stddev	1636.	47.	8.4	25.1
%RSD	1.8400	.29889	.42539	.38371
#1	90085.	15621.	1983.8	6561.0
#2	87771.	15687.	1971.9	6525.5

Zoom In Zoom Out

Sample Name: jb69676-13fconf Acquired: 6/25/2014 22:41:26 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0646**	**.0002**	**.0007**	**-.0002**	**.0016**	**.0018**	**.0375**	**.0020**	**-.0015**
Stddev	.0000	.0000	.0003	.0000	.0002	.0002	.0002	.0001	.0001
%RSD	.0172	8.794	41.35	6.611	10.25	10.16	.6428	4.009	5.378
#1	.0646	.0002	.0009	-.0002	.0017	.0017	.0377	.0020	-.0015
#2	.0645	.0001	.0005	-.0002	.0015	.0019	.0374	.0019	-.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0040**	**.1343**	**-.0006**	**.0002**	**.0076**	**.0004**	**.0022**	**-.0169**	**72.03**
Stddev	.0002	.0003	.0011	.0021	.0013	.0008	.0008	.0084	.09
%RSD	5.733	.2015	189.2	984.0	17.16	213.8	35.59	49.72	.1237
#1	.0042	.1345	-.0014	-.0013	.0066	.0010	.0016	-.0110	71.96
#2	.0039	.1341	.0002	.0017	.0085	-.0002	.0027	-.0229	72.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0142**	**21.66**	**.9775**	**14.80**	**.1618**	**.0005**	**-.0027**	**14.08**	**.0038**
Stddev	.0025	.03	.0360	.03	.0007	.0004	.0001	.02	.0012
%RSD	17.68	.1438	3.684	.1979	.4396	95.10	3.299	.1682	32.26
#1	.0159	21.68	1.003	14.82	.1613	.0002	-.0028	14.07	.0029
#2	.0124	21.64	.9520	14.78	.1623	.0008	-.0026	14.10	.0046

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6191**	**.0007**	**-.0196**	**.0006**	**18.40**	**.0003**	**.0217**
Stddev	.0015	.0002	.0014	.0001	.05	.0001	.0009
%RSD	.2359	26.52	7.345	21.46	.2819	30.40	4.281
#1	.6201	.0006	-.0186	.0005	18.44	.0004	.0211
#2	.6181	.0009	-.0206	.0007	18.37	.0002	.0224

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84405.**	**15453.**	**1907.6**	**6211.4**
Stddev	43.	39.	6.6	16.6
%RSD	.05147	.25254	.34462	.26748
#1	84436.	15480.	1912.2	6223.2
#2	84375.	15425.	1902.9	6199.7

Zoom In Zoom Out

Sample Name: jb69686-12 Acquired: 6/25/2014 22:47:38 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.034**	**.0013**	**.0007**	**.0028**	**.0040**	**.0032**	**.1708**	**.0070**	**-.0003**
Stddev	.001	.0000	.0002	.0002	.0002	.0001	.0004	.0001	.0001
%RSD	.0197	.8927	32.19	7.567	4.541	3.323	.2171	1.688	22.73
#1	5.035	.0013	.0008	.0026	.0039	.0031	.1706	.0070	-.0004
#2	5.034	.0013	.0005	.0029	.0041	.0032	.1711	.0071	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0028**	**.0068**	**.0274**	**-.0016**	**.0053**	**.0044**	**-.0013**	**.1290**	**172.7**
Stddev	.0000	.0003	.0005	.0014	.0001	.0010	.0006	.0087	1.0
%RSD	.8368	4.594	1.720	82.66	1.832	21.45	46.30	6.721	.5720
#1	.0028	.0070	.0270	-.0026	.0053	.0051	-.0017	.1229	172.0
#2	.0028	.0066	.0277	-.0007	.0054	.0038	-.0009	.1351	173.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**28.95**	**152.2**	**57.32**	**198.1**	**4.970**	**.0014**	**-.0086**	**13.47**	**.0020**
Stddev	.14	.9	.11	2.1	.035	.0000	.0012	.09	.0003
%RSD	.4765	.5842	.1955	1.037	.6987	3.496	13.75	.6380	13.61
#1	28.86	151.6	57.24	196.7	4.994	.0015	-.0077	13.53	.0022
#2	29.05	152.8	57.40	199.6	4.945	.0014	-.0094	13.40	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.800**	**.0076**	**-.0091**	**.0094**	**1.949**	**-.0001**	**.0635**
Stddev	.005	.0001	.0004	.0001	.007	.0011	.0004
%RSD	.1828	.7164	3.952	.6808	.3581	1884.	.6988
#1	2.797	.0076	-.0089	.0093	1.953	.0007	.0632
#2	2.804	.0075	-.0094	.0094	1.944	-.0008	.0638

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75482.**	**14933.**	**1693.4**	**5272.2**
Stddev	61.	63.	7.8	30.3
%RSD	.08129	.42468	.45852	.57476
#1	75526.	14978.	1687.9	5250.7
#2	75439.	14888.	1698.9	5293.6

Zoom In Zoom Out

Sample Name: jb69686-1f Acquired: 6/25/2014 22:53:54 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.943**	**.0011**	**.0006**	**.0022**	**.0025**	**.0024**	**.4204**	**.0056**	**-.0004**
Stddev	.006	.0000	.0002	.0001	.0005	.0001	.0011	.0006	.0002
%RSD	.1479	2.883	28.31	5.092	20.87	4.435	.2705	10.18	52.18
#1	3.939	.0011	.0005	.0022	.0021	.0023	.4196	.0061	-.0006
#2	3.948	.0011	.0008	.0021	.0029	.0025	.4213	.0052	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0050**	**.0045**	**.0236**	**-.0014**	**.0040**	**.0032**	**-.0013**	**-.0439**	**191.1**
Stddev	.0001	.0003	.0003	.0020	.0009	.0003	.0003	.0134	.1
%RSD	1.179	6.742	1.341	144.5	21.78	7.805	19.70	30.59	.0564
#1	.0050	.0047	.0238	-.0028	.0047	.0034	-.0015	-.0534	191.1
#2	.0049	.0043	.0234	.0000	.0034	.0030	-.0011	-.0344	191.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.20**	**161.3**	**50.48**	**248.4**	**4.964**	**.0007**	**-.0083**	**12.61**	**.0045**
Stddev	.01	.0	.01	.3	.036	.0001	.0001	.08	.0003
%RSD	.0626	.0072	.0232	.1242	.7246	9.191	1.258	.6221	5.637
#1	22.19	161.3	50.49	248.6	4.939	.0006	-.0082	12.55	.0046
#2	22.21	161.3	50.47	248.2	4.990	.0007	-.0083	12.66	.0043

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.524**	**.0022**	**-.0116**	**.0118**	**3.617**	**-.0005**	**.0527**
Stddev	.002	.0002	.0010	.0000	.020	.0010	.0005
%RSD	.0602	8.976	8.253	.4137	.5497	216.9	.8676
#1	2.522	.0024	-.0123	.0118	3.603	.0002	.0530
#2	2.525	.0021	-.0109	.0118	3.631	-.0012	.0524

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73933.**	**14820.**	**1646.2**	**5100.1**
Stddev	142.	25.	12.9	29.5
%RSD	.19264	.16822	.78162	.57905
#1	74033.	14837.	1655.3	5120.9
#2	73832.	14802.	1637.1	5079.2

Zoom In Zoom Out

Sample Name: jb69686-2f Acquired: 6/25/2014 23:00:11 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3457**	**.0001**	**.0003**	**-.0001**	**.0005**	**.0001**	**.1418**	**.0005**	**-.0008**
Stddev	.0015	.0000	.0000	.0001	.0001	.0001	.0008	.0003	.0002
%RSD	.4365	70.51	.7574	136.8	12.18	83.46	.5853	52.28	21.83
#1	.3446	.0000	.0003	-.0002	.0005	.0000	.1412	.0003	-.0007
#2	.3467	.0001	.0003	.0000	.0006	.0002	.1424	.0007	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0031**	**.0040**	**-.0001**	**.0012**	**.0011**	**.0005**	**-.0094**	**21.98**
Stddev	.0002	.0002	.0004	.0019	.0008	.0028	.0013	.0009	.02
%RSD	121.5	5.407	9.275	1859.	65.85	258.2	252.8	9.595	.0753
#1	.0000	.0033	.0043	.0012	.0018	.0031	.0014	-.0088	21.99
#2	.0004	.0030	.0038	-.0014	.0007	-.0009	-.0004	-.0101	21.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0069**	**5.023**	**1.987**	**16.75**	**.1207**	**.0010**	**-.0008**	**7.370**	**.0009**
Stddev	.0004	.034	.015	.03	.0003	.0000	.0009	.019	.0007
%RSD	6.177	.6816	.7567	.1529	.2573	2.750	119.3	.2637	71.84
#1	.0072	5.047	1.977	16.73	.1209	.0010	-.0014	7.383	.0014
#2	.0066	4.999	1.998	16.77	.1205	.0010	-.0001	7.356	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2807**	**.0005**	**-.0114**	**-.0006**	**2.532**	**-.0013**	**.0027**
Stddev	.0009	.0000	.0004	.0001	.004	.0008	.0005
%RSD	.3138	6.154	3.702	8.038	.1707	62.67	17.47
#1	.2801	.0005	-.0111	-.0006	2.535	-.0007	.0024
#2	.2813	.0005	-.0117	-.0007	2.529	-.0019	.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84382.**	**15485.**	**1907.7**	**6227.9**
Stddev	99.	27.	1.5	6.1
%RSD	.11755	.17292	.07917	.09801
#1	84452.	15466.	1908.8	6223.6
#2	84312.	15504.	1906.6	6232.2

Zoom In Zoom Out

Sample Name: jb69686-4f Acquired: 6/25/2014 23:06:25 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0186**	**.0001**	**.0005**	**.0004**	**.0013**	**.0031**	**.2377**	**.0128**	**-.0007**
Stddev	.0000	.0000	.0002	.0001	.0003	.0002	.0020	.0001	.0004
%RSD	.2350	.2044	30.83	20.48	19.71	6.944	.8330	.6489	57.47
#1	.0186	.0001	.0004	.0005	.0011	.0030	.2391	.0127	-.0004
#2	.0187	.0001	.0006	.0004	.0014	.0033	.2363	.0128	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0722**	**-.0001**	**-.0027**	**.0035**	**.0034**	**.0029**	**-.0180**	**148.1**
Stddev	.0000	.0003	.0008	.0005	.0001	.0022	.0010	.0028	.3
%RSD	19.46	.3559	877.6	19.67	2.087	64.01	34.87	15.43	.1760
#1	.0001	.0720	-.0006	-.0031	.0035	.0049	.0022	-.0160	147.9
#2	.0002	.0723	.0005	-.0023	.0036	.0019	.0036	-.0200	148.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2707**	**41.76**	**3.246**	**41.54**	**.2976**	**.0000**	**-.0043**	**12.81**	**.0023**
Stddev	.0038	.01	.014	.10	.0009	.0001	.0005	.03	.0003
%RSD	1.406	.0152	.4189	.2414	.2938	1215.	11.14	.2287	12.12
#1	.2680	41.75	3.237	41.47	.2969	.0001	-.0046	12.79	.0021
#2	.2734	41.76	3.256	41.61	.2982	-.0001	-.0039	12.83	.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6754**	**.0013**	**-.0127**	**.0132**	**148.5**	**-.0011**	**.0248**
Stddev	.0009	.0001	.0001	.0000	.3	.0008	.0011
%RSD	.1401	8.892	.8991	.3318	.1745	72.67	4.560
#1	.6747	.0012	-.0126	.0132	148.3	-.0005	.0240
#2	.6761	.0014	-.0128	.0132	148.7	-.0017	.0256

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**80313.**	**15221.**	**1807.3**	**5757.8**
Stddev	468.	29.	5.5	14.0
%RSD	.58215	.18871	.30464	.24321
#1	79983.	15241.	1811.2	5767.7
#2	80644.	15201.	1803.4	5747.9

Zoom In Zoom Out

Sample Name: jb69686-5f Acquired: 6/25/2014 23:12:34 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.205**	**.0001**	**.0005**	**.0004**	**.0013**	**.0010**	**.6744**	**.0023**	**-.0005**
Stddev	.003	.0001	.0004	.0000	.0004	.0000	.0007	.0001	.0002
%RSD	.1452	41.11	77.22	9.303	31.46	.2351	.1044	3.097	31.54
#1	2.207	.0002	.0002	.0004	.0010	.0010	.6749	.0024	-.0004
#2	2.202	.0001	.0008	.0004	.0016	.0010	.6739	.0023	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0053**	**.0021**	**-.0013**	**.0039**	**.0001**	**-.0010**	**-.0266**	**152.9**
Stddev	.0001	.0000	.0007	.0017	.0000	.0003	.0014	.0016	.3
%RSD	13.91	.8532	32.54	130.8	1.093	661.3	142.3	5.833	.1775
#1	.0006	.0053	.0016	-.0025	.0039	.0003	-.0020	-.0255	153.1
#2	.0005	.0053	.0026	-.0001	.0039	-.0002	.0000	-.0277	152.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.715**	**51.96**	**3.764**	**31.38**	**.1850**	**.0002**	**-.0045**	**10.31**	**.0017**
Stddev	.029	.01	.029	.04	.0008	.0001	.0011	.01	.0010
%RSD	.3745	.0175	.7665	.1149	.4105	34.17	23.81	.0507	60.95
#1	7.735	51.96	3.785	31.41	.1845	.0003	-.0052	10.31	.0025
#2	7.694	51.97	3.744	31.36	.1856	.0002	-.0037	10.31	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.276**	**.0012**	**-.0135**	**-.0001**	**.2873**	**-.0008**	**.0217**
Stddev	.003	.0000	.0006	.0000	.0036	.0005	.0001
%RSD	.2580	3.359	4.570	36.86	1.242	66.05	.3928
#1	1.278	.0011	-.0131	-.0001	.2898	-.0004	.0216
#2	1.273	.0012	-.0139	-.0002	.2848	-.0011	.0217

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81112.**	**15316.**	**1811.2**	**5748.6**
Stddev	81.	16.	5.8	12.4
%RSD	.09979	.10645	.32131	.21485
#1	81169.	15328.	1815.3	5757.4
#2	81055.	15305.	1807.1	5739.9

Zoom In Zoom Out

Sample Name: jb69686-7f Acquired: 6/25/2014 23:18:47 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1931**	**.0009**	**.0006**	**.0011**	**.0023**	**.0015**	**.4364**	**.0044**	**.0000**
Stddev	.0000	.0000	.0002	.0000	.0001	.0003	.0002	.0002	.0000
%RSD	.0152	2.090	30.61	2.510	4.618	23.22	.0440	4.332	81.90
#1	.1930	.0009	.0005	.0011	.0022	.0012	.4366	.0043	.0000
#2	.1931	.0009	.0007	.0011	.0024	.0017	.4363	.0045	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0080**	**.0450**	**-.0043**	**.0045**	**.0035**	**-.0001**	**-.0207**	**140.5**
Stddev	.0000	.0001	.0008	.0006	.0004	.0009	.0005	.0045	.7
%RSD	4.631	1.321	1.758	12.96	9.803	24.09	561.3	22.00	.4845
#1	.0011	.0080	.0444	-.0039	.0048	.0041	.0003	-.0239	140.0
#2	.0010	.0079	.0455	-.0047	.0042	.0029	-.0005	-.0175	140.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.25**	**98.08**	**44.27**	**97.69**	**1.740**	**.0006**	**-.0065**	**15.09**	**.0028**
Stddev	.05	.50	.06	.22	.004	.0000	.0009	.01	.0007
%RSD	.2918	.5064	.1296	.2205	.2332	1.402	13.26	.0809	26.23
#1	18.21	97.73	44.31	97.84	1.737	.0006	-.0058	15.09	.0023
#2	18.28	98.43	44.22	97.53	1.743	.0006	-.0071	15.10	.0033

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.582**	**.0010**	**-.0111**	**.0055**	**50.71**	**.0001**	**.0617**
Stddev	.003	.0001	.0002	.0000	.17	.0003	.0001
%RSD	.2158	6.515	1.738	.5747	.3326	321.1	.1973
#1	1.585	.0009	-.0110	.0055	50.59	-.0001	.0618
#2	1.580	.0010	-.0113	.0056	50.83	.0003	.0616

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77970.**	**15035.**	**1749.9**	**5500.1**
Stddev	99.	80.	2.5	.7
%RSD	.12741	.53314	.14182	.01221
#1	77899.	15092.	1751.7	5500.6
#2	78040.	14979.	1748.1	5499.7

Zoom In Zoom Out

Sample Name: jb69686-8f Acquired: 6/25/2014 23:24:58 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1889**	**.0002**	**.0033**	**.0000**	**.0009**	**.0073**	**.0407**	**.0096**	**-.0006**
Stddev	.0001	.0000	.0002	.000	.0001	.0000	.0001	.0000	.0002
%RSD	.0366	11.98	6.333	487.1	8.695	.0155	.3368	.2354	39.12
#1	.1889	.0001	.0032	.0000	.0008	.0073	.0406	.0096	-.0005
#2	.1890	.0002	.0035	.0000	.0009	.0073	.0408	.0096	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**1.047**	**-.0005**	**-.0019**	**.0040**	**.0017**	**.0013**	**.0002**	**96.51**
Stddev	.0002	.000	.0005	.0005	.0004	.0009	.0006	.0078	.01
%RSD	17.42	.0128	96.65	29.22	10.63	53.17	44.33	4677.	.0151
#1	.0011	1.047	-.0002	-.0015	.0037	.0024	.0009	.0057	96.52
#2	.0009	1.047	-.0009	-.0022	.0043	.0011	.0017	-.0054	96.50

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0214**	**16.03**	**9.336**	**10.21**	**.2013**	**.0012**	**-.0025**	**10.29**	**.0023**
Stddev	.0006	.03	.015	.03	.0006	.0002	.0011	.02	.0007
%RSD	2.600	.1655	.1615	.3348	.2901	13.53	43.23	.1523	29.13
#1	.0218	16.01	9.326	10.18	.2017	.0013	-.0033	10.30	.0028
#2	.0210	16.05	9.347	10.23	.2008	.0011	-.0018	10.28	.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6653**	**.0010**	**-.0130**	**.0014**	**22.04**	**-.0006**	**.0177**
Stddev	.0000	.0001	.0003	.0000	.01	.0007	.0003
%RSD	.0001	14.10	2.531	2.968	.0542	108.1	1.749
#1	.6653	.0011	-.0128	.0014	22.05	-.0011	.0180
#2	.6653	.0009	-.0133	.0014	22.03	-.0001	.0175

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82694.**	**15413.**	**1851.0**	**5979.5**
Stddev	65.	24.	.4	5.8
%RSD	.07824	.15735	.02081	.09767
#1	82740.	15430.	1851.3	5983.6
#2	82648.	15395.	1850.7	5975.4

Zoom In Zoom Out

Sample Name: jb69686-10f Acquired: 6/25/2014 23:31:11 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0503**	**.0001**	**.0008**	**.0026**	**.0010**	**.0042**	**1.209**	**.0286**	**-.0005**
Stddev	.0000	.0000	.0000	.0001	.0002	.0000	.004	.0004	.0002
%RSD	.0451	17.96	2.763	4.113	16.00	.8231	.2941	1.419	42.32
#1	.0503	.0001	.0008	.0026	.0009	.0043	1.206	.0283	-.0004
#2	.0503	.0001	.0008	.0025	.0011	.0042	1.211	.0289	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.5781**	**-.0001**	**-.0014**	**.0033**	**.0020**	**-.0001**	**-.0170**	**108.9**
Stddev	.0001	.0004	.0006	.0003	.0003	.0002	.0007	.0017	.3
%RSD	22.11	.0747	442.4	18.20	10.54	10.44	517.7	9.909	.2912
#1	.0005	.5778	.0003	-.0016	.0035	.0021	-.0006	-.0182	108.6
#2	.0008	.5784	-.0005	-.0012	.0030	.0018	.0003	-.0158	109.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4320**	**12.59**	**5.248**	**15.99**	**.1090**	**.0005**	**-.0021**	**11.21**	**.0024**
Stddev	.0011	.02	.037	.00	.0003	.0000	.0006	.01	.0001
%RSD	.2629	.1787	.7117	.0069	.2327	1.981	27.97	.1269	3.907
#1	.4312	12.57	5.275	15.99	.1089	.0004	-.0026	11.20	.0025
#2	.4328	12.60	5.222	15.99	.1092	.0005	-.0017	11.22	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4689**	**.0008**	**-.0150**	**.0013**	**27.08**	**-.0009**	**.0132**
Stddev	.0004	.0001	.0003	.0001	.03	.0003	.0000
%RSD	.0812	17.82	2.287	5.643	.1104	37.04	.1170
#1	.4691	.0007	-.0152	.0013	27.10	-.0011	.0132
#2	.4686	.0009	-.0147	.0014	27.06	-.0007	.0131

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81675.**	**15332.**	**1835.5**	**5912.9**
Stddev	134.	46.	3.5	11.2
%RSD	.16376	.30212	.19112	.18983
#1	81581.	15365.	1837.9	5920.8
#2	81770.	15299.	1833.0	5905.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 23:37:25 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**2.053**	**1.961**	**1.974**	**1.942**	**1.941**	**2.053**	**2.064**	**.2461**
Stddev	.008	.006	.016	.011	.002	.009	.001	.013	.0003
%RSD	.4011	.3183	.8310	.5385	.1241	.4818	.0397	.6311	.1134
#1	2.041	2.049	1.949	1.966	1.940	1.947	2.052	2.054	.2463
#2	2.053	2.058	1.972	1.981	1.944	1.934	2.053	2.073	.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.948**	**2.053**	**2.027**	**2.068**	**2.022**	**2.015**	**2.034**	**41.06**	**39.86**
Stddev	.001	.011	.017	.014	.012	.022	.024	.12	.02
%RSD	.0534	.5372	.8308	.6973	.5914	1.070	1.193	.2961	.0583
#1	1.947	2.045	2.015	2.058	2.013	1.999	2.017	40.98	39.87
#2	1.949	2.060	2.039	2.079	2.030	2.030	2.051	41.15	39.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.34**	**39.95**	**39.89**	**42.45**	**2.016**	**2.016**	**1.944**	**5.215**	**2.030**
Stddev	.09	.07	.09	.12	.021	.019	.009	.054	.015
%RSD	.2151	.1864	.2343	.2746	1.019	.9327	.4842	1.030	.7288
#1	41.28	39.90	39.83	42.37	2.001	2.002	1.950	5.177	2.019
#2	41.40	40.01	39.96	42.53	2.030	2.029	1.937	5.253	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/25/2014 23:37:25 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**1.966**	**1.876**	**1.962**	**2.003**	**2.041**	**2.033**
Stddev	.010	.000	.023	.003	.015	.018	.007
%RSD	.4980	.0081	1.204	.1629	.7584	.8974	.3650
#1	2.028	1.966	1.860	1.965	1.992	2.028	2.028
#2	2.043	1.966	1.892	1.960	2.014	2.054	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80467.**	**15121.**	**1869.3**	**5865.2**
Stddev	27.	10.	16.1	38.3
%RSD	.03361	.06791	.85884	.65353
#1	80448.	15129.	1880.7	5892.3
#2	80486.	15114.	1858.0	5838.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 23:43:30 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0005**	**.0003**	**.0002**	**.0001**	**.0000**	**.0005**	**.0002**	**-.0006**
Stddev	.0001	.0000	.0003	.0000	.0000	.000	.0001	.0000	.0003
%RSD	8.229	9.668	105.5	22.04	1.893	523.6	16.64	21.36	57.01
#1	.0007	.0004	.0005	.0002	.0001	-.0002	.0004	.0002	-.0008
#2	.0007	.0005	.0001	.0001	.0001	.0001	.0006	.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**-.0004**	**.0005**	**.0002**	**.0004**	**.0015**	**.0061**	**.0099**
Stddev	.0002	.0001	.0005	.0009	.0003	.0002	.0008	.0060	.0001
%RSD	34.60	23.19	108.6	198.3	109.6	50.09	54.16	97.99	.9659
#1	.0004	.0004	-.0007	.0011	.0004	.0003	.0009	.0019	.0098
#2	.0007	.0005	-.0001	-.0002	.0001	.0006	.0020	.0104	.0100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0132**	**.0126**	**-.0061**	**.0188**	**.0016**	**.0011**	**.0003**	**.0010**	**.0005**
Stddev	.0017	.0151	.0013	.0051	.0002	.0003	.0004	.0006	.0005
%RSD	12.67	120.2	21.73	27.28	10.02	30.26	153.1	59.64	95.20
#1	.0120	.0019	-.0071	.0224	.0017	.0013	.0006	.0014	.0009
#2	.0144	.0233	-.0052	.0151	.0015	.0008	.0000	.0006	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/25/2014 23:43:30 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**-.0051**	**.0004**	**.0002**	**-.0004**	**-.0003**
Stddev	.0001	.0001	.0012	.0001	.0003	.0000	.0007
%RSD	21.34	19.95	23.36	22.47	186.5	10.17	263.5
#1	.0007	.0003	-.0042	.0003	.0004	-.0004	-.0007
#2	.0005	.0004	-.0059	.0005	-.0001	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86904.**	**15551.**	**1976.1**	**6550.3**
Stddev	82.	19.	7.8	14.5
%RSD	.09402	.12067	.39334	.22178
#1	86962.	15564.	1981.6	6560.6
#2	86847.	15538.	1970.6	6540.0

Zoom In Zoom Out

Sample Name: jb69686-11f Acquired: 6/25/2014 23:49:49 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1130**	**.0004**	**.0009**	**.0021**	**.0008**	**.0015**	**5.373**	**.0287**	**.0002**
Stddev	.0012	.0000	.0003	.0000	.0002	.0002	.004	.0005	.0001
%RSD	1.105	12.82	31.36	.1185	23.46	15.54	.0725	1.897	59.57
#1	.1139	.0003	.0007	.0021	.0007	.0017	5.375	.0284	.0001
#2	.1121	.0004	.0010	.0021	.0009	.0014	5.370	.0291	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0032**	**.2156**	**.0027**	**-.0037**	**.0015**	**-.0016**	**.0012**	**-.0200**	**222.9**
Stddev	.0000	.0007	.0003	.0006	.0001	.0018	.0017	.0010	1.0
%RSD	.2438	.3133	9.654	16.68	5.320	108.9	148.2	5.253	.4454
#1	.0032	.2152	.0025	-.0042	.0015	-.0029	.0024	-.0192	223.6
#2	.0032	.2161	.0029	-.0033	.0014	-.0004	-.0001	-.0207	222.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.13**	**52.15**	**21.47**	**48.07**	**1.169**	**.0006**	**-.0085**	**7.288**	**.0034**
Stddev	.19	.64	.18	.39	.002	.0002	.0000	.011	.0003
%RSD	1.036	1.230	.8436	.8059	.1350	34.10	.0106	.1551	9.746
#1	18.27	52.60	21.59	48.35	1.168	.0008	-.0085	7.280	.0032
#2	18.00	51.70	21.34	47.80	1.170	.0005	-.0085	7.296	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.222**	**.0015**	**-.0063**	**.0135**	**132.3**	**.0010**	**.0137**
Stddev	.016	.0003	.0000	.0000	.2	.0011	.0009
%RSD	1.313	22.09	.6587	.0233	.1387	101.8	6.214
#1	1.233	.0013	-.0063	.0135	132.4	.0003	.0143
#2	1.211	.0018	-.0064	.0135	132.1	.0018	.0131

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78104.**	**15012.**	**1755.4**	**5562.5**
Stddev	46.	72.	.2	2.2
%RSD	.05950	.48184	.00879	.03998
#1	78137.	14961.	1755.3	5564.1
#2	78071.	15063.	1755.5	5561.0

Zoom In Zoom Out

Sample Name: jb69686-12f Acquired: 6/25/2014 23:56:13 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**5.010**	**.0012**	**.0004**	**.0026**	**.0035**	**.0021**	**.1662**	**.0071**	**-.0006**
Stddev	.006	.0000	.0002	.0001	.0003	.0004	.0002	.0000	.0002
%RSD	.1289	3.326	47.66	3.147	8.266	17.71	.1276	.6811	41.43
#1	5.006	.0013	.0003	.0027	.0033	.0019	.1660	.0072	-.0007
#2	5.015	.0012	.0005	.0026	.0037	.0024	.1663	.0071	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0026**	**.0073**	**.0269**	**-.0026**	**.0046**	**.0034**	**-.0021**	**-.0507**	**172.3**
Stddev	.0001	.0003	.0004	.0002	.0003	.0028	.0010	.0089	.2
%RSD	4.256	3.420	1.399	8.271	7.389	81.38	46.62	17.61	.1210
#1	.0027	.0075	.0271	-.0024	.0048	.0054	-.0028	-.0444	172.2
#2	.0025	.0071	.0266	-.0027	.0043	.0015	-.0014	-.0571	172.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**28.69**	**152.0**	**57.18**	**197.7**	**4.996**	**.0013**	**-.0081**	**13.15**	**.0038**
Stddev	.02	.3	.11	1.4	.019	.0000	.0003	.02	.0016
%RSD	.0793	.2297	.1874	.7305	.3828	1.404	3.114	.1700	42.50
#1	28.67	151.8	57.11	196.7	4.983	.0013	-.0079	13.13	.0026
#2	28.70	152.3	57.26	198.7	5.010	.0013	-.0083	13.16	.0049

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.789**	**.0016**	**-.0090**	**.0091**	**1.954**	**.0008**	**.0633**
Stddev	.009	.0003	.0002	.0002	.011	.0010	.0004
%RSD	.3142	16.05	2.418	1.842	.5509	122.0	.6455
#1	2.783	.0014	-.0091	.0090	1.947	.0015	.0630
#2	2.795	.0018	-.0088	.0092	1.962	.0001	.0636

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75460.**	**14888.**	**1683.0**	**5235.1**
Stddev	2.	42.	7.4	16.4
%RSD	.00318	.28026	.43925	.31368
#1	75458.	14917.	1688.2	5246.8
#2	75461.	14858.	1677.7	5223.5

Zoom In Zoom Out

Sample Name: mp80268-mb1 2 Acquired: 6/26/2014 0:02:32 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0000**	**-.0001**	**-.0003**	**.0003**	**-.0003**	**.0005**	**.0002**	**-.0012**
Stddev	.0000	.0000	.0001	.0002	.0000	.0000	.0000	.0004	.0002
%RSD	10.49	346.1	73.33	62.95	16.64	1.507	2.453	179.1	15.05
#1	.0004	.0000	.0000	-.0001	.0003	-.0003	.0005	-.0001	-.0010
#2	.0004	.0000	-.0001	-.0004	.0002	-.0003	.0005	.0005	-.0013

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0010**	**-.0008**	**-.0002**	**.0000**	**.0000**	**.0005**	**.0046**	**.0090**
Stddev	.0000	.0000	.0009	.0012	.000	.000	.0001	.0016	.0001
%RSD	15.14	.7973	107.1	718.3	1143.	677.5	17.89	34.90	1.002
#1	.0001	.0010	-.0002	-.0010	.0002	.0000	.0005	.0035	.0089
#2	.0001	.0010	-.0014	.0007	-.0003	-.0001	.0006	.0057	.0090

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0160**	**.0187**	**.0202**	**.0195**	**.0049**	**-.0009**	**-.0001**	**.0081**	**.0264**
Stddev	.0035	.0110	.0106	.0043	.0004	.0000	.0007	.0002	.0001
%RSD	22.20	58.80	52.57	22.03	7.362	5.513	770.2	2.027	.5475
#1	.0135	.0109	.0127	.0226	.0051	-.0008	.0004	.0080	.0265
#2	.0185	.0265	.0277	.0165	.0046	-.0009	-.0006	.0082	.0263

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**-.0120**	**-.0002**	**.0057**	**-.0013**	**-.0003**
Stddev	.0000	.0001	.0001	.0000	.0030	.0001	.0001
%RSD	81.14	130.0	.6792	16.27	53.91	9.659	29.14
#1	.0001	.0001	-.0120	-.0002	.0035	-.0012	-.0003
#2	.0000	.0000	-.0119	-.0002	.0078	-.0013	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86863.**	**15596.**	**1962.7**	**6517.8**
Stddev	61.	18.	3.6	1.3
%RSD	.06999	.11737	.18277	.01923
#1	86820.	15609.	1960.1	6516.9
#2	86906.	15583.	1965.2	6518.6

Zoom In Zoom Out

Sample Name: mp80268-b1 Acquired: 6/26/2014 0:08:49 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.133**	**.1063**	**.0938**	**.9881**	**.3926**	**.4795**	**1.048**	**1.047**	**.0987**
Stddev	.005	.0003	.0004	.0011	.0004	.0015	.002	.001	.0002
%RSD	.1316	.2986	.3938	.1107	.1015	.3047	.2020	.0920	.2342
#1	4.137	.1061	.0935	.9873	.3923	.4805	1.046	1.047	.0986
#2	4.129	.1065	.0940	.9888	.3929	.4784	1.049	1.048	.0989

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9806**	**1.057**	**4.231**	**4.249**	**1.045**	**4.100**	**1.057**	**55.91**	**12.52**
Stddev	.0012	.002	.000	.009	.003	.001	.002	.05	.12
%RSD	.1274	.1619	.0071	.2061	.2681	.0268	.1802	.0829	.9397
#1	.9797	1.056	4.231	4.255	1.043	4.099	1.056	55.88	12.44
#2	.9815	1.058	4.230	4.243	1.047	4.101	1.059	55.95	12.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**54.67**	**13.07**	**13.20**	**13.87**	**-.0021**	**.0016**	**-.0202**	**.0492**	**.0232**
Stddev	.20	.13	.02	.02	.0009	.0001	.0001	.0010	.0002
%RSD	.3614	.9688	.1889	.1508	40.64	4.399	.4194	2.021	.8043
#1	54.53	12.98	13.18	13.88	-.0015	.0017	-.0201	.0499	.0234
#2	54.81	13.16	13.22	13.85	-.0027	.0016	-.0202	.0485	.0231

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0026**	**-.0089**	**.0088**	**.0011**	**.0006**	**.0001**
Stddev	.0000	.0001	.0011	.0002	.0003	.0012	.0006
%RSD	23.68	3.440	12.62	1.951	29.69	200.4	584.3
#1	.0001	.0026	-.0081	.0089	.0013	.0014	.0005
#2	.0001	.0025	-.0097	.0087	.0009	-.0002	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82872.**	**15252.**	**1893.9**	**6067.1**
Stddev	159.	149.	2.8	7.4
%RSD	.19214	.97805	.14598	.12136
#1	82759.	15357.	1892.0	6061.9
#2	82985.	15146.	1895.9	6072.3

Zoom In Zoom Out

Sample Name: mp80268-s1 Acquired: 6/26/2014 0:14:54 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**6.825**	**.1077**	**.1229**	**1.115**	**17.06**	**3.635**	**4.381**	**1.909**	**.1137**
Stddev	.141	.0001	.0004	.001	.05	.009	.037	.001	.0002
%RSD	2.068	.0866	.3404	.0811	.2693	.2451	.8365	.0299	.2095
#1	6.725	.1078	.1232	1.116	17.09	3.629	4.355	1.909	.1139
#2	6.924	.1077	.1226	1.115	17.02	3.641	4.407	1.908	.1136

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.913**	**8.940**	**4.348**	**3.584**	**14.63**	**4.070**	**.7012**	**159.9**	**242.8**
Stddev	.003	.014	.009	.004	.01	.005	.0016	.2	.1
%RSD	.1348	.1519	.2034	.0978	.0790	.1291	.2262	.0980	.0466
#1	1.914	8.950	4.354	3.586	14.64	4.066	.7001	159.8	242.9
#2	1.911	8.930	4.342	3.581	14.62	4.074	.7023	160.1	242.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**405.6**	**107.0**	**23.08**	**23.94**	**.1642**	**.0281**	**-.0819**	**21.76**	**2.042**
Stddev	1.1	.3	.01	.02	.0009	.0000	.0002	.05	.003
%RSD	.2750	.2429	.0443	.0795	.5622	.1156	.2647	.2524	.1297
#1	404.8	106.8	23.09	23.93	.1648	.0282	-.0821	21.72	2.044
#2	406.4	107.1	23.07	23.96	.1635	.0281	-.0818	21.80	2.040

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.482**	**6.049**	**.0462**	**.1357**	**12.81**	**-.0773**	**.1239**
Stddev	.001	.007	.0008	.0003	.01	.0006	.0006
%RSD	.0859	.1238	1.782	.2177	.1077	.8221	.4879
#1	1.481	6.054	.0456	.1355	12.82	-.0768	.1235
#2	1.483	6.043	.0467	.1359	12.80	-.0777	.1243

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78411.**	**15013.**	**1748.7**	**5754.4**
Stddev	29.	27.	.5	3.4
%RSD	.03741	.17699	.02653	.05839
#1	78432.	15031.	1749.1	5756.8
#2	78390.	14994.	1748.4	5752.1

Zoom In Zoom Out

Sample Name: mp80268-s2 Acquired: 6/26/2014 0:21:16 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**6.943**	**.1089**	**.1315**	**1.176**	**21.72**	**5.154**	**4.669**	**2.197**	**.1205**
Stddev	.071	.0006	.0004	.000	.07	.014	.006	.003	.0001
%RSD	1.025	.5364	.3099	.0245	.3023	.2697	.1275	.1148	.1211
#1	6.994	.1085	.1318	1.176	21.68	5.145	4.665	2.198	.1204
#2	6.893	.1093	.1312	1.176	21.77	5.164	4.673	2.195	.1206

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.622**	**9.529**	**4.483**	**3.474**	**13.47**	**4.202**	**.8033**	**168.8**	**309.6**
Stddev	.009	.008	.001	.011	.01	.011	.0031	.5	2.0
%RSD	.3526	.0821	.0112	.3148	.0452	.2676	.3869	.2703	.6365
#1	2.615	9.534	4.483	3.482	13.47	4.210	.8055	168.5	308.2
#2	2.628	9.523	4.483	3.467	13.46	4.194	.8011	169.1	311.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**563.2**	**150.2**	**22.07**	**22.84**	**.1720**	**.0413**	**-.1135**	**23.73**	**1.792**
Stddev	1.9	.3	.00	.12	.0001	.0002	.0008	.09	.003
%RSD	.3368	.2011	.0068	.5173	.0477	.3984	.7095	.3841	.1549
#1	561.9	150.4	22.07	22.75	.1719	.0412	-.1129	23.67	1.790
#2	564.5	150.0	22.07	22.92	.1720	.0414	-.1141	23.80	1.793

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.611**	**7.435**	**.0561**	**.1305**	**16.57**	**-.0892**	**.1275**
Stddev	.002	.017	.0019	.0000	.03	.0025	.0006
%RSD	.1427	.2272	3.444	.0161	.1711	2.759	.4574
#1	1.613	7.423	.0548	.1305	16.59	-.0875	.1271
#2	1.609	7.447	.0575	.1305	16.55	-.0910	.1279

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77941.**	**15013.**	**1699.9**	**5823.7**
Stddev	98.	14.	.8	1.6
%RSD	.12594	.09025	.04711	.02697
#1	78011.	15022.	1700.5	5824.9
#2	77872.	15003.	1699.4	5822.6

Zoom In Zoom Out

Sample Name: jb69663-6 Acquired: 6/26/2014 0:27:38 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.510**	**.0052**	**.0235**	**.1240**	**16.33**	**3.434**	**2.102**	**.5004**	**.0103**
Stddev	.004	.0000	.0001	.0000	.03	.003	.005	.0013	.0001
%RSD	.1664	.6381	.6013	.0047	.2008	.0997	.2418	.2580	.6631
#1	2.513	.0052	.0236	.1240	16.35	3.432	2.106	.5013	.0103
#2	2.507	.0052	.0234	.1240	16.30	3.437	2.098	.4995	.0104

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5583**	**7.262**	**.0850**	**-.0019**	**16.87**	**.0094**	**.0219**	**72.07**	**181.5**
Stddev	.0023	.005	.0010	.0009	.01	.0039	.0010	.16	.0
%RSD	.4169	.0760	1.163	48.78	.0857	41.18	4.700	.2152	.0132
#1	.5599	7.266	.0843	-.0025	16.88	.0067	.0226	72.18	181.5
#2	.5567	7.258	.0857	-.0012	16.86	.0122	.0212	71.96	181.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**263.5**	**51.27**	**7.349**	**5.494**	**.1477**	**.0144**	**-.0419**	**10.26**	**1.977**
Stddev	.1	.01	.000	.011	.0003	.0000	.0004	.02	.001
%RSD	.0388	.0229	.0011	.2017	.2345	.1788	.8790	.2322	.0436
#1	263.5	51.28	7.349	5.501	.1480	.0144	-.0422	10.28	1.978
#2	263.4	51.26	7.349	5.486	.1475	.0144	-.0417	10.24	1.977

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.329**	**4.473**	**.0244**	**.0865**	**12.49**	**-.0492**	**.0986**
Stddev	.001	.005	.0003	.0001	.02	.0003	.0002
%RSD	.0857	.1186	1.383	.1721	.1325	.6972	.2500
#1	1.330	4.477	.0247	.0864	12.48	-.0490	.0985
#2	1.328	4.469	.0242	.0866	12.50	-.0495	.0988

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81808.**	**15349.**	**1815.6**	**5926.2**
Stddev	196.	32.	1.9	6.9
%RSD	.23950	.20913	.10687	.11693
#1	81946.	15327.	1814.2	5921.3
#2	81669.	15372.	1817.0	5931.1

Zoom In Zoom Out

Sample Name: mp80268-sd1 Acquired: 6/26/2014 0:33:41 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.463**	**.0053**	**.0227**	**.1286**	**16.91**	**3.216**	**2.169**	**.5185**	**.0099**
Stddev	.006	.0001	.0004	.0004	.02	.006	.009	.0011	.0010
%RSD	.2496	1.478	1.625	.2806	.1271	.2036	.4105	.2168	9.587
#1	2.467	.0053	.0230	.1289	16.90	3.211	2.162	.5193	.0093
#2	2.459	.0052	.0224	.1284	16.93	3.220	2.175	.5177	.0106

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5602**	**7.581**	**.0812**	**-.0054**	**17.46**	**-.0082**	**.0242**	**69.23**	**185.6**
Stddev	.0015	.002	.0045	.0003	.02	.0025	.0021	.10	.0
%RSD	.2714	.0308	5.550	5.697	.1150	30.26	8.688	.1496	.0088
#1	.5592	7.583	.0844	-.0052	17.45	-.0100	.0227	69.16	185.6
#2	.5613	7.579	.0780	-.0056	17.48	-.0065	.0257	69.31	185.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**277.9**	**51.71**	**7.065**	**5.272**	**.1223**	**.0095**	**-.0420**	**9.580**	**2.036**
Stddev	.4	.05	.064	.012	.0001	.0000	.0042	.057	.005
%RSD	.1276	.1013	.8998	.2331	.0515	.3561	9.969	.5904	.2651
#1	278.1	51.67	7.020	5.281	.1223	.0094	-.0449	9.540	2.040
#2	277.6	51.75	7.110	5.264	.1222	.0095	-.0390	9.620	2.032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.322**	**4.493**	**-.0454**	**.0842**	**11.92**	**-.0524**	**.0995**
Stddev	.002	.012	.0030	.0003	.04	.0014	.0018
%RSD	.1269	.2739	6.661	.3591	.3722	2.694	1.792
#1	1.323	4.484	-.0432	.0844	11.95	-.0534	.0983
#2	1.320	4.501	-.0475	.0840	11.89	-.0514	.1008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85369.**	**15432.**	**1943.1**	**6294.1**
Stddev	116.	39.	.0	3.9
%RSD	.13550	.25479	.00091	.06208
#1	85451.	15459.	1943.0	6296.9
#2	85287.	15404.	1943.1	6291.4

Zoom In Zoom Out

Sample Name: jb69663-1 Acquired: 6/26/2014 0:39:49 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.775**	**.0050**	**.0764**	**.1232**	**2.257**	**4.290**	**5.282**	**.5927**	**.0155**
Stddev	.006	.0000	.0000	.0004	.006	.006	.032	.0002	.0004
%RSD	.2112	.1077	.0202	.2912	.2708	.1449	.6033	.0261	2.696
#1	2.770	.0050	.0764	.1229	2.253	4.295	5.304	.5928	.0158
#2	2.779	.0050	.0764	.1235	2.261	4.286	5.259	.5926	.0152

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6509**	**8.611**	**.1639**	**-.0162**	**10.42**	**.0023**	**.0374**	**71.01**	**263.6**
Stddev	.0012	.009	.0006	.0013	.00	.0037	.0010	.05	.8
%RSD	.1875	.1067	.3836	8.081	.0131	159.0	2.705	.0727	.3048
#1	.6518	8.618	.1644	-.0172	10.42	-.0003	.0367	70.97	264.2
#2	.6500	8.605	.1635	-.0153	10.42	.0049	.0381	71.05	263.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**554.7**	**66.20**	**8.549**	**3.361**	**.1530**	**.0685**	**-.0924**	**7.752**	**.4498**
Stddev	6.1	.48	.022	.002	.0012	.0003	.0000	.024	.0003
%RSD	1.098	.7201	.2576	.0458	.7778	.4330	.0143	.3132	.0775
#1	559.0	66.53	8.564	3.360	.1539	.0683	-.0924	7.734	.4496
#2	550.4	65.86	8.533	3.362	.1522	.0687	-.0924	7.769	.4501

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.276**	**3.755**	**.0505**	**.1041**	**15.12**	**-.0237**	**.0984**
Stddev	.001	.001	.0017	.0004	.06	.0004	.0003
%RSD	.0862	.0327	3.304	.3643	.3710	1.795	.3248
#1	1.276	3.754	.0517	.1044	15.08	-.0234	.0981
#2	1.277	3.756	.0493	.1039	15.16	-.0240	.0986

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**79042.**	**15126.**	**1772.8**	**5981.6**
Stddev	105.	101.	5.1	10.3
%RSD	.13342	.66546	.28564	.17261
#1	78967.	15054.	1776.4	5988.9
#2	79117.	15197.	1769.2	5974.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 0:46:11 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.042**	**2.047**	**1.969**	**1.987**	**1.954**	**1.939**	**2.066**	**2.070**	**.2460**
Stddev	.001	.005	.003	.009	.004	.002	.006	.007	.0008
%RSD	.0458	.2471	.1274	.4454	.2276	.1146	.3095	.3537	.3441
#1	2.042	2.043	1.971	1.994	1.957	1.937	2.071	2.075	.2454
#2	2.043	2.051	1.967	1.981	1.950	1.940	2.062	2.064	.2466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.964**	**2.063**	**2.023**	**2.069**	**2.035**	**2.005**	**2.030**	**41.03**	**39.63**
Stddev	.004	.007	.004	.014	.011	.000	.005	.07	.08
%RSD	.1808	.3437	.2001	.6619	.5500	.0022	.2641	.1591	.2109
#1	1.966	2.068	2.026	2.078	2.043	2.005	2.034	40.98	39.57
#2	1.961	2.058	2.021	2.059	2.027	2.005	2.026	41.08	39.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.94**	**39.63**	**39.80**	**42.53**	**2.011**	**2.019**	**1.940**	**5.213**	**2.035**
Stddev	.09	.23	.10	.06	.004	.003	.001	.005	.006
%RSD	.2097	.5713	.2462	.1381	.1857	.1564	.0570	.0965	.3018
#1	40.88	39.47	39.73	42.49	2.014	2.021	1.941	5.216	2.040
#2	41.00	39.79	39.87	42.57	2.009	2.016	1.939	5.209	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 0:46:11 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**1.973**	**1.889**	**1.965**	**1.993**	**2.036**	**2.033**
Stddev	.003	.003	.006	.000	.004	.004	.001
%RSD	.1621	.1710	.3191	.0088	.2123	.1916	.0494
#1	2.028	1.975	1.885	1.965	1.996	2.039	2.033
#2	2.033	1.971	1.893	1.966	1.990	2.033	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80141.**	**15106.**	**1872.6**	**5863.3**
Stddev	43.	64.	1.5	16.2
%RSD	.05383	.42348	.08058	.27667
#1	80111.	15151.	1871.5	5851.9
#2	80172.	15061.	1873.6	5874.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 0:52:15 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0005**	**.0003**	**.0002**	**.0004**	**-.0002**	**.0007**	**.0000**	**-.0007**
Stddev	.0002	.0000	.0000	.0002	.0000	.0002	.0000	.0000	.0002
%RSD	24.15	10.39	10.99	104.1	11.39	88.84	3.550	131.2	25.30
#1	.0008	.0005	.0002	.0003	.0004	-.0003	.0007	.0000	-.0008
#2	.0006	.0004	.0003	.0000	.0004	-.0001	.0006	.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0005**	**-.0002**	**-.0008**	**.0011**	**.0008**	**.0029**	**.0086**	**.0123**
Stddev	.0000	.0001	.0001	.0002	.0009	.0004	.0015	.0035	.0034
%RSD	6.858	27.34	65.41	18.90	85.98	56.93	50.32	40.58	27.88
#1	.0006	.0006	-.0003	-.0007	.0017	.0005	.0040	.0110	.0147
#2	.0006	.0004	-.0001	-.0009	.0004	.0011	.0019	.0061	.0099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0228**	**.0150**	**.0146**	**.0185**	**.0012**	**.0009**	**.0007**	**.0115**	**.0004**
Stddev	.0010	.0080	.0058	.0068	.0008	.0005	.0002	.0039	.0001
%RSD	4.272	53.67	39.74	36.77	61.77	48.04	27.74	33.57	19.57
#1	.0235	.0093	.0188	.0137	.0018	.0013	.0005	.0088	.0004
#2	.0221	.0206	.0105	.0233	.0007	.0006	.0008	.0142	.0003
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 0:52:15 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0005**	**-.0050**	**.0004**	**.0029**	**-.0008**	**.0010**
Stddev	.0000	.0002	.0008	.0001	.0014	.0004	.0000
%RSD	1.560	41.41	16.89	28.56	47.03	48.92	.3719
#1	.0005	.0003	-.0044	.0004	.0019	-.0005	.0010
#2	.0005	.0006	-.0056	.0005	.0039	-.0010	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86789.**	**15461.**	**1979.6**	**6547.2**
Stddev	9.	47.	4.0	4.6
%RSD	.01039	.30697	.20222	.07039
#1	86783.	15494.	1982.5	6550.4
#2	86795.	15427.	1976.8	6543.9

Zoom In Zoom Out

Sample Name: jb69663-3 Acquired: 6/26/2014 0:58:34 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: 10 Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.170**	**.0057**	**.0071**	**.0650**	**.2236**	**.5725**	**3.646**	**.1665**	**.0057**
Stddev	.002	.0001	.0001	.0000	.0002	.0007	.009	.0002	.0004
%RSD	.1586	1.042	1.774	.0147	.1009	.1173	.2455	.1197	6.547
#1	1.171	.0057	.0072	.0650	.2234	.5730	3.640	.1666	.0054
#2	1.169	.0057	.0070	.0650	.2238	.5720	3.652	.1663	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2638**	**2.091**	**.0764**	**-.0071**	**2.617**	**.0078**	**.0011**	**77.61**	**85.43**
Stddev	.0012	.004	.0010	.0037	.005	.0010	.0000	.14	.24
%RSD	.4606	.1766	1.296	51.75	.1947	12.31	3.784	.1764	.2844
#1	.2630	2.088	.0757	-.0097	2.613	.0071	.0012	77.51	85.60
#2	.2647	2.093	.0771	-.0045	2.621	.0084	.0011	77.71	85.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**219.1**	**43.41**	**27.47**	**1.971**	**.0486**	**.0044**	**-.0345**	**10.28**	**.6729**
Stddev	.6	.09	.03	.006	.0012	.0000	.0004	.04	.0026
%RSD	.2644	.2052	.1095	.3265	2.450	.2623	1.051	.3683	.3831
#1	219.5	43.47	27.49	1.967	.0494	.0044	-.0342	10.25	.6711
#2	218.7	43.35	27.45	1.976	.0477	.0044	-.0348	10.30	.6748

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3374**	**5.261**	**.0094**	**.0690**	**3.955**	**-.0912**	**.1915**
Stddev	.0007	.009	.0010	.0002	.005	.0000	.0004
%RSD	.2014	.1740	10.42	.2956	.1342	.0329	.2054
#1	.3379	5.255	.0100	.0691	3.951	-.0912	.1912
#2	.3369	5.268	.0087	.0688	3.959	-.0912	.1918

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83547.**	**15645.**	**1924.3**	**6001.3**
Stddev	183.	3.	.5	6.2
%RSD	.21934	.02156	.02465	.10325
#1	83676.	15647.	1924.6	5996.9
#2	83417.	15642.	1924.0	6005.6

Zoom In Zoom Out

Sample Name: jb69663-5 Acquired: 6/26/2014 1:04:40 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.481**	**.0029**	**.0156**	**.0554**	**.1328**	**2.310**	**4.247**	**.2010**	**.0099**
Stddev	.004	.0001	.0001	.0002	.0001	.009	.003	.0008	.0003
%RSD	.2881	4.400	.5972	.3048	.0637	.3729	.0699	.4203	2.567
#1	1.478	.0030	.0156	.0553	.1327	2.317	4.245	.2004	.0101
#2	1.484	.0028	.0155	.0555	.1328	2.304	4.249	.2016	.0097

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1514**	**5.298**	**.1520**	**-.0051**	**4.882**	**.0075**	**.0250**	**43.47**	**69.64**
Stddev	.0004	.006	.0006	.0009	.006	.0032	.0001	.15	.07
%RSD	.2862	.1149	.3809	16.83	.1171	42.44	.4812	.3385	.1017
#1	.1517	5.294	.1524	-.0057	4.878	.0053	.0251	43.37	69.59
#2	.1511	5.302	.1516	-.0045	4.886	.0098	.0249	43.57	69.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**335.7**	**18.11**	**8.004**	**2.606**	**.0449**	**.0253**	**-.0489**	**5.938**	**.2690**
Stddev	.1	.03	.014	.004	.0001	.0000	.0004	.051	.0010
%RSD	.0317	.1623	.1712	.1512	.2044	.0153	.7693	.8610	.3791
#1	335.8	18.09	7.994	2.609	.0448	.0253	-.0491	5.974	.2683
#2	335.7	18.13	8.014	2.603	.0449	.0253	-.0486	5.902	.2697

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3646**	**2.726**	**.0198**	**.0514**	**15.44**	**-.0281**	**.0644**
Stddev	.0012	.001	.0008	.0004	.08	.0016	.0001
%RSD	.3410	.0304	4.153	.7170	.5196	5.691	.0962
#1	.3637	2.726	.0192	.0517	15.49	-.0270	.0643
#2	.3655	2.725	.0204	.0512	15.38	-.0292	.0644

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83633.**	**15471.**	**1892.2**	**6257.6**
Stddev	253.	9.	6.1	10.2
%RSD	.30270	.05548	.32474	.16248
#1	83454.	15477.	1887.9	6250.4
#2	83812.	15465.	1896.5	6264.8

Zoom In Zoom Out

Sample Name: jb69663-8 Acquired: 6/26/2014 1:10:59 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.798**	**.0044**	**.0854**	**.0845**	**.6318**	**6.076**	**3.075**	**.5617**	**.0184**
Stddev	.023	.0000	.0000	.0005	.0056	.030	.030	.0005	.0002
%RSD	.4751	.2532	.0255	.5650	.8818	.4940	.9793	.0856	1.228
#1	4.781	.0044	.0855	.0842	.6357	6.097	3.097	.5614	.0182
#2	4.814	.0044	.0854	.0848	.6278	6.054	3.054	.5621	.0185

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4658**	**12.75**	**.3718**	**-.0069**	**10.26**	**.0028**	**.0909**	**58.47**	**61.37**
Stddev	.0047	.03	.0002	.0028	.02	.0026	.0025	.25	.53
%RSD	1.017	.2361	.0563	40.51	.1515	92.93	2.758	.4339	.8674
#1	.4692	12.77	.3719	-.0049	10.27	.0010	.0891	58.29	61.00
#2	.4625	12.73	.3716	-.0088	10.25	.0046	.0926	58.65	61.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**405.8**	**30.60**	**5.252**	**2.685**	**.0902**	**.0535**	**-.0585**	**5.578**	**.6940**
Stddev	3.8	.21	.039	.014	.0007	.0002	.0004	.014	.0020
%RSD	.9387	.6948	.7365	.5154	.8064	.4096	.6387	.2498	.2937
#1	403.1	30.45	5.225	2.675	.0907	.0537	-.0588	5.568	.6954
#2	408.5	30.75	5.280	2.695	.0897	.0534	-.0582	5.588	.6926

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4544**	**2.157**	**.0478**	**.0546**	**6.464**	**-.0051**	**.0571**
Stddev	.0027	.015	.0002	.0000	.032	.0007	.0002
%RSD	.5978	.7119	.4237	.0912	.4985	14.56	.4167
#1	.4525	2.167	.0477	.0546	6.487	-.0046	.0569
#2	.4563	2.146	.0480	.0547	6.441	-.0056	.0573

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84996.**	**15472.**	**1887.1**	**6259.9**
Stddev	559.	104.	5.0	12.2
%RSD	.65751	.67176	.26541	.19556
#1	84601.	15546.	1890.6	6268.5
#2	85391.	15399.	1883.6	6251.2

Zoom In Zoom Out

Sample Name: jb69663-14 Acquired: 6/26/2014 1:17:09 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.500**	**.0029**	**.0159**	**.0741**	**.4204**	**2.011**	**2.625**	**.5601**	**.0100**
Stddev	.003	.0000	.0003	.0004	.0017	.004	.011	.0003	.0005
%RSD	.1976	.8423	1.981	.5099	.3976	.2165	.4061	.0456	4.511
#1	1.502	.0029	.0156	.0744	.4216	2.014	2.632	.5603	.0097
#2	1.498	.0029	.0161	.0738	.4192	2.008	2.617	.5599	.0103

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3694**	**4.726**	**.2117**	**-.0098**	**8.807**	**.0074**	**.0265**	**36.29**	**200.3**
Stddev	.0014	.006	.0000	.0002	.006	.0010	.0005	.03	.8
%RSD	.3917	.1379	.0209	2.539	.0667	14.07	1.814	.0726	.3889
#1	.3704	4.730	.2117	-.0100	8.811	.0066	.0269	36.31	199.7
#2	.3684	4.721	.2117	-.0096	8.803	.0081	.0262	36.27	200.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**400.9**	**15.50**	**6.176**	**3.392**	**.0262**	**.0874**	**-.0594**	**6.051**	**.2401**
Stddev	1.2	.04	.004	.001	.0003	.0000	.0000	.031	.0004
%RSD	.2931	.2544	.0589	.0364	1.262	.0380	.0027	.5106	.1662
#1	400.1	15.47	6.178	3.391	.0259	.0875	-.0594	6.029	.2404
#2	401.8	15.53	6.173	3.392	.0264	.0874	-.0594	6.073	.2398

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5055**	**2.325**	**.0261**	**.0561**	**25.56**	**-.0130**	**.0522**
Stddev	.0010	.001	.0022	.0002	.00	.0001	.0005
%RSD	.2036	.0359	8.306	.3758	.0133	.9434	.9456
#1	.5062	2.326	.0246	.0560	25.56	-.0129	.0526
#2	.5047	2.325	.0277	.0563	25.55	-.0131	.0519

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83295.**	**15374.**	**1853.2**	**6155.1**
Stddev	112.	79.	1.6	11.0
%RSD	.13504	.51443	.08503	.17830
#1	83215.	15430.	1854.3	6162.9
#2	83374.	15319.	1852.1	6147.3

Zoom In Zoom Out

Sample Name: jb69675-1 Acquired: 6/26/2014 1:23:19 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**7.644**	**.0058**	**.0632**	**.0890**	**.7327**	**2.168**	**12.51**	**.3559**	**.0170**
Stddev	.121	.0001	.0004	.0004	.0021	.005	.05	.0005	.0003
%RSD	1.580	.9319	.6691	.4857	.2846	.2138	.4384	.1460	1.827
#1	7.559	.0057	.0629	.0893	.7342	2.171	12.55	.3562	.0168
#2	7.729	.0058	.0635	.0887	.7312	2.165	12.47	.3555	.0173

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4826**	**16.91**	**.1662**	**-.0051**	**14.44**	**.0086**	**.0594**	**79.57**	**296.6**
Stddev	.0026	.02	.0018	.0004	.01	.0016	.0016	.48	1.8
%RSD	.5305	.0924	1.067	8.626	.0553	18.63	2.763	.5977	.5943
#1	.4844	16.90	.1649	-.0048	14.44	.0075	.0583	79.24	295.3
#2	.4808	16.92	.1674	-.0054	14.45	.0098	.0606	79.91	297.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**311.7**	**47.03**	**9.277**	**1.502**	**.0774**	**.0190**	**-.0510**	**5.830**	**.6322**
Stddev	3.5	.41	.049	.001	.0000	.0001	.0008	.006	.0011
%RSD	1.129	.8692	.5283	.0370	.0183	.6408	1.557	.1109	.1726
#1	309.2	46.74	9.242	1.502	.0774	.0189	-.0515	5.834	.6330
#2	314.2	47.32	9.311	1.502	.0774	.0191	-.0504	5.825	.6314

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8356**	**3.241**	**.0850**	**.0854**	**8.633**	**-.0363**	**.1345**
Stddev	.0053	.009	.0010	.0000	.016	.0003	.0006
%RSD	.6291	.2792	1.217	.0413	.1866	.9341	.4593
#1	.8318	3.247	.0842	.0854	8.645	-.0360	.1341
#2	.8393	3.235	.0857	.0854	8.622	-.0365	.1350

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82221.**	**15422.**	**1826.7**	**5844.1**
Stddev	222.	136.	2.0	2.5
%RSD	.27011	.88324	.10703	.04326
#1	82063.	15518.	1828.1	5845.9
#2	82378.	15325.	1825.3	5842.3

Zoom In Zoom Out

Sample Name: jb69675-2 Acquired: 6/26/2014 1:29:48 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**6.095**	**.0236**	**.0426**	**.0685**	**2.677**	**2.024**	**39.68**	**.4472**	**.0273**
Stddev	.136	.0000	.0001	.0008	.004	.002	.12	.0007	.0003
%RSD	2.227	.0173	.2237	1.170	.1681	.0975	.3043	.1606	1.049
#1	6.190	.0236	.0425	.0691	2.674	2.023	39.59	.4477	.0271
#2	5.999	.0236	.0426	.0680	2.680	2.025	39.76	.4467	.0275

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.180**	**9.460**	**.1114**	**-.0051**	**10.45**	**.0094**	**.0378**	**135.7**	**503.0**
Stddev	.004	.005	.0013	.0027	.01	.0011	.0000	.3	2.5
%RSD	.3403	.0561	1.161	52.65	.0557	12.12	.0870	.1875	.4961
#1	1.177	9.463	.1105	-.0032	10.46	.0102	.0378	135.5	504.8
#2	1.183	9.456	.1123	-.0071	10.45	.0086	.0379	135.8	501.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**453.0**	**229.8**	**34.86**	**3.162**	**.2004**	**.0445**	**-.0840**	**6.466**	**.4071**
Stddev	1.2	.1	.08	.004	.0021	.0001	.0002	.014	.0004
%RSD	.2747	.0570	.2364	.1153	1.065	.2878	.2793	.2162	.0883
#1	452.1	229.9	34.80	3.164	.2019	.0446	-.0838	6.476	.4069
#2	453.9	229.7	34.92	3.159	.1989	.0444	-.0841	6.456	.4074

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8891**	**7.474**	**.0985**	**.1848**	**12.11**	**-.1047**	**.2009**
Stddev	.0015	.018	.0003	.0004	.03	.0000	.0014
%RSD	.1690	.2351	.2995	.2300	.2526	.0129	.7110
#1	.8880	7.462	.0987	.1845	12.13	-.1047	.1999
#2	.8901	7.487	.0982	.1851	12.09	-.1047	.2019

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81162.**	**15603.**	**1781.4**	**5531.3**
Stddev	59.	14.	3.1	3.1
%RSD	.07287	.09008	.17433	.05544
#1	81203.	15593.	1783.6	5533.5
#2	81120.	15613.	1779.2	5529.1

Zoom In Zoom Out

Sample Name: jb69675-3 Acquired: 6/26/2014 1:36:14 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.521**	**.0065**	**.0085**	**.0648**	**.4089**	**.5470**	**6.076**	**.1672**	**.0054**
Stddev	.001	.0001	.0002	.0002	.0080	.0036	.052	.0000	.0002
%RSD	.0365	1.013	2.183	.2952	1.952	.6631	.8568	.0232	4.539
#1	1.521	.0066	.0086	.0649	.4145	.5496	6.112	.1672	.0055
#2	1.521	.0065	.0084	.0646	.4032	.5445	6.039	.1672	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3467**	**2.449**	**.0492**	**-.0048**	**2.139**	**.0044**	**.0071**	**137.8**	**86.52**
Stddev	.0056	.002	.0020	.0005	.001	.0047	.0020	.1	.00
%RSD	1.608	.0752	4.065	9.699	.0379	106.9	28.52	.0912	.0011
#1	.3506	2.450	.0506	-.0045	2.139	.0077	.0057	137.7	86.52
#2	.3427	2.448	.0478	-.0051	2.138	.0011	.0085	137.8	86.52

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**191.4**	**29.79**	**10.48**	**.6950**	**.0560**	**.0081**	**-.0301**	**11.95**	**.0916**
Stddev	.0	.06	.01	.0038	.0010	.0004	.0000	.01	.0003
%RSD	.0066	.2123	.1128	.5519	1.839	4.741	.1030	.1240	.2797
#1	191.4	29.74	10.49	.6977	.0567	.0083	-.0301	11.96	.0918
#2	191.4	29.83	10.47	.6923	.0552	.0078	-.0301	11.94	.0915

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3400**	**4.598**	**.0163**	**.0997**	**7.287**	**-.0827**	**.1270**
Stddev	.0005	.068	.0001	.0013	.032	.0010	.0001
%RSD	.1353	1.479	.7531	1.260	.4329	1.231	.0484
#1	.3403	4.646	.0162	.1006	7.310	-.0820	.1271
#2	.3397	4.550	.0164	.0988	7.265	-.0834	.1270

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86055.**	**15724.**	**1967.6**	**6028.4**
Stddev	837.	.	2.2	4.4
%RSD	.97240	.00229	.11223	.07261
#1	85463.	15723.	1969.2	6031.5
#2	86647.	15724.	1966.0	6025.3

Zoom In Zoom Out

Sample Name: jb69675-4 Acquired: 6/26/2014 1:42:27 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9849**	**.0068**	**.0112**	**.0714**	**.5693**	**.6730**	**9.271**	**.1616**	**.0061**
Stddev	.0057	.0001	.0000	.0008	.0018	.0017	.034	.0013	.0001
%RSD	.5804	1.857	.0825	1.077	.3245	.2598	.3698	.8042	1.222
#1	.9809	.0067	.0112	.0719	.5706	.6743	9.295	.1625	.0061
#2	.9890	.0069	.0112	.0708	.5680	.6718	9.246	.1606	.0060

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3924**	**2.435**	**.0507**	**-.0059**	**1.375**	**.0065**	**.0087**	**99.39**	**64.32**
Stddev	.0002	.019	.0002	.0001	.009	.0002	.0002	.37	.29
%RSD	.0575	.7843	.3193	.8955	.6323	2.574	2.134	.3766	.4469
#1	.3926	2.448	.0509	-.0059	1.381	.0064	.0089	99.12	64.53
#2	.3923	2.421	.0506	-.0059	1.369	.0067	.0086	99.65	64.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**199.6**	**23.27**	**8.265**	**.5206**	**.0364**	**.0111**	**-.0292**	**13.86**	**.0882**
Stddev	.0	.11	.054	.0011	.0000	.0003	.0009	.09	.0011
%RSD	.0096	.4885	.6553	.2178	.0775	2.805	3.076	.6662	1.200
#1	199.6	23.35	8.226	.5198	.0364	.0113	-.0298	13.92	.0889
#2	199.6	23.19	8.303	.5214	.0364	.0109	-.0285	13.79	.0874

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1882**	**3.869**	**.0070**	**.0839**	**13.18**	**-.0664**	**.1226**
Stddev	.0006	.001	.0008	.0001	.10	.0010	.0001
%RSD	.3136	.0134	10.96	.1178	.7265	1.478	.1167
#1	.1878	3.869	.0075	.0839	13.25	-.0671	.1227
#2	.1886	3.869	.0064	.0840	13.11	-.0657	.1225

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85751.**	**15578.**	**1947.3**	**6096.6**
Stddev	209.	6.	9.3	32.8
%RSD	.24390	.04157	.47874	.53756
#1	85603.	15574.	1940.7	6073.4
#2	85899.	15583.	1953.9	6119.8

Zoom In Zoom Out

Sample Name: jb69675-5 Acquired: 6/26/2014 1:48:40 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.522**	**.0097**	**.0115**	**.1211**	**1.930**	**1.265**	**37.51**	**.3019**	**.0201**
Stddev	.003	.0001	.0004	.0003	.005	.000	.34	.0009	.0003
%RSD	.1744	.5155	3.465	.2178	.2445	.0233	.8984	.3009	1.292
#1	1.520	.0097	.0112	.1210	1.933	1.265	37.28	.3012	.0203
#2	1.524	.0098	.0118	.1213	1.926	1.265	37.75	.3025	.0199

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.624**	**2.495**	**.1028**	**-.0007**	**3.550**	**.0077**	**.0092**	**98.24**	**232.5**
Stddev	.001	.002	.0016	.0031	.001	.0008	.0007	.21	.2
%RSD	.0354	.0773	1.569	441.2	.0408	10.89	7.593	.2097	.0654
#1	1.625	2.496	.1016	.0015	3.549	.0082	.0097	98.09	232.6
#2	1.624	2.493	.1039	-.0029	3.551	.0071	.0087	98.38	232.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**355.2**	**58.08**	**10.34**	**1.089**	**.0913**	**.0195**	**-.0603**	**8.263**	**.1369**
Stddev	4.2	.40	.01	.001	.0008	.0002	.0011	.018	.0004
%RSD	1.184	.6879	.1426	.1297	.8715	1.110	1.824	.2143	.2662
#1	358.2	58.36	10.33	1.090	.0918	.0196	-.0596	8.251	.1372
#2	352.2	57.79	10.35	1.088	.0907	.0193	-.0611	8.276	.1367

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3952**	**5.744**	**.0563**	**.1033**	**4.197**	**-.0778**	**.1583**
Stddev	.0004	.000	.0011	.0005	.006	.0011	.0011
%RSD	.0914	.0047	1.990	.4930	.1415	1.418	.6773
#1	.3950	5.744	.0571	.1037	4.201	-.0771	.1575
#2	.3955	5.744	.0555	.1030	4.193	-.0786	.1590

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82492.**	**15500.**	**1850.2**	**5908.0**
Stddev	22.	118.	6.6	16.8
%RSD	.02684	.76439	.35518	.28395
#1	82508.	15417.	1854.8	5919.9
#2	82477.	15584.	1845.5	5896.2

Zoom In Zoom Out

Sample Name: jb69675-6 Acquired: 6/26/2014 1:55:01 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.010**	**.0033**	**.0072**	**.0495**	**4.385**	**.5522**	**44.96**	**.1625**	**.0246**
Stddev	.002	.0000	.0003	.0004	.002	.0001	.17	.0016	.0003
%RSD	.1499	.0725	3.609	.8214	.0341	.0095	.3798	.9628	1.217
#1	1.011	.0034	.0073	.0498	4.384	.5522	45.08	.1636	.0248
#2	1.009	.0033	.0070	.0492	4.386	.5521	44.84	.1614	.0244

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.883**	**1.446**	**.0705**	**-.0007**	**2.157**	**.0076**	**.0032**	**69.80**	**469.3**
Stddev	.002	.028	.0012	.0005	.009	.0009	.0014	.07	2.0
%RSD	.1296	1.965	1.752	64.21	.4320	12.25	45.00	.1015	.4243
#1	1.884	1.466	.0714	-.0010	2.163	.0070	.0042	69.85	467.9
#2	1.881	1.426	.0696	-.0004	2.150	.0083	.0022	69.75	470.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**440.3**	**94.99**	**7.239**	**1.222**	**.0993**	**.0312**	**-.0812**	**6.752**	**.0892**
Stddev	.4	.07	.015	.008	.0006	.0003	.0006	.019	.0000
%RSD	.0819	.0711	.2035	.6459	.6214	1.074	.7897	.2818	.0010
#1	440.6	95.04	7.249	1.216	.0997	.0309	-.0807	6.738	.0892
#2	440.1	94.95	7.228	1.227	.0989	.0314	-.0816	6.765	.0892

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8518**	**6.183**	**.0559**	**.0949**	**15.13**	**-.0770**	**.0951**
Stddev	.0010	.000	.0004	.0002	.03	.0022	.0004
%RSD	.1142	.0026	.7391	.2179	.1926	2.797	.4715
#1	.8525	6.183	.0556	.0950	15.15	-.0755	.0948
#2	.8511	6.184	.0562	.0947	15.11	-.0786	.0954

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**78741.**	**15059.**	**1734.2**	**5738.7**
Stddev	13.	6.	13.4	35.8
%RSD	.01602	.03782	.77451	.62388
#1	78750.	15063.	1743.7	5764.0
#2	78732.	15055.	1724.7	5713.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 2:01:25 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**2.009**	**1.942**	**1.947**	**1.921**	**1.859**	**2.015**	**2.065**	**.2414**
Stddev	.002	.006	.002	.001	.004	.007	.000	.001	.0007
%RSD	.1127	.3182	.0902	.0355	.2031	.3550	.0117	.0654	.2738
#1	2.008	2.004	1.941	1.948	1.918	1.864	2.015	2.064	.2418
#2	2.011	2.013	1.944	1.947	1.923	1.855	2.015	2.066	.2409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.866**	**2.056**	**2.031**	**2.039**	**2.008**	**1.995**	**2.016**	**39.90**	**39.95**
Stddev	.000	.001	.006	.005	.001	.005	.008	.18	.18
%RSD	.0074	.0223	.2907	.2383	.0714	.2335	.3847	.4518	.4555
#1	1.866	2.056	2.027	2.035	2.009	1.991	2.011	39.77	39.82
#2	1.866	2.056	2.036	2.042	2.007	1.998	2.022	40.02	40.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.98**	**39.83**	**39.12**	**41.86**	**2.003**	**1.993**	**1.890**	**5.202**	**2.027**
Stddev	.12	.23	.08	.08	.008	.004	.005	.016	.000
%RSD	.2955	.5818	.2102	.1918	.4159	.2238	.2465	.3015	.0044
#1	40.89	39.66	39.07	41.80	1.997	1.989	1.894	5.191	2.027
#2	41.06	39.99	39.18	41.91	2.009	1.996	1.887	5.213	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 2:01:25 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.041**	**1.918**	**1.866**	**1.924**	**1.977**	**2.023**	**2.029**
Stddev	.002	.001	.008	.001	.014	.007	.002
%RSD	.1073	.0242	.4247	.0262	.7247	.3622	.1036
#1	2.039	1.917	1.860	1.924	1.967	2.017	2.027
#2	2.042	1.918	1.871	1.925	1.987	2.028	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**82872.**	**15143.**	**1895.2**	**5947.9**
Stddev	69.	69.	3.9	6.6
%RSD	.08359	.45764	.20566	.11080
#1	82823.	15192.	1897.9	5952.6
#2	82921.	15094.	1892.4	5943.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 2:07:29 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0003**	**.0003**	**.0004**	**.0003**	**-.0001**	F **.0016**	**.0001**	**-.0007**
Stddev	.0001	.0001	.0001	.0001	.0002	.0001	.0001	.0001	.0003
%RSD	24.28	24.00	27.50	31.17	63.33	77.68	9.349	167.7	39.24
#1	.0004	.0003	.0003	.0004	.0002	-.0002	.0015	.0000	-.0009
#2	.0006	.0004	.0002	.0003	.0005	.0000	.0017	.0002	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							.0015		
Low Limit							-.0015		

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0004**	**-.0011**	**.0012**	**.0000**	**.0014**	**.0004**	**.0019**	**.0054**
Stddev	.0001	.0003	.0010	.0008	.0004	.0025	.0002	.0043	.0012
%RSD	26.04	71.93	90.16	67.69	2481.	175.0	35.02	230.2	21.49
#1	.0005	.0006	-.0004	.0018	-.0002	.0032	.0005	-.0012	.0045
#2	.0004	.0002	-.0018	.0006	.0003	-.0003	.0003	.0049	.0062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0133**	**.0283**	**.0011**	**.0052**	**.0011**	**.0010**	**-.0001**	**.0056**	**.0008**
Stddev	.0029	.0130	.0111	.0024	.0004	.0004	.0006	.0016	.0006
%RSD	21.53	46.02	1051.	46.53	31.51	40.28	1055.	28.48	75.99
#1	.0112	.0191	-.0068	.0069	.0014	.0012	.0004	.0045	.0012
#2	.0153	.0375	.0089	.0035	.0009	.0007	-.0005	.0068	.0004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 2:07:29 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0006**	**-.0056**	**.0004**	**.0023**	**-.0012**	**-.0001**
Stddev	.0000	.0001	.0007	.0000	.0016	.0004	.0001
%RSD	6.219	20.24	13.20	5.974	68.97	31.75	232.2
#1	.0003	.0005	-.0051	.0004	.0034	-.0015	.0000
#2	.0004	.0007	-.0062	.0004	.0012	-.0009	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88713.**	**15442.**	**1992.0**	**6620.7**
Stddev	230.	30.	6.6	10.8
%RSD	.25900	.19198	.33180	.16357
#1	88550.	15463.	1996.7	6628.4
#2	88875.	15421.	1987.3	6613.1

Zoom In Zoom Out

Sample Name: jb69675-7 Acquired: 6/26/2014 2:13:47 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0165**	**.0002**	**.0011**	**.0007**	**.0080**	**.0062**	**.0214**	**.0032**	**-.0005**
Stddev	.0001	.0000	.0000	.0000	.0002	.0001	.0002	.0004	.0001
%RSD	.5060	8.016	2.587	2.818	2.186	1.076	.8344	11.49	23.73
#1	.0166	.0002	.0010	.0007	.0082	.0062	.0215	.0035	-.0004
#2	.0164	.0003	.0011	.0007	.0079	.0063	.0213	.0029	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0174**	**.1052**	**.0036**	**.0003**	**.0326**	**.0020**	**.0009**	**3.656**	**1.054**
Stddev	.0000	.0000	.0004	.0007	.0007	.0006	.0006	.009	.007
%RSD	.2156	.0316	10.66	221.3	2.088	30.39	62.41	.2552	.6839
#1	.0174	.1052	.0039	.0008	.0331	.0024	.0005	3.649	1.059
#2	.0174	.1052	.0033	-.0002	.0321	.0015	.0013	3.662	1.049

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.831**	**.2611**	**.4672**	**.0567**	**.0030**	**.0015**	**-.0005**	**3.121**	**.0268**
Stddev	.030	.0056	.0298	.0011	.0000	.0001	.0000	.001	.0007
%RSD	.5133	2.161	6.386	1.980	.8593	7.962	8.973	.0259	2.451
#1	5.853	.2651	.4883	.0575	.0030	.0016	-.0005	3.120	.0273
#2	5.810	.2571	.4461	.0559	.0030	.0014	-.0006	3.121	.0263

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0088**	**.0624**	**-.0112**	**.0030**	**2.648**	**-.0026**	**.0026**
Stddev	.0001	.0004	.0016	.0001	.013	.0004	.0005
%RSD	.9393	.6239	14.57	3.823	.4803	16.57	17.82
#1	.0088	.0627	-.0100	.0030	2.657	-.0023	.0030
#2	.0089	.0621	-.0124	.0029	2.639	-.0029	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87312.**	**15504.**	**1975.7**	**6499.4**
Stddev	114.	66.	2.0	4.8
%RSD	.13061	.42777	.10268	.07346
#1	87232.	15457.	1977.1	6496.0
#2	87393.	15551.	1974.2	6502.7

Zoom In Zoom Out

Sample Name: jb69675-8 Acquired: 6/26/2014 2:19:59 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.658**	**.0063**	**.0103**	**.1034**	**.9219**	**1.033**	**11.52**	**.2740**	**.0097**
Stddev	.003	.0001	.0000	.0004	.0010	.002	.01	.0001	.0000
%RSD	.1910	1.508	.2649	.4020	.1089	.2233	.0818	.0199	.3305
#1	1.661	.0063	.0103	.1037	.9212	1.032	11.53	.2740	.0097
#2	1.656	.0064	.0103	.1031	.9226	1.035	11.51	.2740	.0096

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5526**	**2.670**	**.0828**	**-.0086**	**3.620**	**.0052**	**.0102**	**80.41**	**108.3**
Stddev	.0013	.001	.0000	.0013	.005	.0012	.0012	.28	.2
%RSD	.2358	.0511	.0128	15.16	.1399	22.30	12.03	.3460	.2235
#1	.5516	2.670	.0828	-.0077	3.623	.0060	.0093	80.60	108.5
#2	.5535	2.669	.0828	-.0096	3.616	.0044	.0110	80.21	108.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**271.7**	**35.84**	**7.286**	**1.008**	**.0542**	**.0477**	**-.0420**	**8.507**	**.1411**
Stddev	1.0	.09	.022	.002	.0009	.0001	.0001	.025	.0012
%RSD	.3557	.2481	.3048	.1934	1.634	.1555	.3123	.2937	.8553
#1	272.4	35.90	7.302	1.010	.0548	.0477	-.0419	8.525	.1419
#2	271.0	35.78	7.271	1.007	.0536	.0478	-.0421	8.490	.1402

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3662**	**3.520**	**.0262**	**.0962**	**15.00**	**-.0496**	**.1176**
Stddev	.0002	.006	.0005	.0002	.03	.0000	.0005
%RSD	.0430	.1632	1.941	.1854	.2223	.0190	.3956
#1	.3663	3.516	.0266	.0963	14.98	-.0496	.1173
#2	.3661	3.524	.0258	.0961	15.02	-.0496	.1180

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83601.**	**15460.**	**1891.2**	**6036.5**
Stddev	286.	16.	.0	4.7
%RSD	.34221	.10487	.00109	.07745
#1	83803.	15449.	1891.2	6039.8
#2	83398.	15472.	1891.2	6033.2

Zoom In Zoom Out

Sample Name: jb69675-9 Acquired: 6/26/2014 2:26:10 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.894**	**.0321**	**.0065**	**.1313**	**.9220**	**2.921**	**5.781**	**.7130**	**.0083**
Stddev	.004	.0001	.0001	.0003	.0026	.009	.048	.0030	.0000
%RSD	.2213	.2056	1.123	.2520	.2797	.3002	.8349	.4220	.5724
#1	1.891	.0321	.0065	.1316	.9201	2.914	5.815	.7152	.0082
#2	1.897	.0322	.0066	.1311	.9238	2.927	5.747	.7109	.0083

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4112**	**13.03**	**.1359**	**-.0091**	**4.044**	**.0001**	**.0309**	**103.9**	**182.0**
Stddev	.0002	.02	.0015	.0002	.005	.0007	.0019	.2	.3
%RSD	.0590	.1362	1.072	2.720	.1326	1102.	6.065	.2393	.1546
#1	.4114	13.04	.1348	-.0089	4.048	-.0004	.0295	103.7	182.2
#2	.4111	13.01	.1369	-.0093	4.040	.0006	.0322	104.1	181.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**306.9**	**99.30**	**10.23**	**3.102**	**.6491**	**.1231**	**-.0481**	**10.23**	**.7279**
Stddev	1.3	.01	.02	.006	.0010	.0003	.0011	.04	.0019
%RSD	.4246	.0094	.2021	.1831	.1551	.2405	2.358	.4129	.2616
#1	306.0	99.29	10.21	3.098	.6499	.1233	-.0489	10.26	.7293
#2	307.8	99.31	10.24	3.106	.6484	.1229	-.0473	10.20	.7266

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4459**	**3.381**	**.0680**	**.1295**	**7.207**	**-.0441**	**.1215**
Stddev	.0006	.002	.0026	.0001	.019	.0005	.0002
%RSD	.1426	.0605	3.871	.0643	.2645	1.088	.1372
#1	.4455	3.379	.0661	.1294	7.220	-.0437	.1213
#2	.4464	3.382	.0699	.1295	7.193	-.0444	.1216

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81735.**	**15535.**	**1845.3**	**5810.7**
Stddev	72.	1.	.5	2.3
%RSD	.08817	.00464	.02905	.03933
#1	81786.	15535.	1845.7	5809.1
#2	81684.	15534.	1845.0	5812.3

Zoom In Zoom Out

Sample Name: jb69675-10 Acquired: 6/26/2014 2:32:25 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9361**	**.0070**	**.0015**	**.0662**	**.2202**	**.3144**	**2.353**	**.1437**	**.0057**
Stddev	.0023	.0000	.0001	.0004	.0009	.0006	.006	.0007	.0001
%RSD	.2410	.1350	9.031	.5306	.4264	.1986	.2387	.4914	2.109
#1	.9377	.0070	.0014	.0660	.2209	.3139	2.349	.1442	.0056
#2	.9345	.0069	.0016	.0665	.2196	.3148	2.357	.1432	.0058

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2593**	**1.073**	**.0490**	**-.0080**	**1.263**	**.0042**	**.0106**	**104.5**	**50.49**
Stddev	.0005	.001	.0002	.0022	.001	.0017	.0012	.1	.28
%RSD	.2042	.0655	.4643	28.15	.0401	40.71	11.43	.0616	.5632
#1	.2589	1.073	.0491	-.0095	1.263	.0030	.0114	104.4	50.29
#2	.2596	1.072	.0488	-.0064	1.264	.0054	.0097	104.5	50.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**195.3**	**24.69**	**11.01**	**1.593**	**.0468**	**.0142**	**-.0297**	**10.02**	**.1161**
Stddev	.4	.15	.00	.004	.0001	.0002	.0007	.02	.0004
%RSD	.2233	.5906	.0075	.2376	.1146	1.247	2.368	.2096	.3184
#1	195.0	24.59	11.01	1.590	.0468	.0143	-.0292	10.03	.1158
#2	195.6	24.79	11.01	1.596	.0468	.0141	-.0302	10.00	.1163

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4164**	**3.448**	**-.0002**	**.0796**	**5.583**	**-.0581**	**.1117**
Stddev	.0019	.002	.0005	.0003	.001	.0015	.0001
%RSD	.4542	.0693	230.8	.3455	.0103	2.546	.0625
#1	.4177	3.446	.0001	.0794	5.584	-.0571	.1116
#2	.4151	3.450	-.0006	.0798	5.583	-.0592	.1117

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85482.**	**15851.**	**1966.5**	**6058.4**
Stddev	68.	127.	3.0	6.0
%RSD	.07933	.79889	.15180	.09857
#1	85530.	15941.	1968.6	6062.6
#2	85434.	15762.	1964.4	6054.2

Zoom In Zoom Out

Sample Name: jb69675-11 Acquired: 6/26/2014 2:38:32 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.9583**	**.0070**	**.0057**	**.0666**	**.2665**	**.1856**	**1.363**	**.1968**	**.0024**
Stddev	.0001	.0001	.0000	.0003	.0005	.0005	.002	.0006	.0000
%RSD	.0130	1.061	.8647	.3985	.1903	.2456	.1128	.2926	.3640
#1	.9582	.0069	.0057	.0667	.2668	.1859	1.362	.1972	.0024
#2	.9584	.0070	.0056	.0664	.2661	.1853	1.364	.1964	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3152**	**1.377**	**.1300**	**-.0031**	**.8476**	**.0045**	**.0032**	**88.54**	**27.08**
Stddev	.0004	.005	.0017	.0004	.0031	.0006	.0025	.03	.07
%RSD	.1163	.3449	1.283	12.57	.3616	13.69	77.78	.0307	.2688
#1	.3155	1.381	.1312	-.0028	.8498	.0050	.0014	88.53	27.03
#2	.3149	1.374	.1289	-.0033	.8455	.0041	.0049	88.56	27.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**130.9**	**24.98**	**9.553**	**.9508**	**.0460**	**.0113**	**-.0205**	**6.991**	**.0744**
Stddev	.2	.09	.024	.0059	.0005	.0001	.0001	.041	.0011
%RSD	.1708	.3587	.2490	.6171	1.117	.8950	.3880	.5886	1.479
#1	130.7	24.92	9.536	.9467	.0456	.0112	-.0204	7.020	.0752
#2	131.0	25.04	9.570	.9550	.0463	.0113	-.0205	6.962	.0736

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2221**	**3.868**	**-.0010**	**.1345**	**11.36**	**-.0697**	**.1433**
Stddev	.0005	.001	.0009	.0007	.04	.0006	.0010
%RSD	.2441	.0312	93.71	.4887	.3962	.8669	.7257
#1	.2217	3.868	-.0003	.1350	11.39	-.0693	.1426
#2	.2224	3.867	-.0016	.1341	11.33	-.0701	.1441

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85384.**	**15901.**	**1973.4**	**6066.4**
Stddev	10.	35.	4.9	1.5
%RSD	.01225	.22152	.24599	.02539
#1	85377.	15926.	1976.9	6067.5
#2	85391.	15876.	1970.0	6065.3

Zoom In Zoom Out

Sample Name: jb69675-12 Acquired: 6/26/2014 2:44:40 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.168**	**.0134**	**.0114**	**.1646**	**.8696**	**.7345**	**3.759**	**.3567**	**.0092**
Stddev	.014	.0001	.0001	.0004	.0027	.0010	.000	.0003	.0007
%RSD	.6248	.5494	.4571	.2358	.3144	.1403	.0061	.0848	7.280
#1	2.177	.0135	.0115	.1643	.8677	.7338	3.758	.3565	.0096
#2	2.158	.0134	.0114	.1649	.8715	.7352	3.759	.3569	.0087

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3986**	**3.688**	**.3675**	**-.0143**	**1.667**	**.0060**	**.0075**	**191.5**	**33.99**
Stddev	.0007	.011	.0019	.0015	.006	.0000	.0002	1.8	.42
%RSD	.1879	.2924	.5254	10.69	.3603	.2722	2.914	.9251	1.226
#1	.3980	3.680	.3661	-.0132	1.663	.0060	.0074	192.8	34.28
#2	.3991	3.695	.3688	-.0153	1.671	.0060	.0077	190.3	33.69

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**298.4**	**46.06**	**19.61**	**1.506**	**.0767**	**.0127**	**-.0459**	**6.340**	**.1832**
Stddev	3.2	.52	.12	.001	.0006	.0004	.0001	.010	.0003
%RSD	1.057	1.135	.6366	.0500	.7783	3.498	.2942	.1574	.1669
#1	300.6	46.43	19.69	1.507	.0771	.0130	-.0460	6.347	.1834
#2	296.2	45.69	19.52	1.506	.0763	.0124	-.0458	6.332	.1830

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2866**	**5.543**	**.0137**	**.1457**	**11.39**	**-.0821**	**.3065**
Stddev	.0022	.004	.0010	.0006	.01	.0011	.0013
%RSD	.7696	.0768	7.624	.3908	.0576	1.352	.4384
#1	.2881	5.540	.0145	.1461	11.39	-.0813	.3075
#2	.2850	5.546	.0130	.1453	11.38	-.0829	.3056

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88811.**	**16455.**	**2028.4**	**6055.9**
Stddev	36.	209.	5.5	9.4
%RSD	.04009	1.2717	.26990	.15502
#1	88786.	16307.	2032.3	6062.6
#2	88837.	16603.	2024.6	6049.3

Zoom In Zoom Out

Sample Name: jb70028-1 Acquired: 6/26/2014 2:50:51 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.585**	**.0160**	**.0065**	**.0888**	**.6826**	**.4515**	**2.264**	**.5956**	**.0056**
Stddev	.002	.0001	.0001	.0007	.0027	.0001	.005	.0046	.0001
%RSD	.1100	.3850	1.548	.7499	.3969	.0295	.2112	.7779	1.688
#1	1.586	.0160	.0064	.0893	.6846	.4514	2.267	.5989	.0057
#2	1.584	.0159	.0066	.0883	.6807	.4516	2.261	.5923	.0056

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4010**	**1.847**	**.1983**	**-.0048**	**2.825**	**.0086**	**.0063**	**116.7**	**79.75**
Stddev	.0003	.018	.0024	.0022	.027	.0024	.0041	.1	.21
%RSD	.0698	.9707	1.224	46.32	.9651	28.40	64.95	.0913	.2593
#1	.4008	1.860	.2000	-.0064	2.844	.0103	.0092	116.7	79.90
#2	.4012	1.835	.1965	-.0032	2.806	.0068	.0034	116.6	79.61

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**231.3**	**70.00**	**24.79**	**4.625**	**.1149**	**.0121**	**-.0358**	**12.57**	**.2566**
Stddev	.7	.27	.05	.001	.0000	.0004	.0008	.13	.0017
%RSD	.2900	.3878	.2209	.0239	.0303	3.160	2.158	1.020	.6793
#1	231.8	70.20	24.82	4.624	.1149	.0124	-.0352	12.66	.2578
#2	230.9	69.81	24.75	4.626	.1149	.0119	-.0363	12.48	.2553

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6501**	**5.218**	**.0063**	**.0850**	**8.919**	**-.0858**	**.1639**
Stddev	.0014	.004	.0016	.0001	.118	.0009	.0005
%RSD	.2161	.0737	25.56	.1434	1.327	1.043	.3222
#1	.6511	5.221	.0075	.0851	9.003	-.0864	.1642
#2	.6491	5.216	.0052	.0849	8.836	-.0852	.1635

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83175.**	**15610.**	**1912.1**	**5898.8**
Stddev	115.	33.	16.2	49.2
%RSD	.13835	.21205	.84965	.83487
#1	83256.	15587.	1900.6	5864.0
#2	83093.	15633.	1923.6	5933.6

Zoom In Zoom Out

Sample Name: jb70069-1a Acquired: 6/26/2014 2:56:59 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3969**	**.0040**	**.0013**	**.0527**	**.0942**	**.1404**	**4.673**	**.2115**	**.0023**
Stddev	.0017	.0001	.0001	.0001	.0002	.0004	.020	.0011	.0004
%RSD	.4189	2.126	7.315	.2488	.2269	.3012	.4335	.5307	16.24
#1	.3981	.0040	.0013	.0526	.0940	.1407	4.659	.2107	.0025
#2	.3957	.0039	.0014	.0528	.0943	.1401	4.688	.2123	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1750**	**.3776**	**.0267**	**-.0044**	**.0853**	**-.0024**	**.0006**	**100.4**	**60.99**
Stddev	.0000	.0016	.0001	.0007	.0007	.0003	.0030	.4	.00
%RSD	.0193	.4202	.5247	15.80	.7906	11.21	493.5	.4428	.0021
#1	.1749	.3765	.0266	-.0049	.0848	-.0022	.0027	100.7	60.99
#2	.1750	.3787	.0268	-.0039	.0858	-.0026	-.0015	100.1	60.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**127.0**	**31.51**	**6.020**	**1.347**	**.0206**	**.0072**	**-.0205**	**10.38**	**.0382**
Stddev	.4	.06	.028	.001	.0003	.0003	.0004	.04	.0003
%RSD	.3017	.1899	.4584	.0955	1.521	4.568	1.774	.3793	.8613
#1	127.3	31.47	6.040	1.346	.0208	.0069	-.0203	10.41	.0384
#2	126.7	31.55	6.001	1.348	.0204	.0074	-.0208	10.36	.0380

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3092**	**2.984**	**-.0097**	**.0435**	**.9742**	**-.0508**	**.1223**
Stddev	.0012	.003	.0006	.0005	.0045	.0008	.0003
%RSD	.3970	.0955	6.136	1.135	.4625	1.484	.2851
#1	.3101	2.982	-.0092	.0432	.9773	-.0513	.1225
#2	.3083	2.986	-.0101	.0439	.9710	-.0502	.1220

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85165.**	**15779.**	**1968.0**	**6030.1**
Stddev	69.	21.	5.3	4.4
%RSD	.08089	.13038	.27063	.07378
#1	85116.	15765.	1964.2	6027.0
#2	85213.	15794.	1971.8	6033.3

Zoom In Zoom Out

Sample Name: mp80276-mb1 2 Acquired: 6/26/2014 3:03:13 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**.0000**	**.0000**	**-.0002**	**.0005**	**.0000**	**.0056**	**.0000**	**-.0009**
Stddev	.0000	.0000	.0000	.0000	.0001	.0001	.0000	.000	.0001
%RSD	.7989	40.11	158.5	1.602	20.63	331.8	.1093	2037.	16.27
#1	.0010	.0000	.0000	-.0002	.0004	-.0001	.0056	-.0003	-.0008
#2	.0010	.0000	.0001	-.0002	.0006	.0001	.0056	.0003	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0037**	**-.0012**	**-.0006**	**.0007**	**.0004**	**.0004**	**.0156**	**.1006**
Stddev	.0000	.0002	.0001	.0015	.0002	.0001	.0005	.0063	.0032
%RSD	4.239	5.911	7.672	258.4	29.34	13.72	116.8	40.66	3.222
#1	.0003	.0035	-.0011	-.0016	.0006	.0004	.0008	.0111	.1029
#2	.0003	.0038	-.0013	.0005	.0008	.0004	.0001	.0201	.0983

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0711**	**.0447**	**.0042**	**.0066**	**.0007**	**-.0013**	**-.0005**	**.0395**	**.0186**
Stddev	.0005	.0096	.0031	.0006	.0004	.0001	.0002	.0048	.0001
%RSD	.7357	21.40	74.50	8.892	52.93	6.302	45.04	12.08	.6066
#1	.0708	.0379	.0064	.0070	.0009	-.0012	-.0003	.0361	.0187
#2	.0715	.0514	.0020	.0062	.0004	-.0013	-.0006	.0428	.0185

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0011**	**-.0154**	**.0000**	**.0073**	**-.0016**	**-.0001**
Stddev	.0000	.0004	.0005	.0001	.0005	.0003	.0003
%RSD	.8580	39.79	3.259	985.7	7.347	16.78	229.5
#1	.0002	.0008	-.0150	.0001	.0076	-.0017	-.0003
#2	.0002	.0014	-.0157	-.0001	.0069	-.0014	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88485.**	**15628.**	**1979.4**	**6582.3**
Stddev	196.	19.	.3	1.3
%RSD	.22169	.11948	.01272	.01939
#1	88346.	15615.	1979.2	6583.2
#2	88624.	15642.	1979.6	6581.4

Zoom In Zoom Out

Sample Name: mp80276-b1 Acquired: 6/26/2014 3:09:30 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.034**	**.1029**	**.0903**	**.9546**	**.3815**	**.4585**	**1.021**	**1.023**	**.0961**
Stddev	.004	.0001	.0002	.0000	.0003	.0013	.001	.001	.0004
%RSD	.1119	.1020	.1671	.0005	.0840	.2761	.0765	.0861	.4127
#1	4.031	.1029	.0904	.9546	.3812	.4594	1.021	1.022	.0958
#2	4.037	.1028	.0902	.9546	.3817	.4576	1.022	1.023	.0963

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9367**	**1.036**	**4.122**	**4.122**	**1.012**	**3.965**	**1.023**	**53.68**	**12.28**
Stddev	.0012	.002	.005	.007	.002	.005	.001	.04	.03
%RSD	.1296	.1795	.1194	.1703	.2366	.1204	.0650	.0680	.2699
#1	.9376	1.034	4.118	4.127	1.010	3.962	1.023	53.66	12.30
#2	.9359	1.037	4.125	4.117	1.013	3.969	1.024	53.71	12.25

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**52.93**	**12.65**	**12.75**	**13.61**	**-.0034**	**.0012**	**-.0191**	**.1173**	**.0259**
Stddev	.03	.02	.03	.02	.0006	.0001	.0002	.0016	.0002
%RSD	.0514	.1300	.2568	.1365	17.35	9.494	.8688	1.401	.7231
#1	52.95	12.66	12.77	13.60	-.0038	.0011	-.0192	.1161	.0257
#2	52.91	12.64	12.73	13.63	-.0030	.0013	-.0190	.1184	.0260

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0003**	**.0045**	**-.0101**	**.0075**	**.0086**	**.0009**	**-.0002**
Stddev	.0001	.0004	.0001	.0001	.0024	.0010	.0011
%RSD	29.36	9.259	1.298	1.882	27.35	114.6	679.0
#1	.0002	.0048	-.0102	.0076	.0069	.0016	-.0010
#2	.0003	.0042	-.0100	.0074	.0103	.0002	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84642.**	**15285.**	**1917.4**	**6147.4**
Stddev	37.	32.	.5	1.7
%RSD	.04316	.21114	.02571	.02794
#1	84616.	15262.	1917.7	6146.1
#2	84668.	15308.	1917.0	6148.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 3:15:37 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**1.983**	**1.923**	**1.933**	**1.897**	**1.847**	**2.007**	**2.047**	**.2401**
Stddev	.004	.001	.006	.001	.005	.007	.005	.006	.0002
%RSD	.1808	.0558	.3081	.0731	.2633	.3990	.2364	.2929	.0836
#1	2.000	1.982	1.919	1.934	1.893	1.852	2.004	2.052	.2399
#2	1.995	1.983	1.927	1.932	1.900	1.842	2.011	2.043	.2402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.858**	**2.035**	**2.007**	**2.011**	**1.992**	**1.982**	**2.007**	**39.88**	**39.11**
Stddev	.002	.006	.007	.000	.003	.004	.004	.06	.01
%RSD	.1109	.3049	.3540	.0110	.1268	.2251	.2252	.1624	.0178
#1	1.856	2.039	2.002	2.011	1.994	1.979	2.004	39.92	39.11
#2	1.859	2.030	2.012	2.010	1.991	1.985	2.010	39.83	39.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.40**	**39.19**	**39.09**	**42.15**	**1.985**	**1.976**	**1.873**	**5.168**	**2.006**
Stddev	.04	.12	.02	.08	.011	.007	.006	.013	.001
%RSD	.0882	.3184	.0599	.1910	.5583	.3587	.3028	.2574	.0381
#1	40.42	39.28	39.11	42.20	1.977	1.971	1.877	5.158	2.006
#2	40.37	39.10	39.08	42.09	1.992	1.981	1.869	5.177	2.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 3:15:37 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**1.900**	**1.845**	**1.901**	**1.957**	**2.006**	**2.023**
Stddev	.004	.001	.013	.003	.002	.008	.008
%RSD	.2058	.0380	.7050	.1609	.0912	.4103	.3966
#1	2.018	1.900	1.836	1.904	1.956	2.000	2.029
#2	2.012	1.901	1.854	1.899	1.958	2.012	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**83116.**	**15223.**	**1898.7**	**5950.7**
Stddev	63.	14.	11.3	19.8
%RSD	.07600	.09124	.59447	.33323
#1	83072.	15233.	1906.7	5964.7
#2	83161.	15213.	1890.7	5936.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 3:21:40 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0005**	**.0002**	**.0003**	**.0003**	**-.0002**	**.0007**	**.0001**	**-.0006**
Stddev	.0000	.0000	.0002	.0001	.0001	.0000	.0001	.0000	.0001
%RSD	1.744	.9164	105.2	24.84	19.59	2.078	10.26	73.07	17.52
#1	.0008	.0005	.0003	.0002	.0004	-.0002	.0007	.0000	-.0007
#2	.0008	.0005	.0000	.0003	.0003	-.0002	.0006	.0001	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0004**	**.0005**	**.0016**	**.0006**	**.0005**	**.0022**	**.0117**	**.0085**
Stddev	.0000	.0000	.0010	.0009	.0008	.0011	.0014	.0003	.0009
%RSD	4.259	8.102	220.8	53.96	121.1	231.2	61.34	2.361	10.99
#1	.0006	.0004	-.0003	.0022	.0012	.0012	.0013	.0119	.0092
#2	.0006	.0004	.0012	.0010	.0001	-.0003	.0032	.0115	.0079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0159**	**.0244**	**.0021**	**.0028**	**.0014**	**.0010**	**.0005**	**.0057**	**.0001**
Stddev	.0005	.0166	.0173	.0049	.0001	.0002	.0006	.0005	.0001
%RSD	3.385	67.95	838.7	175.2	6.804	22.53	110.0	8.420	117.6
#1	.0162	.0361	-.0102	.0063	.0014	.0011	.0001	.0053	.0000
#2	.0155	.0127	.0143	-.0007	.0015	.0008	.0010	.0060	.0002
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 3:21:40 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0005**	**-.0059**	**.0004**	**.0002**	**-.0007**	**.0010**
Stddev	.0000	.0002	.0012	.0002	.0013	.0002	.0003
%RSD	4.863	47.74	20.03	49.35	574.8	29.81	30.54
#1	.0005	.0003	-.0051	.0002	.0011	-.0009	.0008
#2	.0005	.0006	-.0067	.0005	-.0007	-.0006	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87725.**	**15419.**	**1983.1**	**6582.0**
Stddev	361.	26.	7.1	10.4
%RSD	.41155	.17034	.35931	.15790
#1	87469.	15400.	1988.1	6589.3
#2	87980.	15437.	1978.0	6574.6

Zoom In Zoom Out

Sample Name: mp80276-s1 Acquired: 6/26/2014 3:27:59 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.255**	**.1244**	**.0920**	**.8179**	**3.673**	**.4540**	**1.406**	**.9523**	**.1060**
Stddev	.004	.0001	.0003	.0001	.002	.0027	.000	.0012	.0003
%RSD	.0956	.0779	.3031	.0089	.0580	.5871	.0034	.1279	.2807
#1	4.252	.1244	.0918	.8180	3.675	.4521	1.406	.9532	.1058
#2	4.258	.1245	.0922	.8178	3.672	.4559	1.405	.9515	.1063

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.988**	**2.011**	**3.989**	**3.064**	**.9187**	**3.479**	**.6208**	**175.4**	**48.25**
Stddev	.009	.004	.005	.006	.0025	.005	.0010	.1	.07
%RSD	.4633	.2223	.1286	.1913	.2682	.1501	.1581	.0411	.1539
#1	1.981	2.014	3.985	3.069	.9204	3.475	.6201	175.4	48.30
#2	1.994	2.008	3.993	3.060	.9169	3.483	.6215	175.5	48.20

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**885.7**	**54.56**	**153.2**	**13.42**	**.7867**	**.0056**	**-.1706**	**7.713**	**.0401**
Stddev	2.2	.08	.3	.01	.0005	.0004	.0012	.058	.0011
%RSD	.2449	.1478	.2142	.0718	.0656	6.920	.7272	.7527	2.676
#1	884.1	54.62	153.4	13.43	.7863	.0059	-.1698	7.672	.0393
#2	887.2	54.51	152.9	13.41	.7871	.0053	-.1715	7.754	.0408

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1781**	**4.177**	**.0433**	**.1106**	**2.707**	**-.0034**	**.0675**
Stddev	.0001	.011	.0004	.0004	.007	.0005	.0006
%RSD	.0467	.2601	.9480	.3828	.2429	14.89	.9499
#1	.1782	4.169	.0436	.1103	2.711	-.0038	.0679
#2	.1781	4.184	.0431	.1109	2.702	-.0031	.0670

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83487.**	**15806.**	**1864.4**	**6328.1**
Stddev	218.	59.	1.4	2.1
%RSD	.26116	.37365	.07677	.03282
#1	83641.	15764.	1865.4	6329.5
#2	83333.	15847.	1863.3	6326.6

Zoom In Zoom Out

Sample Name: mp80276-s2 Acquired: 6/26/2014 3:34:05 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.163**	**.1212**	**.0897**	**.7647**	**3.804**	**.4318**	**1.319**	**.8965**	**.1036**
Stddev	.008	.0004	.0006	.0020	.005	.0028	.001	.0018	.0001
%RSD	.1850	.3607	.6817	.2568	.1323	.6451	.0795	.1974	.0615
#1	4.158	.1215	.0901	.7633	3.801	.4338	1.319	.8953	.1035
#2	4.169	.1209	.0892	.7661	3.808	.4298	1.320	.8978	.1036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.038**	**2.055**	**3.879**	**2.934**	**.8828**	**3.344**	**.5988**	**175.2**	**49.80**
Stddev	.002	.003	.005	.014	.0024	.011	.0039	.1	.26
%RSD	.0858	.1646	.1282	.4829	.2759	.3157	.6560	.0671	.5165
#1	2.037	2.053	3.883	2.924	.8811	3.351	.6016	175.1	49.98
#2	2.039	2.058	3.875	2.944	.8845	3.336	.5960	175.3	49.62

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**920.1**	**54.37**	**154.2**	**12.99**	**.7907**	**.0052**	**-.1790**	**7.296**	**.0396**
Stddev	6.8	.19	.0	.03	.0009	.0002	.0001	.028	.0005
%RSD	.7365	.3500	.0111	.2266	.1156	4.482	.0716	.3799	1.353
#1	924.8	54.51	154.2	13.01	.7914	.0051	-.1789	7.277	.0400
#2	915.3	54.24	154.3	12.97	.7901	.0054	-.1791	7.316	.0392

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1934**	**4.442**	**.0417**	**.1130**	**4.340**	**-.0082**	**.0699**
Stddev	.0002	.002	.0007	.0007	.002	.0004	.0005
%RSD	.0984	.0549	1.674	.6268	.0399	4.838	.7179
#1	.1933	4.441	.0412	.1135	4.341	-.0085	.0696
#2	.1936	4.444	.0422	.1125	4.339	-.0080	.0703

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83940.**	**15855.**	**1861.2**	**6372.1**
Stddev	46.	85.	4.4	5.1
%RSD	.05425	.53542	.23498	.08009
#1	83908.	15795.	1858.1	6368.4
#2	83972.	15915.	1864.3	6375.7

Zoom In Zoom Out

Sample Name: jb69784-1 Acquired: 6/26/2014 3:40:12 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4639**	**.0283**	**.0037**	**.0297**	**3.044**	**.0147**	**.4473**	**.1160**	**.0123**
Stddev	.0010	.0001	.0001	.0002	.007	.0001	.0009	.0010	.0001
%RSD	.2174	.1999	2.933	.6122	.2418	.7120	.2093	.8809	.8771
#1	.4632	.0283	.0037	.0296	3.038	.0146	.4466	.1153	.0124
#2	.4647	.0283	.0038	.0299	3.049	.0147	.4479	.1167	.0122

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.077**	**1.039**	**.1906**	**-.0348**	**.1175**	**-.0154**	**.0123**	**103.2**	**39.21**
Stddev	.002	.028	.0006	.0012	.0008	.0021	.0015	.2	.06
%RSD	.1400	2.734	.3101	3.382	.7232	13.73	12.46	.1848	.1428
#1	1.076	1.019	.1910	-.0356	.1169	-.0139	.0112	103.0	39.25
#2	1.078	1.059	.1902	-.0340	.1181	-.0169	.0134	103.3	39.17

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**750.5**	**34.53**	**113.6**	**.8088**	**.6286**	**.0018**	**-.1227**	**5.571**	**.0381**
Stddev	4.0	.02	.2	.0013	.0011	.0003	.0017	.005	.0004
%RSD	.5380	.0525	.1926	.1585	.1826	15.90	1.388	.0858	.9895
#1	747.6	34.54	113.5	.8079	.6294	.0016	-.1239	5.574	.0378
#2	753.3	34.51	113.8	.8097	.6278	.0020	-.1215	5.568	.0384

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2075**	**3.474**	**.0264**	**.0899**	**3.048**	**-.0032**	**.0531**
Stddev	.0007	.005	.0003	.0002	.006	.0009	.0006
%RSD	.3592	.1567	1.211	.1843	.2003	27.02	1.096
#1	.2070	3.470	.0262	.0897	3.052	-.0026	.0527
#2	.2080	3.477	.0267	.0900	3.044	-.0038	.0535

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85339.**	**16017.**	**1927.3**	**6421.7**
Stddev	52.	11.	4.7	10.7
%RSD	.06135	.06808	.24394	.16726
#1	85376.	16024.	1924.0	6414.1
#2	85302.	16009.	1930.7	6429.3

Zoom In Zoom Out

Sample Name: mp80276-sd1 Acquired: 6/26/2014 3:46:20 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4824**	**.0300**	**.0003**	**.0339**	**3.269**	**.0250**	**.4889**	**.1346**	**.0170**
Stddev	.0007	.0003	.0004	.0009	.022	.0002	.0052	.0001	.0001
%RSD	.1535	1.042	140.8	2.793	.6831	.8292	1.069	.0383	.7732
#1	.4829	.0302	.0000	.0346	3.285	.0248	.4926	.1346	.0171
#2	.4819	.0297	.0006	.0333	3.253	.0251	.4852	.1345	.0169

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.151**	**1.115**	**.1970**	**-.0281**	**.1352**	**.0039**	**.0197**	**105.9**	**42.08**
Stddev	.008	.001	.0010	.0057	.0020	.0064	.0010	.2	.17
%RSD	.6982	.0816	.4874	20.13	1.443	164.0	5.068	.2321	.4112
#1	1.157	1.116	.1977	-.0321	.1339	-.0006	.0190	106.1	42.20
#2	1.145	1.114	.1963	-.0241	.1366	.0084	.0204	105.8	41.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**927.7**	**36.65**	**118.6**	**.8421**	**.6710**	**-.0022**	**-.1187**	**4.971**	**.0408**
Stddev	3.1	.16	.2	.0202	.0047	.0003	.0017	.009	.0002
%RSD	.3353	.4331	.1876	2.398	.6986	11.75	1.437	.1708	.5176
#1	929.9	36.77	118.8	.8278	.6677	-.0024	-.1174	4.977	.0407
#2	925.5	36.54	118.4	.8564	.6743	-.0021	-.1199	4.965	.0410

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2172**	**3.697**	**-.0334**	**.1004**	**3.183**	**-.0122**	**.0591**
Stddev	.0011	.025	.0001	.0005	.017	.0027	.0038
%RSD	.5222	.6710	.4249	.5293	.5481	21.84	6.459
#1	.2180	3.715	-.0333	.1008	3.171	-.0141	.0564
#2	.2164	3.680	-.0335	.1000	3.195	-.0103	.0618

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86306.**	**15498.**	**1970.4**	**6393.6**
Stddev	278.	62.	10.8	18.0
%RSD	.32158	.40222	.54592	.28125
#1	86110.	15454.	1978.0	6406.3
#2	86502.	15543.	1962.8	6380.9

Zoom In Zoom Out

Sample Name: jb69716-1 Acquired: 6/26/2014 3:52:30 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3400**	**.0088**	**.0024**	**.0914**	**.2788**	**.1363**	**3.405**	**.2706**	**.0070**
Stddev	.0006	.0000	.0003	.0003	.0014	.0006	.017	.0004	.0004
%RSD	.1777	.2313	11.78	.3283	.5003	.4500	.4969	.1560	5.023
#1	.3404	.0088	.0026	.0911	.2798	.1359	3.417	.2703	.0068
#2	.3395	.0088	.0022	.0916	.2778	.1367	3.393	.2709	.0073

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3051**	**.7434**	**.1057**	**-.0148**	**.1667**	**-.0004**	**.0021**	**152.5**	**22.72**
Stddev	.0003	.0003	.0001	.0004	.0008	.0039	.0019	.4	.02
%RSD	.0998	.0451	.1214	2.511	.4956	878.6	93.58	.2940	.0839
#1	.3054	.7431	.1056	-.0150	.1673	-.0032	.0034	152.8	22.70
#2	.3049	.7436	.1058	-.0145	.1661	.0023	.0007	152.2	22.73

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**321.5**	**65.80**	**29.73**	**10.68**	**.1510**	**.0142**	**-.0467**	**7.040**	**.0330**
Stddev	.8	.11	.04	.04	.0010	.0001	.0006	.119	.0010
%RSD	.2559	.1685	.1246	.3993	.6505	.7577	1.270	1.693	2.895
#1	320.9	65.88	29.76	10.71	.1517	.0143	-.0471	7.124	.0337
#2	322.1	65.72	29.70	10.65	.1503	.0141	-.0463	6.956	.0323

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2427**	**2.934**	**.0025**	**.1436**	**170.8**	**-.0387**	**.3283**
Stddev	.0005	.003	.0003	.0001	.1	.0012	.0021
%RSD	.2048	.1031	11.23	.0510	.0515	3.226	.6247
#1	.2431	2.936	.0027	.1436	170.7	-.0378	.3297
#2	.2424	2.932	.0023	.1435	170.8	-.0396	.3268

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86930.**	**15968.**	**1973.5**	**6105.1**
Stddev	135.	24.	.4	4.1
%RSD	.15575	.14819	.02105	.06673
#1	86834.	15985.	1973.8	6108.0
#2	87025.	15951.	1973.2	6102.2

Zoom In Zoom Out

Sample Name: jb69778-1 Acquired: 6/26/2014 3:58:40 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1718**	**.0024**	**.0009**	**.0574**	**.0738**	**.2927**	**1.133**	**.0797**	**.0033**
Stddev	.0006	.0000	.0001	.0000	.0001	.0006	.006	.0008	.0004
%RSD	.3240	.8327	10.05	.0692	.0980	.2061	.5000	.9829	12.53
#1	.1714	.0024	.0010	.0574	.0738	.2923	1.137	.0791	.0030
#2	.1722	.0024	.0009	.0574	.0739	.2932	1.129	.0803	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2527**	**.4091**	**.0267**	**-.0035**	**.0634**	**-.0012**	**-.0027**	**67.21**	**163.5**
Stddev	.0011	.0002	.0001	.0001	.0002	.0028	.0005	.04	.3
%RSD	.4359	.0399	.5027	3.489	.3766	230.9	18.78	.0521	.1684
#1	.2534	.4090	.0266	-.0036	.0636	.0008	-.0023	67.18	163.3
#2	.2519	.4092	.0268	-.0034	.0632	-.0032	-.0031	67.23	163.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**149.1**	**93.56**	**5.241**	**5.621**	**.2893**	**.0043**	**-.0257**	**7.551**	**.0319**
Stddev	.2	.00	.012	.001	.0011	.0002	.0005	.141	.0015
%RSD	.1198	.0040	.2329	.0158	.3638	4.166	1.816	1.871	4.788
#1	149.0	93.56	5.232	5.620	.2885	.0041	-.0254	7.451	.0308
#2	149.2	93.55	5.250	5.622	.2900	.0044	-.0260	7.651	.0330

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1744**	**3.312**	**-.0082**	**.0586**	**2.093**	**-.0543**	**.1012**
Stddev	.0003	.017	.0002	.0003	.003	.0013	.0002
%RSD	.1722	.5174	2.385	.5555	.1439	2.421	.2317
#1	.1746	3.324	-.0083	.0588	2.095	-.0533	.1014
#2	.1742	3.300	-.0080	.0584	2.090	-.0552	.1011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82478.**	**15476.**	**1856.4**	**5767.6**
Stddev	157.	44.	13.2	23.3
%RSD	.18994	.28641	.71230	.40457
#1	82367.	15507.	1865.7	5784.1
#2	82589.	15445.	1847.0	5751.1

Zoom In Zoom Out

Sample Name: jb69784-2 Acquired: 6/26/2014 4:04:48 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4716**	**.0313**	**.0061**	**.0296**	**3.237**	**.0144**	**.5482**	**.1116**	**.0134**
Stddev	.0015	.0002	.0003	.0001	.004	.0002	.0019	.0004	.0002
%RSD	.3082	.5122	5.504	.2292	.1239	1.216	.3456	.3996	1.281
#1	.4705	.0312	.0059	.0297	3.234	.0143	.5469	.1113	.0132
#2	.4726	.0315	.0064	.0296	3.239	.0145	.5495	.1119	.0135

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.156**	**1.140**	**.2067**	**-.0440**	**.1419**	**-.0280**	**.0139**	**113.3**	**39.47**
Stddev	.004	.002	.0004	.0006	.0000	.0058	.0007	.3	.12
%RSD	.3703	.1576	.1952	1.377	.0310	20.57	4.752	.2707	.3084
#1	1.153	1.138	.2064	-.0436	.1419	-.0321	.0143	113.1	39.38
#2	1.159	1.141	.2070	-.0444	.1419	-.0239	.0134	113.5	39.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**858.8**	**37.33**	**125.5**	**.7612**	**.6894**	**.0018**	**-.1514**	**7.631**	**.0379**
Stddev	6.7	.18	.5	.0040	.0027	.0003	.0003	.055	.0001
%RSD	.7744	.4711	.4256	.5277	.3877	15.07	.1719	.7211	.2698
#1	854.1	37.20	125.2	.7583	.6875	.0017	-.1512	7.592	.0378
#2	863.5	37.45	125.9	.7640	.6913	.0020	-.1516	7.670	.0379

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1729**	**3.612**	**.0321**	**.0975**	**3.171**	**.0089**	**.0580**
Stddev	.0007	.008	.0021	.0002	.021	.0005	.0011
%RSD	.4201	.2308	6.483	.1720	.6516	5.370	1.828
#1	.1724	3.606	.0306	.0973	3.156	.0093	.0587
#2	.1734	3.618	.0336	.0976	3.186	.0086	.0572

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83704.**	**15914.**	**1881.4**	**6398.5**
Stddev	78.	68.	6.9	20.7
%RSD	.09362	.42750	.36860	.32289
#1	83759.	15962.	1886.3	6413.1
#2	83648.	15866.	1876.5	6383.9

Zoom In Zoom Out

Sample Name: jb69784-3 Acquired: 6/26/2014 4:10:56 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7483**	**.0309**	**.0047**	**.0300**	**2.507**	**.0191**	**.2684**	**.1275**	**.0122**
Stddev	.0012	.0001	.0001	.0002	.005	.0002	.0003	.0002	.0004
%RSD	.1537	.2619	1.836	.7586	.1891	.8510	.0982	.1953	3.564
#1	.7475	.0309	.0048	.0299	2.511	.0190	.2686	.1277	.0125
#2	.7491	.0308	.0047	.0302	2.504	.0192	.2682	.1273	.0119

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9123**	**1.003**	**.3582**	**-.0354**	**.1307**	**-.0095**	**.0120**	**105.7**	**17.89**
Stddev	.0007	.001	.0016	.0035	.0001	.0020	.0011	.2	.06
%RSD	.0790	.1148	.4601	9.972	.1061	20.62	9.249	.1636	.3419
#1	.9129	1.002	.3570	-.0329	.1306	-.0108	.0112	105.5	17.93
#2	.9118	1.003	.3594	-.0379	.1308	-.0081	.0128	105.8	17.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**736.3**	**29.12**	**100.1**	**.3386**	**.5673**	**.0052**	**-.1215**	**6.249**	**.0361**
Stddev	.6	.15	.1	.0097	.0028	.0001	.0018	.028	.0003
%RSD	.0785	.5249	.0587	2.870	.4858	1.076	1.495	.4438	.9650
#1	736.8	29.23	100.1	.3317	.5653	.0052	-.1202	6.229	.0358
#2	735.9	29.01	100.2	.3455	.5692	.0051	-.1228	6.268	.0363

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1389**	**2.473**	**.0234**	**.0862**	**9.334**	**.0158**	**.0463**
Stddev	.0000	.000	.0013	.0000	.097	.0010	.0008
%RSD	.0193	.0029	5.727	.0389	1.043	6.077	1.698
#1	.1389	2.473	.0244	.0861	9.265	.0152	.0469
#2	.1389	2.473	.0225	.0862	9.403	.0165	.0458

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**85442.**	**16153.**	**1951.1**	**6443.2**
Stddev	4.	27.	5.3	12.6
%RSD	.00447	.16745	.27406	.19517
#1	85444.	16134.	1954.9	6452.1
#2	85439.	16173.	1947.3	6434.3

Zoom In Zoom Out

Sample Name: jb69784-4 Acquired: 6/26/2014 4:17:06 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3436**	**.0199**	**.0031**	**.0189**	**1.704**	**.0351**	**.1931**	**.0761**	**.0111**
Stddev	.0005	.0001	.0002	.0001	.001	.0000	.0005	.0004	.0000
%RSD	.1399	.3181	6.844	.6568	.0717	.0375	.2712	.4911	.3374
#1	.3432	.0199	.0029	.0188	1.704	.0351	.1935	.0758	.0111
#2	.3439	.0199	.0032	.0189	1.703	.0350	.1928	.0763	.0110

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6431**	**.5965**	**.3812**	**-.0244**	**.1045**	**-.0036**	**.0116**	**87.55**	**11.30**
Stddev	.0005	.0019	.0006	.0002	.0001	.0013	.0002	.12	.01
%RSD	.0835	.3184	.1481	.8976	.1170	35.99	2.084	.1338	.0559
#1	.6427	.5951	.3808	-.0246	.1044	-.0026	.0118	87.47	11.31
#2	.6435	.5978	.3816	-.0243	.1046	-.0045	.0115	87.64	11.30

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**601.9**	**22.63**	**73.44**	**.2501**	**.4919**	**.0049**	**-.0939**	**7.174**	**.0334**
Stddev	2.2	.03	.08	.0099	.0021	.0005	.0009	.021	.0005
%RSD	.3688	.1216	.1114	3.967	.4310	9.404	.9719	.2851	1.465
#1	603.5	22.65	73.38	.2571	.4904	.0053	-.0932	7.160	.0337
#2	600.3	22.61	73.49	.2431	.4934	.0046	-.0945	7.189	.0330

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0600**	**1.383**	**.0155**	**.0697**	**16.77**	**.0221**	**.0423**
Stddev	.0001	.002	.0008	.0001	.04	.0019	.0000
%RSD	.1922	.1317	5.268	.1700	.2381	8.767	.0366
#1	.0599	1.382	.0161	.0698	16.74	.0207	.0423
#2	.0601	1.384	.0149	.0696	16.80	.0235	.0423

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83898.**	**15760.**	**1923.1**	**6356.2**
Stddev	11.	20.	4.3	3.9
%RSD	.01347	.12949	.22325	.06192
#1	83906.	15745.	1926.1	6359.0
#2	83890.	15774.	1920.1	6353.4

Zoom In Zoom Out

Sample Name: jb69926-18 Acquired: 6/26/2014 4:23:16 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2420**	**.0063**	**.0014**	**.0643**	**.1909**	**.1079**	**2.556**	**.1955**	**.0042**
Stddev	.0004	.0000	.0001	.0003	.0001	.0000	.004	.0001	.0000
%RSD	.1627	.3706	4.979	.4742	.0438	.0162	.1365	.0696	.7968
#1	.2423	.0063	.0015	.0641	.1910	.1079	2.554	.1956	.0042
#2	.2417	.0063	.0014	.0645	.1909	.1079	2.559	.1954	.0042

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2152**	**.5268**	**.0640**	**-.0084**	**.1952**	**.0004**	**.0011**	**106.6**	**14.42**
Stddev	.0006	.0011	.0000	.0022	.0005	.0005	.0013	.2	.04
%RSD	.2561	.2110	.0668	26.83	.2748	140.2	123.8	.1900	.2690
#1	.2148	.5276	.0641	-.0099	.1948	.0008	.0001	106.7	14.39
#2	.2156	.5261	.0640	-.0068	.1955	.0000	.0020	106.4	14.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**210.3**	**43.49**	**21.81**	**8.822**	**.1250**	**.0113**	**-.0292**	**6.150**	**.0346**
Stddev	.5	.38	.01	.015	.0006	.0002	.0007	.053	.0002
%RSD	.2154	.8671	.0405	.1700	.4768	1.611	2.478	.8649	.4486
#1	210.0	43.22	21.82	8.833	.1255	.0111	-.0287	6.188	.0345
#2	210.7	43.76	21.81	8.811	.1246	.0114	-.0297	6.113	.0347

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1632**	**2.281**	**-.0044**	**.0902**	**108.9**	**-.0335**	**.2319**
Stddev	.0001	.001	.0005	.0003	.3	.0004	.0004
%RSD	.0774	.0344	12.08	.2940	.2893	1.220	.1820
#1	.1631	2.281	-.0040	.0900	109.1	-.0332	.2322
#2	.1632	2.282	-.0048	.0903	108.6	-.0338	.2316

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86719.**	**15941.**	**1989.0**	**6162.6**
Stddev	116.	28.	4.8	13.2
%RSD	.13403	.17853	.23900	.21339
#1	86801.	15961.	1992.4	6171.9
#2	86637.	15921.	1985.7	6153.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 4:29:26 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**1.994**	**1.947**	**1.971**	**1.912**	**1.916**	**2.048**	**2.072**	**.2451**
Stddev	.001	.000	.004	.005	.001	.006	.003	.002	.0002
%RSD	.0472	.0101	.1942	.2618	.0540	.3254	.1244	.1009	.0849
#1	2.007	1.993	1.944	1.968	1.913	1.921	2.049	2.071	.2452
#2	2.006	1.994	1.950	1.975	1.911	1.912	2.046	2.074	.2449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.931**	**2.063**	**2.025**	**2.045**	**2.025**	**2.002**	**2.028**	**40.79**	**38.69**
Stddev	.002	.004	.000	.005	.004	.006	.000	.02	.08
%RSD	.0884	.2026	.0058	.2400	.2173	.3235	.0120	.0409	.2105
#1	1.932	2.060	2.025	2.042	2.022	1.997	2.028	40.80	38.64
#2	1.930	2.066	2.025	2.049	2.028	2.006	2.028	40.78	38.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.79**	**38.66**	**39.77**	**43.11**	**2.001**	**2.005**	**1.915**	**5.232**	**2.022**
Stddev	.02	.10	.02	.03	.004	.003	.006	.010	.005
%RSD	.0504	.2552	.0556	.0687	.2019	.1591	.3106	.1918	.2405
#1	39.78	38.59	39.76	43.13	1.998	2.002	1.920	5.225	2.019
#2	39.81	38.73	39.79	43.09	2.004	2.007	1.911	5.240	2.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 4:29:26 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**1.941**	**1.876**	**1.925**	**1.994**	**2.027**	**2.048**
Stddev	.001	.003	.012	.002	.001	.001	.002
%RSD	.0623	.1754	.6521	.1133	.0587	.0459	.0997
#1	2.007	1.943	1.868	1.927	1.993	2.027	2.049
#2	2.005	1.938	1.885	1.924	1.995	2.028	2.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81270.**	**15157.**	**1889.3**	**5898.9**
Stddev	73.	33.	1.1	4.8
%RSD	.08979	.21682	.05973	.08093
#1	81219.	15180.	1890.1	5902.3
#2	81322.	15133.	1888.5	5895.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 4:35:28 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0004**	**.0003**	**.0000**	**.0001**	**-.0004**	**.0006**	**.0000**	**-.0009**
Stddev	.0001	.0001	.0000	.0000	.0004	.0001	.0000	.000	.0004
%RSD	18.76	19.86	18.04	38.82	320.8	28.58	4.325	1298.	43.49
#1	.0004	.0004	.0002	.0000	.0004	-.0003	.0006	-.0003	-.0006
#2	.0005	.0003	.0003	.0000	-.0002	-.0005	.0006	.0002	-.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0005**	**-.0007**	**.0007**	**.0002**	**.0012**	**.0016**	**.0102**	**.0047**
Stddev	.0001	.0000	.0005	.0002	.0002	.0011	.0002	.0025	.0040
%RSD	16.75	.4691	69.25	31.25	98.88	86.22	10.52	24.22	83.94
#1	.0003	.0005	-.0004	.0005	.0003	.0005	.0018	.0120	.0075
#2	.0004	.0005	-.0011	.0009	.0001	.0020	.0015	.0085	.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0198**	**.0136**	**.0745**	**.0139**	**.0014**	**.0010**	**-.0001**	**.0120**	**.0003**
Stddev	.0031	.0152	.0076	.0067	.0002	.0003	.0002	.0005	.0000
%RSD	15.66	111.7	10.14	48.00	15.99	27.93	235.6	4.348	.5031
#1	.0219	.0244	.0692	.0186	.0015	.0012	.0001	.0124	.0003
#2	.0176	.0029	.0799	.0092	.0012	.0008	-.0002	.0116	.0003
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.0100								
Low Limit	-.0100								

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 4:35:28 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0000**	**-.0062**	**.0003**	**.0005**	**-.0014**	**.0006**
Stddev	.0001	.0002	.0007	.0000	.0006	.0008	.0006
%RSD	15.26	1514.	11.42	12.48	116.4	56.71	105.2
#1	.0004	-.0001	-.0057	.0004	.0009	-.0008	.0001
#2	.0003	.0001	-.0066	.0003	.0001	-.0019	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87240.**	**15493.**	**1999.0**	**6600.2**
Stddev	721.	88.	5.2	10.3
%RSD	.82629	.57008	.25875	.15661
#1	86731.	15430.	2002.6	6607.5
#2	87750.	15555.	1995.3	6592.9

Zoom In Zoom Out

Sample Name: jb69630-4a Acquired: 6/26/2014 4:41:47 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.091**	**.0044**	**.0095**	**.0537**	**.2009**	**.9576**	**3.563**	**.1589**	**.0063**
Stddev	.002	.0000	.0003	.0003	.0012	.0031	.015	.0001	.0001
%RSD	.1330	.5763	2.740	.5597	.6093	.3208	.4330	.0713	1.596
#1	1.090	.0043	.0097	.0535	.2000	.9598	3.553	.1589	.0062
#2	1.092	.0044	.0093	.0539	.2018	.9554	3.574	.1590	.0063

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1753**	**8.143**	**.1255**	**-.0001**	**5.162**	**.0070**	**.0964**	**51.09**	**123.4**
Stddev	.0001	.020	.0014	.0018	.009	.0025	.0009	.15	.2
%RSD	.0731	.2395	1.155	2688.	.1773	35.44	.9253	.2879	.1859
#1	.1752	8.130	.1244	.0012	5.156	.0053	.0971	50.99	123.6
#2	.1754	8.157	.1265	-.0014	5.169	.0088	.0958	51.20	123.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**157.5**	**28.11**	**7.617**	**8.167**	**.0568**	**.0123**	**-.0235**	**6.792**	**1.637**
Stddev	.0	.08	.037	.025	.0000	.0003	.0003	.040	.007
%RSD	.0213	.2906	.4835	.3030	.0105	2.577	1.376	.5845	.4174
#1	157.5	28.17	7.591	8.149	.0568	.0125	-.0237	6.820	1.632
#2	157.5	28.05	7.643	8.184	.0568	.0121	-.0233	6.764	1.642

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6261**	**2.474**	**.0185**	**.0544**	**4.411**	**-.0356**	**.0723**
Stddev	.0009	.004	.0003	.0001	.002	.0000	.0010
%RSD	.1438	.1509	1.718	.2020	.0352	.1287	1.374
#1	.6267	2.471	.0187	.0543	4.410	-.0356	.0716
#2	.6255	2.477	.0183	.0545	4.412	-.0356	.0730

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83430.**	**15593.**	**1903.9**	**5938.3**
Stddev	185.	2.	6.6	13.1
%RSD	.22190	.00962	.34762	.22093
#1	83561.	15594.	1908.6	5947.6
#2	83299.	15592.	1899.2	5929.0

Zoom In Zoom Out

Sample Name: jb69630-5a Acquired: 6/26/2014 4:47:52 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.897**	**.0070**	**.0310**	**.0970**	**.2187**	**2.064**	**1.748**	**.3041**	**.0146**
Stddev	.002	.0001	.0000	.0007	.0013	.008	.005	.0010	.0001
%RSD	.0792	1.417	.1134	.7048	.6157	.3805	.2907	.3335	.4027
#1	1.895	.0070	.0311	.0974	.2178	2.070	1.744	.3048	.0146
#2	1.898	.0071	.0310	.0965	.2197	2.059	1.751	.3034	.0145

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2588**	**9.782**	**.2337**	**-.0069**	**5.252**	**.0235**	**.0256**	**85.57**	**118.3**
Stddev	.0009	.009	.0022	.0010	.006	.0006	.0005	.01	.2
%RSD	.3322	.0959	.9517	15.03	.1225	2.648	1.830	.0141	.1300
#1	.2594	9.789	.2321	-.0062	5.256	.0230	.0259	85.58	118.4
#2	.2582	9.776	.2353	-.0076	5.247	.0239	.0253	85.56	118.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**168.9**	**15.46**	**9.390**	**15.90**	**.0545**	**.0482**	**-.0270**	**9.096**	**.3844**
Stddev	.0	.02	.030	.03	.0009	.0004	.0001	.021	.0021
%RSD	.0117	.1081	.3218	.1868	1.654	.7703	.3260	.2251	.5431
#1	168.9	15.45	9.369	15.88	.0539	.0480	-.0271	9.111	.3830
#2	168.9	15.47	9.412	15.92	.0552	.0485	-.0270	9.082	.3859

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.310**	**3.276**	**.0199**	**.1015**	**112.5**	**-.0529**	**.1153**
Stddev	.002	.002	.0008	.0001	.4	.0006	.0002
%RSD	.1711	.0744	4.079	.0746	.3975	1.122	.1389
#1	1.311	3.274	.0193	.1015	112.2	-.0533	.1151
#2	1.308	3.278	.0205	.1016	112.8	-.0524	.1154

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84678.**	**15716.**	**1924.3**	**5938.4**
Stddev	156.	41.	5.4	7.3
%RSD	.18473	.26018	.28023	.12366
#1	84567.	15745.	1928.1	5943.6
#2	84788.	15687.	1920.5	5933.2

Zoom In Zoom Out

Sample Name: jb69630-6a Acquired: 6/26/2014 4:53:56 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.155**	**.0041**	**.0186**	**.0737**	**.1759**	**.9781**	**2.019**	**.1928**	**.0080**
Stddev	.002	.0000	.0000	.0001	.0003	.0020	.005	.0001	.0001
%RSD	.1949	.6818	.2050	.1110	.1805	.2023	.2665	.0771	.7893
#1	1.157	.0041	.0186	.0738	.1762	.9767	2.015	.1927	.0081
#2	1.154	.0041	.0187	.0737	.1757	.9795	2.023	.1929	.0080

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1740**	**4.728**	**.1506**	**-.0065**	**5.382**	**.0174**	**.0063**	**47.10**	**198.2**
Stddev	.0011	.008	.0001	.0013	.003	.0016	.0000	.03	1.2
%RSD	.6220	.1660	.0669	19.68	.0518	9.175	.1813	.0659	.6230
#1	.1732	4.733	.1507	-.0056	5.380	.0186	.0063	47.08	197.3
#2	.1748	4.722	.1506	-.0075	5.384	.0163	.0063	47.13	199.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**189.1**	**69.05**	**6.297**	**10.05**	**.0368**	**.0246**	**-.0305**	**7.104**	**2.335**
Stddev	.5	.34	.010	.03	.0006	.0002	.0002	.025	.003
%RSD	.2885	.4957	.1619	.2497	1.680	.9763	.5674	.3480	.1302
#1	188.7	68.81	6.290	10.03	.0372	.0247	-.0304	7.122	2.333
#2	189.5	69.30	6.304	10.07	.0363	.0244	-.0306	7.087	2.338

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9235**	**2.206**	**.0060**	**.0630**	**127.7**	**-.0288**	**.0725**
Stddev	.0012	.003	.0004	.0005	.1	.0005	.0002
%RSD	.1341	.1417	6.375	.8642	.0964	1.781	.3006
#1	.9244	2.204	.0063	.0626	127.6	-.0284	.0724
#2	.9226	2.208	.0058	.0634	127.8	-.0292	.0727

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81391.**	**15283.**	**1850.0**	**5789.1**
Stddev	264.	112.	6.0	13.4
%RSD	.32391	.73583	.32179	.23079
#1	81577.	15362.	1854.2	5798.6
#2	81204.	15203.	1845.8	5779.7

Zoom In Zoom Out

Sample Name: jb69630-7a Acquired: 6/26/2014 5:00:01 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.825**	**.0062**	**.0033**	**.0694**	**.1081**	**1.119**	**3.009**	**.1977**	**.0141**
Stddev	.002	.0000	.0000	.0003	.0004	.001	.001	.0008	.0002
%RSD	.0724	.3039	.8845	.4080	.3833	.0890	.0218	.3993	1.156
#1	2.824	.0062	.0033	.0692	.1078	1.120	3.010	.1971	.0139
#2	2.827	.0062	.0033	.0696	.1084	1.118	3.009	.1982	.0142

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1891**	**3.295**	**.1129**	**-.0064**	**5.767**	**.0174**	**.0157**	**56.86**	**83.64**
Stddev	.0001	.006	.0005	.0007	.001	.0010	.0010	.16	.22
%RSD	.0452	.1766	.4581	10.77	.0100	5.776	6.373	.2774	.2600
#1	.1891	3.299	.1126	-.0068	5.767	.0167	.0150	56.75	83.80
#2	.1892	3.291	.1133	-.0059	5.767	.0181	.0164	56.97	83.49

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**245.7**	**10.42**	**4.668**	**7.564**	**.0343**	**.0103**	**-.0368**	**11.01**	**.3043**
Stddev	.8	.05	.009	.011	.0007	.0003	.0002	.07	.0003
%RSD	.3143	.4387	.2022	.1433	2.116	2.930	.5968	.6577	.0973
#1	246.2	10.45	4.661	7.556	.0338	.0101	-.0370	10.96	.3041
#2	245.2	10.38	4.675	7.571	.0348	.0105	-.0367	11.06	.3045

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.105**	**1.793**	**.0056**	**.0629**	**46.57**	**-.0196**	**.0906**
Stddev	.000	.004	.0014	.0004	.04	.0002	.0003
%RSD	.0350	.2109	25.10	.5687	.0901	.9424	.2795
#1	1.105	1.790	.0065	.0627	46.60	-.0195	.0904
#2	1.104	1.795	.0046	.0632	46.54	-.0198	.0908

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84791.**	**15705.**	**1938.1**	**6090.6**
Stddev	156.	40.	8.2	15.9
%RSD	.18428	.25243	.42265	.26130
#1	84681.	15677.	1943.8	6101.8
#2	84902.	15733.	1932.3	6079.3

Zoom In Zoom Out

Sample Name: jb69630-8a Acquired: 6/26/2014 5:06:09 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.955**	**.0054**	**.0047**	**.0960**	**.4662**	**2.071**	**1.734**	**.6213**	**.0094**
Stddev	.003	.0001	.0001	.0002	.0017	.002	.005	.0008	.0002
%RSD	.1404	1.181	1.199	.2429	.3602	.1109	.2975	.1244	2.449
#1	1.953	.0054	.0046	.0958	.4650	2.069	1.731	.6208	.0093
#2	1.957	.0053	.0047	.0961	.4674	2.072	1.738	.6219	.0096

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4590**	**4.592**	**.0933**	**-.0056**	**7.115**	**.0141**	**.0103**	**58.00**	**84.39**
Stddev	.0012	.008	.0003	.0005	.013	.0013	.0009	.09	.25
%RSD	.2718	.1705	.3562	8.387	.1750	9.198	8.348	.1488	.2988
#1	.4581	4.587	.0936	-.0060	7.106	.0131	.0109	57.94	84.57
#2	.4599	4.598	.0931	-.0053	7.123	.0150	.0097	58.06	84.22

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**154.1**	**17.38**	**7.101**	**8.823**	**.0436**	**.0205**	**-.0255**	**9.913**	**.3705**
Stddev	.2	.03	.018	.009	.0006	.0003	.0004	.005	.0022
%RSD	.1493	.1647	.2552	.1023	1.441	1.602	1.661	.0551	.5817
#1	154.3	17.40	7.114	8.817	.0440	.0203	-.0258	9.910	.3690
#2	154.0	17.36	7.088	8.829	.0431	.0208	-.0252	9.917	.3720

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8409**	**2.691**	**.0038**	**.0580**	**28.46**	**-.0439**	**.0898**
Stddev	.0025	.000	.0005	.0002	.02	.0012	.0007
%RSD	.2975	.0055	12.09	.3915	.0814	2.833	.8222
#1	.8391	2.691	.0035	.0581	28.44	-.0448	.0892
#2	.8427	2.691	.0041	.0578	28.47	-.0430	.0903

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83915.**	**15470.**	**1924.4**	**6002.1**
Stddev	177.	26.	3.8	5.4
%RSD	.21074	.16779	.19860	.09021
#1	84040.	15452.	1927.1	6005.9
#2	83790.	15488.	1921.7	5998.3

Zoom In Zoom Out

Sample Name: jb69630-9a Acquired: 6/26/2014 5:12:15 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.543**	**.0053**	**.0064**	**.0761**	**.3567**	**1.814**	**2.651**	**.4864**	**.0167**
Stddev	.004	.0001	.0002	.0000	.0009	.009	.004	.0014	.0001
%RSD	.1742	1.734	2.978	.0276	.2476	.4873	.1466	.2804	.5486
#1	2.546	.0054	.0062	.0761	.3560	1.820	2.648	.4855	.0167
#2	2.540	.0052	.0065	.0761	.3573	1.808	2.654	.4874	.0166

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3929**	**3.299**	**.1232**	**-.0091**	**9.997**	**.0140**	**.0108**	**59.60**	**139.5**
Stddev	.0005	.001	.0009	.0024	.009	.0000	.0012	.17	.1
%RSD	.1336	.0270	.7316	26.84	.0870	.2445	11.36	.2911	.0680
#1	.3933	3.299	.1226	-.0109	10.00	.0140	.0117	59.72	139.5
#2	.3925	3.298	.1239	-.0074	9.991	.0140	.0099	59.48	139.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**235.5**	**13.02**	**8.542**	**11.69**	**.0428**	**.0445**	**-.0366**	**8.894**	**.5863**
Stddev	.3	.01	.036	.03	.0007	.0000	.0003	.057	.0019
%RSD	.1187	.0649	.4203	.2589	1.659	.0379	.7770	.6392	.3173
#1	235.7	13.01	8.567	11.72	.0433	.0445	-.0368	8.853	.5850
#2	235.3	13.02	8.517	11.67	.0423	.0445	-.0364	8.934	.5876

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.381**	**2.466**	**.0049**	**.0735**	**101.9**	**-.0326**	**.0858**
Stddev	.002	.006	.0001	.0002	.5	.0003	.0010
%RSD	.1086	.2568	1.158	.3200	.4672	.9078	1.125
#1	1.382	2.470	.0048	.0736	101.6	-.0328	.0864
#2	1.380	2.461	.0049	.0733	102.2	-.0324	.0851

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84098.**	**15600.**	**1914.7**	**5977.6**
Stddev	132.	12.	5.2	7.5
%RSD	.15729	.07723	.27134	.12556
#1	84004.	15591.	1918.4	5982.9
#2	84191.	15608.	1911.1	5972.3

Zoom In Zoom Out

Sample Name: jb69764-1a Acquired: 6/26/2014 5:18:21 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.359**	**.0038**	**.0027**	**.0445**	**.1018**	**1.296**	**1.045**	**.1358**	**.0079**
Stddev	.003	.0000	.0003	.0003	.0003	.006	.002	.0006	.0001
%RSD	.2351	.9407	10.95	.6498	.2506	.4868	.1675	.4526	.7727
#1	1.357	.0038	.0025	.0443	.1019	1.292	1.046	.1363	.0079
#2	1.361	.0037	.0029	.0447	.1016	1.301	1.044	.1354	.0078

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1399**	**1.781**	**.0871**	**-.0014**	**4.898**	**.0060**	**.0120**	**41.70**	**76.80**
Stddev	.0002	.001	.0003	.0009	.001	.0023	.0016	.00	.16
%RSD	.1370	.0297	.3259	62.38	.0125	38.88	13.15	.0018	.2118
#1	.1397	1.782	.0869	-.0021	4.899	.0044	.0109	41.70	76.91
#2	.1400	1.781	.0873	-.0008	4.898	.0077	.0132	41.70	76.68

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**109.5**	**21.93**	**5.716**	**10.20**	**.0174**	**.0069**	**-.0167**	**5.391**	**.4945**
Stddev	.1	.01	.012	.01	.0011	.0001	.0004	.050	.0029
%RSD	.0794	.0613	.2151	.0982	6.161	1.074	2.439	.9340	.5813
#1	109.5	21.92	5.725	10.19	.0166	.0069	-.0170	5.426	.4925
#2	109.4	21.94	5.707	10.21	.0181	.0070	-.0165	5.355	.4965

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5817**	**1.859**	**-.0055**	**.0415**	**2.468**	**-.0286**	**.0760**
Stddev	.0010	.001	.0001	.0004	.004	.0006	.0004
%RSD	.1768	.0761	2.456	.9609	.1592	1.991	.4897
#1	.5810	1.858	-.0054	.0417	2.465	-.0282	.0763
#2	.5824	1.860	-.0056	.0412	2.471	-.0290	.0758

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84209.**	**15569.**	**1933.3**	**6069.7**
Stddev	70.	68.	4.6	6.2
%RSD	.08305	.43674	.23845	.10213
#1	84259.	15521.	1936.6	6074.1
#2	84160.	15617.	1930.1	6065.3

Zoom In Zoom Out

Sample Name: jb69764-2a Acquired: 6/26/2014 5:24:29 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.257**	**.0038**	**.0020**	**.0384**	**.2243**	**2.275**	**1.345**	**.1141**	**.0138**
Stddev	.000	.0000	.0001	.0002	.0005	.004	.001	.0008	.0000
%RSD	.0045	1.131	3.674	.5280	.2229	.1528	.0787	.6851	.2891
#1	2.257	.0038	.0020	.0383	.2246	2.273	1.344	.1146	.0137
#2	2.257	.0037	.0021	.0386	.2239	2.278	1.345	.1135	.0138

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1539**	**1.683**	**.1394**	**-.0046**	**9.451**	**.0119**	**.0063**	**43.93**	**87.48**
Stddev	.0004	.008	.0009	.0020	.032	.0008	.0027	.00	.52
%RSD	.2377	.4688	.6747	43.02	.3414	6.960	43.25	.0099	.5913
#1	.1536	1.689	.1401	-.0060	9.474	.0114	.0044	43.93	87.85
#2	.1541	1.677	.1387	-.0032	9.429	.0125	.0082	43.93	87.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**189.7**	**11.05**	**5.936**	**8.253**	**.0332**	**.0251**	**-.0279**	**6.559**	**.5098**
Stddev	1.1	.04	.024	.013	.0009	.0001	.0003	.014	.0033
%RSD	.5842	.3804	.4042	.1582	2.837	.2296	1.166	.2196	.6398
#1	190.5	11.08	5.919	8.244	.0325	.0251	-.0277	6.549	.5121
#2	188.9	11.02	5.953	8.263	.0339	.0250	-.0281	6.569	.5075

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9355**	**1.540**	**-.0013**	**.0489**	**89.72**	**-.0194**	**.0676**
Stddev	.0005	.001	.0008	.0005	.42	.0003	.0013
%RSD	.0523	.0563	61.10	1.069	.4709	1.478	1.869
#1	.9359	1.540	-.0007	.0493	90.02	-.0192	.0667
#2	.9352	1.539	-.0019	.0486	89.42	-.0197	.0685

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83349.**	**15277.**	**1895.4**	**6069.5**
Stddev	44.	96.	3.0	6.8
%RSD	.05220	.62801	.15672	.11275
#1	83380.	15209.	1893.3	6064.7
#2	83318.	15345.	1897.5	6074.3

Zoom In Zoom Out

Sample Name: jb69764-3a Acquired: 6/26/2014 5:30:37 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.241**	**.0062**	**.0032**	**.0875**	**.1972**	**1.149**	**1.753**	**.4123**	**.0197**
Stddev	.001	.0000	.0001	.0001	.0001	.003	.002	.0008	.0002
%RSD	.0262	.5673	3.760	.1133	.0277	.2617	.0902	.1954	1.109
#1	4.241	.0062	.0031	.0875	.1972	1.147	1.752	.4129	.0198
#2	4.242	.0062	.0033	.0874	.1971	1.151	1.754	.4117	.0195

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2340**	**3.224**	**.2402**	**-.0060**	**14.16**	**.0187**	**-.0485**	**72.46**	**176.7**
Stddev	.0009	.008	.0011	.0000	.03	.0017	.0001	.10	.0
%RSD	.3711	.2493	.4648	.4499	.2445	9.146	.1512	.1380	.0245
#1	.2334	3.230	.2394	-.0060	14.19	.0199	-.0486	72.39	176.7
#2	.2346	3.219	.2410	-.0060	14.14	.0175	-.0485	72.53	176.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**222.5**	**23.14**	**8.428**	**13.68**	**.0639**	**.0420**	**-.0277**	**9.629**	**13.86**
Stddev	.0	.04	.046	.01	.0011	.0000	.0012	.481	.00
%RSD	.0010	.1761	.5475	.0839	1.738	.0402	4.268	4.996	.0318
#1	222.5	23.17	8.461	13.67	.0631	.0420	-.0268	9.289	13.86
#2	222.5	23.11	8.396	13.68	.0647	.0420	-.0285	9.970	13.87

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.108**	**2.178**	**.0064**	**.0718**	**94.07**	**-.0266**	**.0878**
Stddev	.000	.002	.0012	.0005	.03	.0013	.0000
%RSD	.0185	.0941	19.23	.6522	.0297	4.733	.0130
#1	2.108	2.176	.0056	.0721	94.05	-.0257	.0878
#2	2.108	2.179	.0073	.0715	94.09	-.0274	.0878

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**82330.**	**15456.**	**1886.6**	**5913.6**
Stddev	220.	16.	4.5	.0
%RSD	.26759	.10086	.24030	.00073
#1	82486.	15467.	1889.9	5913.7
#2	82174.	15445.	1883.4	5913.6

Zoom In Zoom Out

Sample Name: jb69764-5a Acquired: 6/26/2014 5:36:41 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.723**	**.0042**	**.0064**	**.0536**	**.1415**	**.8898**	**1.741**	**.1490**	**.0126**
Stddev	.003	.0000	.0002	.0001	.0004	.0035	.000	.0009	.0002
%RSD	.1589	1.024	3.092	.2559	.3128	.3939	.0244	.6056	1.795
#1	1.721	.0042	.0063	.0535	.1412	.8923	1.741	.1483	.0128
#2	1.725	.0043	.0066	.0537	.1418	.8873	1.741	.1496	.0125

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1603**	**2.709**	**.0950**	**-.0051**	**3.882**	**.0149**	**.0176**	**58.20**	**93.64**
Stddev	.0009	.007	.0011	.0008	.005	.0001	.0008	.06	.29
%RSD	.5810	.2570	1.173	16.32	.1323	.9792	4.636	.1075	.3067
#1	.1610	2.704	.0943	-.0056	3.879	.0148	.0170	58.16	93.85
#2	.1597	2.714	.0958	-.0045	3.886	.0150	.0181	58.25	93.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**164.0**	**16.58**	**6.512**	**12.57**	**.0327**	**.0162**	**-.0258**	**6.723**	**.9942**
Stddev	.2	.09	.039	.02	.0000	.0001	.0013	.147	.0026
%RSD	.1095	.5211	.5930	.1472	.0962	.7463	5.122	2.188	.2630
#1	164.1	16.64	6.485	12.56	.0327	.0163	-.0249	6.619	.9923
#2	163.8	16.52	6.539	12.59	.0326	.0161	-.0267	6.827	.9960

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9236**	**2.127**	**.0002**	**.0541**	**18.36**	**-.0307**	**.0834**
Stddev	.0026	.003	.0002	.0002	.05	.0005	.0003
%RSD	.2851	.1156	130.1	.4008	.2747	1.766	.3955
#1	.9255	2.128	.0003	.0540	18.39	-.0311	.0836
#2	.9217	2.125	.0000	.0543	18.32	-.0303	.0831

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**83482.**	**15565.**	**1917.9**	**6045.5**
Stddev	14.	19.	1.4	5.4
%RSD	.01694	.12158	.07244	.08979
#1	83492.	15552.	1916.9	6041.6
#2	83472.	15578.	1918.8	6049.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 5:42:50 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**2.008**	**1.941**	**1.970**	**1.920**	**1.916**	**2.047**	**2.064**	**.2433**
Stddev	.019	.014	.000	.001	.005	.004	.005	.002	.0000
%RSD	.9425	.6719	.0063	.0576	.2618	.2007	.2489	.0858	.0080
#1	2.029	2.017	1.941	1.969	1.924	1.913	2.051	2.063	.2433
#2	2.003	1.998	1.941	1.971	1.917	1.919	2.043	2.065	.2433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.942**	**2.055**	**2.010**	**2.053**	**2.026**	**1.990**	**2.015**	**40.94**	**38.80**
Stddev	.001	.002	.004	.013	.000	.007	.001	.30	.14
%RSD	.0561	.0735	.2056	.6247	.0004	.3528	.0309	.7339	.3584
#1	1.942	2.054	2.013	2.062	2.026	1.995	2.014	41.15	38.90
#2	1.941	2.056	2.007	2.044	2.026	1.985	2.015	40.73	38.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.65**	**38.61**	**40.08**	**43.28**	**1.994**	**1.996**	**1.915**	**5.186**	**2.014**
Stddev	.25	.19	.30	.42	.004	.001	.003	.001	.001
%RSD	.6356	.4960	.7378	.9603	.1862	.0410	.1778	.0192	.0426
#1	39.83	38.74	40.29	43.58	1.997	1.996	1.912	5.185	2.013
#2	39.47	38.47	39.88	42.99	1.991	1.997	1.917	5.187	2.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 5:42:50 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 6

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**1.947**	**1.872**	**1.923**	**1.983**	**2.012**	**2.062**
Stddev	.017	.004	.006	.000	.008	.004	.021
%RSD	.8626	.2123	.3229	.0089	.4240	.1761	1.044
#1	2.026	1.950	1.868	1.923	1.989	2.015	2.077
#2	2.002	1.944	1.876	1.923	1.977	2.010	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81179.**	**15105.**	**1900.2**	**5922.1**
Stddev	134.	32.	.9	.3
%RSD	.16449	.21182	.04940	.00458
#1	81084.	15083.	1899.5	5921.9
#2	81273.	15128.	1900.9	5922.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 5:48:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0002**	**.0002**	**.0000**	**-.0003**	**.0003**	**.0000**	**-.0005**
Stddev	.0000	.0000	.0002	.0001	.000	.0002	.0000	.000	.0002
%RSD	8.739	30.44	84.90	69.75	1543.	69.18	3.999	214.4	50.75
#1	.0002	.0001	.0004	.0001	-.0001	-.0002	.0003	.0000	-.0007
#2	.0003	.0001	.0001	.0003	.0001	-.0005	.0003	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	F **.0022**	**.0004**	**.0004**	**.0012**	**.0009**	**.0018**	**-.0002**	**.0063**
Stddev	.0002	.0001	.0005	.0000	.0001	.0001	.0008	.0003	.0006
%RSD	51.87	3.022	129.9	2.774	7.563	10.30	44.82	189.0	9.696
#1	.0004	.0021	.0007	.0004	.0013	.0010	.0024	-.0004	.0058
#2	.0002	.0022	.0000	.0004	.0012	.0008	.0012	.0001	.0067
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020							
Low Limit		-.0020							

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0060**	**.0035**	**-.0046**	**-.0007**	**.0015**	**.0008**	**-.0005**	**.0124**	**.0000**
Stddev	.0016	.0029	.0214	.0044	.0001	.0006	.0009	.0012	.000
%RSD	26.66	83.39	461.8	584.2	6.497	69.88	173.3	9.670	2766.
#1	.0049	.0014	.0105	.0023	.0015	.0013	-.0012	.0115	.0003
#2	.0071	.0055	-.0197	-.0038	.0016	.0004	.0001	.0132	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 5:48:53 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	**-.0062**	**.0002**	**.0022**	**-.0003**	**.0002**
Stddev	.0001	.0004	.0009	.0001	.0003	.0002	.0002
%RSD	47.21	90.88	14.03	30.44	15.53	95.73	81.18
#1	.0001	.0002	-.0056	.0002	.0019	-.0004	.0001
#2	.0002	.0008	-.0068	.0003	.0024	-.0001	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86881.**	**15436.**	**1986.5**	**6554.2**
Stddev	90.	42.	8.1	12.5
%RSD	.10322	.27184	.40582	.19003
#1	86944.	15406.	1992.2	6563.0
#2	86817.	15465.	1980.8	6545.4

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 5:55:13 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2050**	**.0023**	**.0029**	**.0504**	**.0101**	**.0093**	**.0164**	**.0108**	**.0039**
Stddev	.0001	.0000	.0001	.0003	.0000	.0001	.0000	.0002	.0002
%RSD	.0647	.3828	2.987	.5114	.0804	.8121	.0659	1.436	4.367
#1	.2051	.0023	.0028	.0503	.0101	.0093	.0164	.0107	.0040
#2	.2049	.0023	.0029	.0506	.0101	.0092	.0165	.0109	.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0526**	**.0239**	**.0080**	**.0100**	**.0038**	**.0121**	**.0066**	**.1968**	**4.822**
Stddev	.0001	.0002	.0004	.0001	.0000	.0003	.0005	.0024	.009
%RSD	.1749	.6915	4.728	.7048	.6448	2.561	7.894	1.227	.1828
#1	.0527	.0237	.0077	.0100	.0038	.0119	.0069	.1951	4.816
#2	.0525	.0240	.0083	.0101	.0038	.0123	.0062	.1986	4.828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1090**	**4.953**	**4.992**	**5.398**	**.1055**	**.0203**	**.0516**	**.2190**	**.0112**
Stddev	.0031	.008	.003	.004	.0005	.0000	.0005	.0015	.0004
%RSD	2.869	.1649	.0634	.0788	.4364	.1602	.9308	.6643	3.948
#1	.1112	4.947	4.994	5.395	.1051	.0203	.0519	.2179	.0115
#2	.1067	4.959	4.989	5.401	.1058	.0203	.0513	.2200	.0109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 5:55:13 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0104**	**.0392**	**.0103**	**.0516**	**.0204**	**.0222**
Stddev	.0000	.0001	.0008	.0000	.0015	.0005	.0002
%RSD	.3309	1.117	2.083	.4804	2.864	2.485	.8707
#1	.0106	.0104	.0398	.0104	.0505	.0200	.0223
#2	.0106	.0103	.0386	.0103	.0526	.0207	.0220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85284.**	**15309.**	**1968.0**	**6407.3**
Stddev	86.	35.	.6	1.3
%RSD	.10137	.22758	.02948	.02013
#1	85345.	15334.	1967.6	6406.4
#2	85223.	15284.	1968.4	6408.3

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 6:01:28 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0011**	**.0010**	**.0029**	**.0019**	**.0015**	**.0032**	**.0042**	F **.0003**
Stddev	.0000	.0000	.0000	.0000	.0001	.0000	.0000	.0004	.0001
%RSD	.2056	.2075	3.834	1.270	6.584	.4547	.4924	8.695	44.15
#1	.0041	.0011	.0009	.0029	.0020	.0015	.0032	.0045	.0002
#2	.0041	.0011	.0010	.0029	.0018	.0015	.0032	.0039	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.0010
Range									-30.00%

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0115**	**.0022**	**.0020**	**.0027**	**.0048**	F **.0045**	**.1223**	**.9817**
Stddev	.0001	.0002	.0006	.0001	.0001	.0007	.0001	.0077	.0027
%RSD	5.706	1.696	26.37	3.614	2.251	15.44	1.672	6.254	.2778
#1	.0019	.0116	.0018	.0020	.0027	.0053	.0045	.1169	.9836
#2	.0021	.0114	.0026	.0021	.0028	.0043	.0046	.1277	.9797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							.0030		
Range							30.00%		

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0096**	F **.1379**	**2.065**	**1.093**	**.0103**	**-.0010**	**-.0003**	**.0059**	**.0005**
Stddev	.0010	.0057	.003	.007	.0006	.0001	.0006	.0001	.0008
%RSD	10.24	4.166	.1583	.6168	5.637	8.861	198.2	1.944	153.5
#1	.0103	.1420	2.068	1.088	.0099	-.0009	.0001	.0058	.0011
#2	.0089	.1339	2.063	1.097	.0107	-.0011	-.0007	.0060	.0000
Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value		.1000							
Range		30.00%							

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 6:01:28 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**-.0134**	**-.0003**	**.0023**	**-.0009**	**.0001**
Stddev	.0000	.0001	.0008	.0000	.0012	.0021	.0002
%RSD	23.88	23.76	5.951	15.15	52.56	237.5	131.0
#1	.0001	-.0003	-.0128	-.0003	.0015	.0006	.0000
#2	.0001	-.0002	-.0139	-.0003	.0032	-.0024	.0003
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86110.**	**15277.**	**1974.7**	**6482.8**
Stddev	90.	9.	.5	3.6
%RSD	.10427	.06123	.02366	.05593
#1	86173.	15270.	1975.0	6485.3
#2	86046.	15283.	1974.4	6480.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/26/2014 6:07:47 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0001**	**-.0001**	**-.0004**	**-.0005**	**.0001**	**-.0002**	**-.0006**
Stddev	.0002	.0000	.0001	.0001	.0002	.0001	.0000	.0001	.0001
%RSD	133.1	97.25	212.1	37.52	51.04	12.20	2.360	49.21	11.08
#1	.0000	.0001	.0000	-.0002	-.0005	-.0005	.0001	-.0001	-.0006
#2	.0002	.0000	-.0001	-.0001	-.0002	-.0005	.0001	-.0003	-.0005
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0009**	**.0189**	**.0001**	**.0213**	**.0211**	**.0218**	**.5098**	**.0022**
Stddev	.000	.0000	.0010	.0016	.0004	.0001	.0007	.0032	.0003
%RSD	2532.	4.066	5.506	1095.	1.734	.5459	3.324	.6200	15.63
#1	-.0002	.0009	.0181	-.0010	.0210	.0211	.0223	.5121	.0020
#2	.0002	.0009	.0196	.0013	.0215	.0210	.0212	.5076	.0025
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5179**	**.0289**	**-.0123**	**-.0065**	**.0000**	**-.0015**	**-.0007**	**.0030**	**-.0003**
Stddev	.0021	.0297	.0047	.0003	.001	.0000	.0002	.0003	.0011
%RSD	.4149	103.0	38.15	4.012	1390.	.4123	23.11	8.649	358.4
#1	.5195	.0499	-.0156	-.0067	.0004	-.0015	-.0008	.0032	-.0011
#2	.5164	.0078	-.0090	-.0064	-.0005	-.0015	-.0006	.0028	.0005
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/26/2014 6:07:47 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**-.0151**	**-.0004**	**.0032**	**-.0006**	**.0005**
Stddev	.0000	.0001	.0002	.0000	.0015	.0003	.0002
%RSD	247.9	322.9	1.137	1.173	44.80	62.20	48.77
#1	.0000	.0001	-.0150	-.0004	.0022	-.0008	.0006
#2	.0001	.0000	-.0153	-.0004	.0043	-.0003	.0003
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86891.**	**15428.**	**1990.5**	**6564.0**
Stddev	153.	104.	1.5	11.3
%RSD	.17552	.67170	.07663	.17274
#1	86999.	15502.	1989.4	6556.0
#2	86783.	15355.	1991.5	6572.0

Zoom In Zoom Out

Sample Name: moconf Acquired: 6/26/2014 6:14:08 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0001**	**.0003**	**-.0147**	**-.0003**	**.0033**	**.0014**	**.0069**	**.0006**
Stddev	.0001	.0000	.0001	.0001	.0002	.0001	.0000	.0000	.0001
%RSD	44.12	29.38	19.54	.7010	52.41	1.807	2.008	.1183	11.34
#1	-.0001	.0001	.0003	-.0148	-.0002	.0033	.0014	.0069	.0007
#2	-.0003	.0001	.0004	-.0146	-.0004	.0034	.0014	.0069	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0060**	**.0086**	**-.0037**	**-.0134**	**.0220**	**-.0088**	**.0026**	**-.0473**	**.0212**
Stddev	.0001	.0001	.0002	.0009	.0004	.0000	.0001	.0154	.0004
%RSD	1.288	.8358	5.821	6.362	1.752	.3988	3.220	32.63	1.703
#1	-.0061	.0086	-.0035	-.0140	.0222	-.0087	.0027	-.0582	.0209
#2	-.0060	.0087	-.0038	-.0128	.0217	-.0088	.0025	-.0364	.0214

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0057**	**.0601**	**-.0088**	**.0297**	**-.2426**	**11.10**	**-.0010**	**-.1757**	**-.0006**
Stddev	.0001	.0359	.0191	.0048	.0002	.01	.0010	.0003	.0002
%RSD	1.495	59.79	216.6	16.18	.0752	.1028	108.0	.1468	40.02
#1	.0057	.0854	-.0224	.0263	-.2425	11.11	-.0017	-.1759	-.0008
#2	.0056	.0347	.0047	.0331	-.2427	11.09	-.0002	-.1755	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0149**	**-.0162**	**.0078**	**-.0843**	**-.0012**	**.0003**
Stddev	.0000	.0002	.0006	.0000	.0001	.0003	.0002
%RSD	29.76	1.574	3.742	.3913	.0772	20.49	74.37
#1	.0001	-.0151	-.0157	.0078	-.0844	-.0014	.0001
#2	.0001	-.0147	-.0166	.0078	-.0843	-.0011	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86570.**	**15486.**	**1975.4**	**6534.1**
Stddev	132.	2.	.6	2.5
%RSD	.15303	.00974	.03054	.03768
#1	86477.	15485.	1975.0	6535.9
#2	86664.	15487.	1975.8	6532.4

Zoom In Zoom Out

Sample Name: sconf Acquired: 6/26/2014 6:20:25 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0000**	**-.0001**	**.0000**	**-.0007**	**.0000**	**-.0001**	**-.0006**
Stddev	.0000	.000	.0002	.0002	.000	.0004	.000	.0003	.0001
%RSD	53.54	93.58	1541.	177.9	827.8	54.65	692.0	326.0	10.45
#1	.0001	-.0001	.0002	.0000	-.0001	-.0009	.0000	.0001	-.0007
#2	.0000	.0000	-.0001	-.0002	.0001	-.0004	.0000	-.0003	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0003**	**-.0010**	**.0005**	**-.0008**	**-.0017**	**.0036**	**-.0013**	**-.0036**
Stddev	.0002	.0002	.0003	.0008	.0002	.0010	.0000	.0082	.0003
%RSD	292.5	44.99	30.03	151.9	21.35	59.59	.3420	653.3	7.998
#1	-.0001	.0004	-.0008	.0000	-.0007	-.0010	.0036	-.0070	-.0038
#2	.0002	.0002	-.0013	.0011	-.0010	-.0024	.0036	.0045	-.0034

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0053**	**.0142**	**-.0230**	**-.0069**	**-.0002**	**.0075**	**.0001**	**.0091**	**-.0002**
Stddev	.0011	.0082	.0071	.0047	.0004	.0016	.0010	.0005	.0007
%RSD	21.64	57.56	30.94	67.78	270.0	21.13	869.6	5.082	344.4
#1	.0061	.0084	-.0280	-.0036	-.0005	.0086	.0008	.0088	-.0007
#2	.0045	.0200	-.0179	-.0102	.0001	.0064	-.0006	.0094	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0001**	**-.0155**	**.0087**	**92.61**	**-.0007**	**.0004**
Stddev	.0000	.0002	.0005	.0000	.26	.0006	.0004
%RSD	7.688	153.2	2.954	.1123	.2778	76.21	88.51
#1	.0000	.0000	-.0158	.0086	92.79	-.0011	.0006
#2	.0000	-.0002	-.0152	.0087	92.43	-.0003	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86605.**	**15979.**	**1994.8**	**6580.7**
Stddev	18.	590.	5.0	7.1
%RSD	.02113	3.6896	.25294	.10845
#1	86592.	15562.	1998.4	6585.7
#2	86618.	16396.	1991.3	6575.6

Zoom In Zoom Out

Sample Name: vconf Acquired: 6/26/2014 6:26:44 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0028**	**.0005**	**-.0002**	**.0008**	**-.0032**	**-.0007**	**-.0002**	**.0029**
Stddev	.0000	.0001	.0001	.0001	.0001	.0001	.0000	.0001	.0003
%RSD	33.27	3.159	16.72	41.30	10.67	3.821	.5695	75.85	11.09
#1	.0001	.0028	.0005	-.0002	.0008	-.0033	-.0007	-.0003	.0031
#2	.0001	.0027	.0004	-.0003	.0009	-.0031	-.0007	-.0001	.0026

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**9.846**	**.0013**	**.0018**	**.0001**	**-.0007**	**.0005**	**.0003**	**.0009**	**.0137**
Stddev	.021	.0001	.0006	.0018	.0015	.0014	.0003	.0025	.0009
%RSD	.2169	5.605	33.51	1490.	206.7	266.8	93.02	271.1	6.264
#1	9.831	.0013	.0022	-.0011	-.0018	.0015	.0001	.0026	.0131
#2	9.861	.0014	.0014	.0014	.0003	-.0005	.0005	-.0008	.0143

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0057**	**.0113**	**-.0483**	**-.0106**	**-.0005**	**-.0010**	**-.0018**	**.0301**	**-.0005**
Stddev	.0002	.0037	.0016	.0024	.0002	.0000	.0002	.0005	.0007
%RSD	3.195	32.59	3.252	22.64	29.29	3.025	10.36	1.693	143.4
#1	.0059	.0087	-.0494	-.0124	-.0004	-.0010	-.0016	.0297	-.0009
#2	.0056	.0139	-.0472	-.0089	-.0006	-.0010	-.0019	.0305	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0003**	**-.0262**	**-.0009**	**.0130**	**-.0105**	**.0005**
Stddev	.0000	.0002	.0000	.0000	.0019	.0004	.0002
%RSD	15.08	61.09	.1090	4.980	14.88	3.396	46.07
#1	.0000	-.0005	-.0263	-.0009	.0144	-.0102	.0004
#2	.0000	-.0002	-.0262	-.0009	.0117	-.0107	.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86665.**	**15417.**	**1975.3**	**6514.1**
Stddev	29.	33.	6.5	19.8
%RSD	.03363	.21356	.32956	.30393
#1	86686.	15394.	1979.9	6528.1
#2	86645.	15440.	1970.7	6500.1

Zoom In Zoom Out

Sample Name: mnconf Acquired: 6/26/2014 6:33:02 Type: Unk
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0003**	**-.0001**	**.0003**	**-.0003**	**-.0005**	**-.0013**	**9.871**	**.0008**	**.0010**
Stddev	.0002	.0000	.0000	.0001	.0000	.0003	.004	.0001	.0001
%RSD	60.71	2.027	8.377	38.01	4.879	19.70	.0410	13.82	8.595
#1	.0004	-.0001	.0003	-.0003	-.0005	-.0015	9.874	.0009	.0009
#2	.0001	-.0001	.0003	-.0002	-.0005	-.0011	9.868	.0007	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0061**	**.0053**	**-.0004**	**.0000**	**.0007**	**-.0006**	**.0019**	**-.0002**	**.0261**
Stddev	.0002	.0000	.0003	.0008	.0003	.0009	.0004	.0054	.0015
%RSD	2.989	.8081	70.25	2036.	34.83	150.3	20.11	2231.	5.592
#1	.0060	.0052	-.0006	.0006	.0009	-.0012	.0021	.0036	.0271
#2	.0063	.0053	-.0002	-.0005	.0005	.0000	.0016	-.0041	.0251

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0049**	**-.0250**	**-.0223**	**-.0044**	**-.0004**	**-.0005**	**-.0004**	**-.0139**	**.0005**
Stddev	.0002	.0181	.0042	.0024	.0000	.0002	.0003	.0014	.0000
%RSD	3.769	72.39	18.94	55.70	7.592	43.24	81.04	10.20	1.969
#1	.0050	-.0122	-.0253	-.0026	-.0005	-.0003	-.0006	-.0149	.0005
#2	.0048	-.0377	-.0193	-.0061	-.0004	-.0006	-.0002	-.0129	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0163**	**-.0011**	**-.0063**	**-.0006**	**-.0001**
Stddev	.0000	.000	.0003	.0000	.0002	.0002	.0001
%RSD	34.67	1492.	1.886	3.524	3.854	37.11	91.94
#1	.0001	.0000	-.0165	-.0011	-.0061	-.0005	-.0002
#2	.0000	-.0001	-.0161	-.0011	-.0065	-.0008	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**86139.**	**15307.**	**1971.9**	**6511.7**
Stddev	33.	44.	1.2	1.8
%RSD	.03809	.28577	.05929	.02779
#1	86115.	15276.	1971.1	6510.4
#2	86162.	15337.	1972.8	6513.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 6:39:27 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.005**	**1.955**	**1.985**	**1.879**	**1.901**	**2.015**	**2.075**	**.2400**
Stddev	.002	.000	.009	.006	.067	.063	.070	.005	.0074
%RSD	.1179	.0170	.4719	.3246	3.589	3.300	3.447	.2545	3.083
#1	2.018	2.006	1.948	1.980	1.926	1.946	2.064	2.071	.2453
#2	2.015	2.005	1.962	1.989	1.831	1.857	1.966	2.079	.2348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.919**	**2.068**	**2.024**	**2.061**	**2.038**	**2.010**	**2.035**	**41.22**	**38.54**
Stddev	.065	.004	.014	.006	.003	.007	.010	.03	.02
%RSD	3.380	.2021	.6725	.2744	.1681	.3472	.5089	.0677	.0533
#1	1.965	2.065	2.015	2.057	2.036	2.005	2.028	41.24	38.52
#2	1.873	2.071	2.034	2.065	2.040	2.015	2.042	41.20	38.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.39**	**38.33**	**40.13**	**43.52**	**2.007**	**2.014**	**1.894**	**5.223**	**2.025**
Stddev	.04	.02	.00	.09	.012	.011	.060	.025	.008
%RSD	.1062	.0576	.0040	.2074	.6169	.5432	3.148	.4698	.4102
#1	39.42	38.34	40.13	43.58	1.998	2.006	1.936	5.206	2.019
#2	39.36	38.31	40.13	43.45	2.015	2.021	1.852	5.241	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

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Sample Name: ccv Acquired: 6/26/2014 6:39:27 Type: QC
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Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.002**	**1.916**	**1.883**	**1.899**	**1.997**	**2.030**	**2.059**
Stddev	.001	.068	.017	.064	.009	.006	.000
%RSD	.0671	3.522	.8993	3.378	.4394	.2746	.0017
#1	2.001	1.964	1.871	1.945	1.990	2.026	2.059
#2	2.003	1.868	1.895	1.854	2.003	2.034	2.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81896.**	**15117.**	**1883.7**	**5876.1**
Stddev	2320.	.	7.4	16.2
%RSD	2.8330	.00242	.39106	.27513
#1	80255.	15117.	1888.9	5887.6
#2	83537.	15117.	1878.5	5864.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 6:45:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0003**	**.0002**	**.0001**	**-.0002**	**.0004**	**.0003**	**-.0005**
Stddev	.0001	.0000	.0001	.0003	.0003	.0000	.0001	.0000	.0003
%RSD	24.59	6.781	36.13	164.2	434.3	24.19	22.60	10.60	59.88
#1	.0002	.0002	.0002	.0004	.0003	-.0001	.0003	.0004	-.0003
#2	.0003	.0002	.0004	.0000	-.0002	-.0002	.0004	.0003	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	F **.0023**	**-.0002**	**.0009**	**.0005**	**-.0003**	**.0022**	**.0054**	**.0087**
Stddev	.0001	.0002	.0006	.0001	.0002	.0014	.0002	.0038	.0037
%RSD	18.63	9.535	260.0	7.434	46.82	498.6	9.138	71.49	42.64
#1	.0004	.0025	-.0007	.0009	.0003	-.0013	.0024	.0081	.0061
#2	.0005	.0022	.0002	.0008	.0007	.0007	.0021	.0027	.0114
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020							
Low Limit		-.0020							

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063**	**.0287**	**-.0138**	**-.0061**	**.0014**	**.0014**	**-.0001**	**.0051**	**.0003**
Stddev	.0022	.0162	.0068	.0003	.0001	.0003	.0002	.0004	.0003
%RSD	35.36	56.41	48.97	5.493	9.338	23.43	108.9	8.781	83.88
#1	.0047	.0173	-.0090	-.0058	.0015	.0016	.0000	.0047	.0005
#2	.0079	.0402	-.0186	-.0063	.0013	.0011	-.0003	.0054	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 6:45:31 Type: QC
Method: Accutest1(v199) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**-.0052**	**.0003**	**.0009**	**-.0011**	**.0009**
Stddev	.0000	.0002	.0012	.0001	.0001	.0001	.0001
%RSD	23.14	134.3	22.87	16.68	12.35	7.436	15.18
#1	.0002	.0000	-.0043	.0003	.0008	-.0011	.0008
#2	.0003	.0003	-.0060	.0004	.0010	-.0012	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**86615.**	**15327.**	**1982.6**	**6546.9**
Stddev	22.	80.	4.3	7.5
%RSD	.02496	.51960	.21780	.11492
#1	86630.	15271.	1985.7	6552.2
#2	86600.	15383.	1979.6	6541.6

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000000	0.000000	No
				Al	0.000002	0.000000	No
				Zr	0.001000	0.000000	No
	Be 313.042 {108}	☒	12	V	0.000635	0.000000	No
				Mo	-0.000040	0.000000	No
				Ti	-0.001052	0.000000	No
				Mn	0.000016	0.000000	No
				Ba	-0.000013	0.000000	No
				Zn	0.000010	0.000000	No
				Sb	0.000079	0.000000	No
				Ag	0.000060	0.000000	No
				Sn	0.000010	0.000000	No
				Cu	0.000005	0.000000	No
				W	0.000000	0.000000	No
				K	-0.000020	0.000000	No
	Cd 228.802 {448}	☒	16	As	0.003636	0.000000	No
				Ni	-0.000550	0.000000	No
				Fe	0.000017	0.000000	No
				Ba	0.000150	0.000000	No
				Co	-0.000224	0.000000	No
				Zn	0.000000	0.000000	No
				Al	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000014	0.000000	No
				Mo	0.000002	0.000000	No
				Ti	-0.000049	0.000000	No
				Cu	-0.000010	0.000000	No
				Sr	-0.000050	0.000000	No
				Zr	0.000000	0.000000	No
				W	0.000000	0.000000	No
	Co 228.616 {448}	☒	7	Fe	-0.000001	0.000000	No
				Cr	0.000000	0.000000	No
				Ba	0.000006	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	-0.000002	0.000000	No
				Ti	0.001770	0.000000	No
				Mo	-0.000500	0.000000	No
	Cr 267.716 {126}	☒	9	Mn	0.000330	0.000000	No
				Mo	-0.000053	0.000000	No
				Fe	-0.000009	0.000000	No
				Co	0.000160	0.000000	No
				Al	0.000000	0.000000	No
				Sn	-0.000070	0.000000	No
				Ti	-0.000058	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.001783	0.000000	No
	Cu 324.754 {104}2	☒	12	Cr	-0.000025	0.000000	No
				Mo	0.000302	0.000000	No
				Ti	-0.000143	0.000000	No
				Mn	0.000086	0.000000	No
				Co	-0.000957	0.000000	No
				Zn	0.000037	0.000000	No
				Fe	-0.000128	0.000000	No
				Zr	0.000100	0.000000	No
				V	-0.000050	0.000000	No
				Ca	-0.000005	0.000000	No
				Ni	-0.000020	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	☒	6	Fe	-0.000006	0.000000	No
				Ti	0.000095	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000000	0.000000	No
			Mo	-0.000160	0.000000	No
			As	0.000400	0.000000	No
			W	0.000000	0.000000	No
Ni 231.604 {446}	☒	8	Cr	-0.000028	0.000000	No
			Mo	-0.000065	0.000000	No
			Fe	0.000075	0.000000	No
			Zn	0.000017	0.000000	No
			Co	-0.000423	0.000000	No
			Cu	0.000152	0.000000	No
			Ti	0.000120	0.000000	No
			W	-0.000260	0.000000	No
Ag 328.068 {103}	☒	17	Mn	0.000142	0.000000	No
			Mo	-0.000012	0.000000	No
			Ti	-0.000070	0.000000	No
			V	-0.009700	0.000000	No
			Zr	0.007600	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	-0.000045	0.000000	No
			Al	-0.000002	0.000000	No
			Zn	0.000000	0.000000	No
			Ba	0.000090	0.000000	No
			Ni	-0.000021	0.000000	No
			Cr	0.000005	0.000000	No
			As	-0.000089	0.000000	No
			B	0.000001	0.000000	No
			W	0.000000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000032	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.007850	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.004320	0.000000	No
			Mn	-0.000700	0.000000	No
Zn 206.200 {464}	☒	15	Cr	-0.000400	0.000000	No
			Mo	-0.000350	0.000000	No
			Fe	-0.000005	0.000000	No
			Co	0.000122	0.000000	No
			Ni	0.000058	0.000000	No
			Se	0.000141	0.000000	No
			Ba	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.000085	0.000000	No
			Sn	0.000068	0.000000	No
			V	0.000230	0.000000	No
			Sr	0.000000	0.000000	No
			Al	0.000004	0.000000	No
			Bi	-0.001125	0.000000	No
			Si	-0.000400	0.000000	No
As 189.042 {478}	☒	21	Al	0.000015	0.000000	No
			Fe	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.007010	0.000000	No
			Cr	0.003900	0.000000	No
			Co	0.000010	0.000000	No
			Si	-0.000009	0.000000	No
			Cu	-0.000074	0.000000	No
			Pd	0.033140	0.000000	No
			K	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mg	0.000004	0.000000	No
			Cd	-0.000016	0.000000	No
			Sn	0.000067	0.000000	No
			Zn	-0.000115	0.000000	No
			Zr	0.000000	0.000000	No
			Sb	0.000022	0.000000	No
			Ti	-0.000203	0.000000	No
			B	0.000001	0.000000	No
			S	-0.000001	0.000000	No
			W	0.000000	0.000000	No
Tl 190.856 {477}	☒	27	Cr	0.000283	0.000000	No
			Mo	-0.001900	0.000000	No
			Al	-0.000006	0.000000	No
			V	-0.006800	0.000000	No
			Mn	0.000900	0.000000	No
			Si	-0.000050	0.000000	No
			Ca	0.000008	0.000000	No
			Ti	-0.000500	0.000000	No
			Cu	-0.000095	0.000000	No
			Co	0.012300	0.000000	No
			Sr	0.000000	0.000000	No
			Zn	-0.000060	0.000000	No
			Pb	-0.000090	0.000000	No
			Mg	-0.000009	0.000000	No
			Ba	-0.000100	0.000000	No
			Sb	0.000004	0.000000	No
			W	0.000000	0.000000	No
			B	-0.000433	0.000000	No
			Pd	-0.000032	0.000000	No
			Ni	0.000030	0.000000	No
			Sn	0.000100	0.000000	No
			Fe	-0.000108	0.000000	No
			Li	0.000009	0.000000	No
			S	0.000020	0.000000	No
			Na	-0.000001	0.000000	No
			K	0.000070	0.000000	No
			As	0.000200	0.000000	No
Pb 220.353 {453}	☒	22	Al	-0.000094	0.000000	No
			Ca	0.000003	0.000000	No
			Mn	0.000140	0.000000	No
			Zn	0.000027	0.000000	No
			Mo	-0.002550	0.000000	No
			Ni	0.000129	0.000000	No
			Cu	0.000370	0.000000	No
			V	-0.000006	0.000000	No
			Co	0.000016	0.000000	No
			Ti	0.000000	0.000000	No
			Si	-0.000140	0.000000	No
			Mg	0.000004	0.000000	No
			K	0.000000	0.000000	No
			Pd	0.000500	0.000000	No
			Sb	0.000109	0.000000	No
			Cr	-0.000066	0.000000	No
			Sn	0.000070	0.000000	No
			Fe	0.000043	0.000000	No
			W	0.007000	0.000000	No
			Zr	0.000000	0.000000	No
			S	0.000010	0.000000	No
			Sr	-0.000497	0.000000	No
Se 196.090 {472}	☒	18	Al	-0.000002	0.000000	No
			Ca	-0.000011	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mn	0.000345	0.000000	No
				Mo	0.000988	0.000000	No
				Co	-0.000140	0.000000	No
				Cu	-0.000107	0.000000	No
				Mg	-0.000001	0.000000	No
				Ti	0.000100	0.000000	No
				Sb	-0.000010	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	-0.000178	0.000000	No
				Si	-0.000317	0.000000	No
				B	-0.000043	0.000000	No
				Ba	0.000050	0.000000	No
				S	0.000010	0.000000	No
				W	0.010000	0.000000	No
				Zr	-0.000833	0.000000	No
				V	0.000600	0.000000	No
	Sb 206.833 {463}	☒	19	Fe	0.000010	0.000000	No
				Al	0.000021	0.000000	No
				Ca	-0.000003	0.000000	No
				Ni	-0.000078	0.000000	No
				Cr	0.019300	0.000000	No
				V	-0.000140	0.000000	No
				Zn	-0.000104	0.000000	No
				Mo	-0.001580	0.000000	No
				Ti	0.002160	0.000000	No
				Sn	-0.015034	0.000000	No
				Mn	-0.000060	0.000000	No
				Co	-0.000121	0.000000	No
				Se	-0.000252	0.000000	No
				Zr	-0.000300	0.000000	No
				W	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Si	0.000000	0.000000	No
				Mg	0.000006	0.000000	No
				S	-0.000016	0.000000	No
	Al 396.152 { 85}	☒	8	Ca	0.000100	0.000000	No
				Mo	0.036700	0.000000	No
				Ti	-0.006610	0.000000	No
				Si	0.001149	0.000000	No
				Co	-0.000115	0.000000	No
				Li	-0.001000	0.000000	No
				W	0.000000	0.000000	No
				Ba	0.004500	0.000000	No
	Ca 317.933 {106}	☒	5	Al	0.000043	0.000000	No
				Fe	0.000078	0.000000	No
				Mg	0.000071	0.000000	No
				Ti	-0.000042	0.000000	No
				Co	0.001850	0.000000	No
	Fe 259.940 {130}	☒	11	Cr	0.000237	0.000000	No
				Zn	0.000466	0.000000	No
				Al	0.000017	0.000000	No
				Co	0.002732	0.000000	No
				Cd	0.000700	0.000000	No
				Sn	-0.000019	0.000000	No
				Ti	-0.000710	0.000000	No
				Si	0.000053	0.000000	No
				Ca	0.000012	0.000000	No
				Ba	0.000400	0.000000	No
				V	0.000000	0.000000	No
	Mg 279.079 {121}	☒	4	Al	0.000000	0.000000	No
				Mo	-0.018810	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Pb	0.000002	0.000000	No
			Fe	0.000000	0.000000	No
K 766.490 { 44}	☒	1	Mg	0.000000	0.000000	No
Na 589.592 { 57}	☒	1	Al	0.000039	0.000000	No
B 208.959 {462}	☒	4	Mo	0.040650	0.000000	No
			Al	0.000008	0.000000	No
			Ti	-0.000001	0.000000	No
			Pd	0.000630	0.000000	No
Mo 202.030 {467}	☒	8	Ti	0.000300	0.000000	No
			Pd	0.000018	0.000000	No
			Al	-0.000011	0.000000	No
			Mg	-0.000005	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000006	0.000000	No
			V	-0.000100	0.000000	No
			W	-0.004932	0.000000	No
Pd 340.458 { 99}	☒	8	Ti	-0.000950	0.000000	No
			Co	-0.001657	0.000000	No
			Sn	-0.000700	0.000000	No
			Sb	0.000160	0.000000	No
			Si	0.000010	0.000000	No
			Fe	-0.000025	0.000000	No
			Mo	-0.000260	0.000000	No
			Zr	0.003000	0.000000	No
Si 212.412 {459}	☒	11	Mn	0.003820	0.000000	No
			Fe	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ni	0.000391	0.000000	No
			Cd	0.001794	0.000000	No
			Cr	-0.000450	0.000000	No
			Mo	0.025500	0.000000	No
			Ti	0.059700	0.000000	No
			Ba	0.000825	0.000000	No
			Sn	0.003490	0.000000	No
			W	0.000000	0.000000	No
Sn 189.989 {478}	☒	4	Ti	-0.001660	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.000006	0.000000	No
			Mo	0.000058	0.000000	No
Sr 407.771 { 83}	☒	3	Ca	0.000032	0.000000	No
			Pd	0.000168	0.000000	No
			Ti	0.000000	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.001620	0.000000	No
			Zr	0.000002	0.000000	No
			W	-0.005996	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	4	Al	-0.000024	0.000000	No
			V	0.001000	0.000000	No
			Zn	0.010800	0.000000	No
			Fe	-0.000050	0.000000	No
Zr 339.198 { 99}	☒	16	Fe	-0.000058	0.000000	No
			Si	0.000088	0.000000	No
			Ba	-0.000049	0.000000	No
			Sn	0.000047	0.000000	No
			Sb	-0.000067	0.000000	No
			V	0.000030	0.000000	No
			W	0.000500	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				S	-0.000097	0.000000	No
				Ti	0.000032	0.000000	No
				Mg	0.000000	0.000000	No
				Al	-0.000027	0.000000	No
				Ca	-0.000000	0.000000	No
				Li	0.000038	0.000000	No
				Bi	0.000163	0.000000	No
				Ag	0.004400	0.000000	No
				Mn	0.000059	0.000000	No
	S 182.034 {485}	☒	6	Ca	0.000065	0.000000	No
				Mo	0.001000	0.000000	No
				Al	-0.000022	0.000000	No
				Fe	0.000021	0.000000	No
				Mn	0.003600	0.000000	No
				W	-0.038955	0.000000	No
	Bi 223.061 {451}	☒	2	Fe	0.000038	0.000000	No
				Ti	-0.003722	0.000000	No
	Li 670.784 { 50}	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.002171	2.792218	0.000000	1.000000
Be 313.042 {108}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000289	2.855360	0.000000	1.000000
Cd 228.802 {448}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000522	1.173769	0.000000	1.000000
Co 228.616 {448}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000271	0.385159	0.000000	1.000000
Cr 267.716 {126}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000023	0.094153	0.000000	1.000000
Cu 324.754 {104}2	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.004576	0.357913	0.000000	1.000000
Mn 257.610 {131}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000022	0.189468	0.000000	1.000000
Ni 231.604 {446}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000332	0.240410	0.000000	1.000000
Ag 328.068 {103}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000383	0.140629	0.000000	1.000000
V 292.402 {115}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000091	0.186959	0.000000	1.000000
Zn 206.200 {464}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000255	0.809387	0.000000	1.000000
As 189.042 {478}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000752	0.154295	0.000000	1.000000
Tl 190.856 {477}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000209	0.041113	0.000000	1.000000
Pb 220.353 {453}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000264	0.132905	0.000000	1.000000
Se 196.090 {472}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000823	0.103960	0.000000	1.000000
Sb 206.833 {463}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.001246	0.215185	0.000000	1.000000
Al 396.152 { 85}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000625	0.041210	0.000000	1.000000
Ca 317.933 {106}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.003463	0.061708	0.000000	1.000000
Fe 259.940 {130}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000015	0.032114	0.000000	1.000000
Mg 279.079 {121}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000075	0.005115	0.000000	1.000000
K 766.490 { 44}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.001916	0.025098	0.000000	1.000000
Na 589.592 { 57}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.003050	0.067886	0.000000	1.000000
B 208.959 {462}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000628	0.241642	0.000000	1.000000
Mo 202.030 {467}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.002433	1.133098	0.000000	1.000000
Pd 340.458 { 99}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000057	0.075522	0.000000	1.000000
Si 212.412 {459}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.003545	0.226311	0.000000	1.000000
Sn 189.989 {478}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000422	0.168927	0.000000	1.000000
Sr 407.771 { 83}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000242	3.865965	0.000000	1.000000
Ti 334.904 {101}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000171	0.193934	0.000000	1.000000
Y 360.073 { 94}*	6/26/2014 10:19:03	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/26/2014 10:19:03	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/26/2014 10:19:03	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/26/2014 10:19:03	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.013063	0.553080	0.000000	1.000000
Zr 339.198 { 99}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000063	0.514663	0.000000	1.000000
S 182.034 {485}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	0.000140	0.070864	0.000000	1.000000
Bi 223.061 {451}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.000250	0.349783	0.000000	1.000000
Li 670.784 { 50}	6/26/2014 10:19:03	6/25/2014 12:31:33	Linear	1/Conc	-0.001353	0.671712	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000166	0.000553	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000057	0.000189	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000184	0.000613	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000264	0.000881	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000379	0.001264	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000264	0.000881	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000070	0.000232	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000373	0.001242	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000424	0.001412	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000275	0.000915	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000231	0.000769	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001139	0.003796	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001675	0.005583	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001040	0.003466	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002065	0.006884	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001269	0.004230	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.008339	0.027797	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.002966	0.009887	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002807	0.009358	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.022407	0.074690	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.027734	0.092447	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.009481	0.031604	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000707	0.002357	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000204	0.000680	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.000989	0.003295	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001122	0.003740	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000851	0.002837	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000074	0.000248	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000370	0.001233	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	0.000796	0.002654	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	0.002186	0.007287	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	0.004215	0.014050	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.000868	0.002894	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000139	0.000465	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.002495	0.008316	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001048	0.003495	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001005	0.003350	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 6/26/2014 12:57:43 Type: Cal
Method: Accutest1(v206) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0024**	**.0004**	**.0004**	**-.0003**	**.0000**	**.0035**	**.0000**	**-.0001**	**.0000**
Stddev	.0004	.0001	.0001	.0001	.0000	.0000	.0000	.0000	.0000
%RSD	16.15	15.01	19.43	19.92	207.1	.0950	5.666	22.59	2.866
#1	.0022	.0005	.0003	-.0003	.0000	.0035	.0000	-.0002	.0000
#2	.0027	.0004	.0005	-.0004	.0000	.0035	.0000	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0002**	**.0006**	**-.0002**	**-.0002**	**.0006**	**-.0003**	**.0009**	**.0032**
Stddev	.000	.0000	.0000	.0000	.0001	.0001	.0000	.0005	.0001
%RSD	3.204	31.83	7.031	10.92	48.85	20.02	1.879	51.11	3.182
#1	.0000	.0002	.0006	-.0002	-.0002	.0005	-.0003	.0006	.0033
#2	.0000	.0001	.0005	-.0002	-.0001	.0007	-.0003	.0012	.0032

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0001**	**.0019**	**.0039**	**.0007**	**.0017**	**-.0001**	**.0081**	**.0003**
Stddev	.0000	.0000	.0001	.0001	.0000	.0000	.0000	.0000	.0000
%RSD	54.49	16.76	4.002	1.341	.0010	1.657	.2692	.5671	5.775
#1	.0001	.0001	.0020	.0040	.0007	.0017	-.0001	.0081	.0003
#2	.0000	.0001	.0019	.0039	.0007	.0017	-.0001	.0081	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**-.0001**	**.0098**	**.0000**	**.0004**	**-.0010**	**-.0004**
Stddev	.0000	.0000	.0002	.000	.0001	.0002	.0003
%RSD	13.86	20.77	2.200	187.5	32.43	20.40	62.96
#1	-.0003	-.0001	.0100	.0000	.0003	-.0012	-.0006
#2	-.0002	-.0002	.0097	-.0001	.0004	-.0009	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104940.**	**13740.**	**1972.1**	**6733.3**
Stddev	387.	34.	6.3	2.8
%RSD	.36832	.24622	.32075	.04128
#1	104670.	13716.	1976.6	6735.3
#2	105210.	13764.	1967.7	6731.4

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 6/26/2014 13:03:59 Type: Cal
Method: Accutest1(v206) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**12.76**	**12.39**	**4.632**	**1.497**	**.3013**	**1.183**	**.8294**	**1.150**	**.0719**
Stddev	.01	.01	.017	.004	.0010	.001	.0026	.003	.0003
%RSD	.0742	.1033	.3702	.2992	.3445	.1108	.3108	.2788	.3882
#1	12.77	12.40	4.644	1.500	.3006	1.182	.8276	1.152	.0717
#2	12.76	12.38	4.620	1.494	.3021	1.183	.8312	1.148	.0721

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.5992**	**3.671**	**.8537**	**.1643**	**.5227**	**.5002**	**1.135**	**4.249**	**5.230**
Stddev	.0017	.007	.0025	.0005	.0015	.0024	.004	.004	.010
%RSD	.2860	.2042	.2971	.2948	.2784	.4779	.3705	.0945	.1871
#1	.5980	3.676	.8555	.1639	.5237	.5019	1.138	4.246	5.223
#2	.6004	3.666	.8519	.1646	.5216	.4985	1.132	4.251	5.237

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.173**	**.4263**	**2.546**	**9.328**	**1.149**	**4.498**	**.2740**	**3.339**	**.6991**
Stddev	.000	.0005	.002	.004	.004	.011	.0007	.013	.0015
%RSD	.0114	.1264	.0852	.0486	.3088	.2329	.2611	.4025	.2075
#1	3.173	.4259	2.544	9.332	1.152	4.505	.2735	3.348	.7001
#2	3.173	.4266	2.547	9.325	1.147	4.490	.2745	3.329	.6980

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**17.44**	**.6538**	**2.211**	**1.640**	**.3352**	**1.650**	**3.793**
Stddev	.17	.0007	.000	.002	.0005	.007	.005
%RSD	.9733	.1070	.0156	.0904	.1358	.4094	.1212
#1	17.56	.6534	2.211	1.639	.3349	1.655	3.790
#2	17.32	.6543	2.211	1.641	.3355	1.645	3.796

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92973.**	**13293.**	**1800.0**	**5691.5**
Stddev	70.	21.	6.1	17.8
%RSD	.07540	.15948	.33951	.31309
#1	93023.	13308.	1795.7	5678.9
#2	92924.	13278.	1804.4	5704.1

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/26/2014 13:10:07 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**2.036**	**2.004**	**2.009**	**1.997**	**1.976**	**2.045**	**2.030**	**.2455**
Stddev	.004	.002	.000	.003	.004	.001	.004	.002	.0000
%RSD	.1942	.0824	.0096	.1612	.2228	.0442	.1838	.0957	.0059
#1	2.011	2.037	2.004	2.011	2.000	1.977	2.048	2.031	.2454
#2	2.006	2.035	2.004	2.007	1.994	1.976	2.042	2.029	.2455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**2.047**	**1.981**	**2.069**	**2.034**	**1.986**	**1.982**	**39.75**	**39.90**
Stddev	.000	.004	.001	.006	.001	.005	.006	.18	.09
%RSD	.0086	.1983	.0690	.3165	.0374	.2327	.3044	.4424	.2315
#1	2.006	2.050	1.980	2.064	2.035	1.982	1.986	39.87	39.83
#2	2.005	2.045	1.982	2.073	2.034	1.989	1.978	39.63	39.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.48**	**39.58**	**39.80**	**40.14**	**2.008**	**2.026**	**1.964**	**4.963**	**2.043**
Stddev	.05	.17	.13	.16	.002	.003	.001	.005	.001
%RSD	.1306	.4238	.3390	.3908	.1034	.1489	.0295	.1004	.0417
#1	40.45	39.46	39.90	40.25	2.009	2.028	1.963	4.967	2.044
#2	40.52	39.69	39.71	40.03	2.006	2.024	1.964	4.960	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

◀ Zoom In ▶ Zoom Out

Sample Name: ccvconf Acquired: 6/26/2014 13:10:07 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**2.001**	**1.953**	**1.984**	**1.952**	**1.987**	**1.968**
Stddev	.002	.004	.002	.001	.011	.002	.002
%RSD	.0798	.1914	.0798	.0609	.5416	.0851	.1068
#1	2.016	2.004	1.952	1.985	1.944	1.988	1.970
#2	2.019	1.998	1.954	1.984	1.959	1.986	1.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**96558.**	**13422.**	**1872.3**	**5965.6**
Stddev	3.	13.	.2	2.4
%RSD	.00288	.09953	.01329	.04072
#1	96556.	13432.	1872.1	5963.8
#2	96560.	13413.	1872.5	5967.3

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/26/2014 13:16:09 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0001**	**.0000**	**-.0001**	**-.0002**	**.0000**	**-.0001**	**-.0001**
Stddev	.0000	.000	.0001	.000	.0001	.0000	.000	.0001	.0000
%RSD	22.35	149.0	84.66	1203.	207.5	13.78	73.97	118.2	41.01
#1	.0001	.0000	-.0001	.0001	.0000	-.0002	.0000	-.0001	-.0001
#2	.0001	.0000	.0000	-.0001	-.0001	-.0002	.0000	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0001**	**.0010**	**.0007**	**-.0010**	**-.0002**	**.0005**	**-.0081**	**-.0002**
Stddev	.0002	.0001	.0001	.0010	.0010	.0003	.0001	.0027	.0002
%RSD	162.8	99.36	11.48	137.0	105.9	122.1	20.93	33.30	146.3
#1	-.0003	.0000	.0011	.0000	-.0017	-.0004	.0005	-.0062	-.0003
#2	.0000	.0002	.0009	.0014	-.0002	.0000	.0004	-.0100	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0065**	**.0378**	**.0060**	**.0025**	F **.0022**	**.0008**	**.0007**	**.0013**
Stddev	.0008	.0113	.0016	.0052	.0003	.0005	.0004	.0004	.0007
%RSD	199.9	174.6	4.318	87.54	12.44	23.00	44.54	57.59	56.18
#1	.0010	.0015	.0390	.0096	.0027	.0026	.0011	.0009	.0008
#2	-.0002	-.0144	.0367	.0023	.0023	.0019	.0006	.0004	.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 6/26/2014 13:16:09 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0003**	F **.0144**	**.0005**	**-.0003**	**-.0003**	**-.0001**
Stddev	.0000	.0002	.0027	.0001	.0004	.0006	.0008
%RSD	21.04	48.98	18.62	22.96	123.0	225.6	969.0
#1	.0001	.0002	.0163	.0004	-.0006	-.0007	.0005
#2	.0001	.0005	.0125	.0006	.0000	.0001	-.0007
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123				
Low Limit			-.0123				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103930.**	**13603.**	**1969.7**	**6707.6**
Stddev	435.	32.	5.3	25.6
%RSD	.41898	.23846	.27060	.38124
#1	103620.	13626.	1965.9	6689.6
#2	104240.	13580.	1973.5	6725.7

Zoom In Zoom Out

Sample Name: icv Acquired: 6/26/2014 13:22:29 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.954**	**1.980**	**1.990**	**1.993**	**1.960**	**1.919**	**2.000**	**2.013**	**.2397**
Stddev	.002	.003	.019	.020	.007	.001	.006	.021	.0002
%RSD	.1002	.1666	.9628	.9958	.3594	.0698	.2993	1.044	.0813
#1	1.953	1.983	1.977	1.979	1.955	1.920	1.996	1.998	.2396
#2	1.955	1.978	2.004	2.007	1.965	1.918	2.004	2.027	.2399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.955**	**2.031**	**1.963**	**2.041**	**2.014**	**1.967**	**1.964**	**38.50**	**39.23**
Stddev	.004	.022	.018	.025	.019	.019	.016	.03	.19
%RSD	.1818	1.078	.9383	1.248	.9223	.9699	.7973	.0861	.4919
#1	1.953	2.015	1.950	2.023	2.001	1.954	1.953	38.52	39.37
#2	1.958	2.046	1.976	2.059	2.027	1.981	1.975	38.48	39.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.56**	**38.80**	**38.79**	**38.92**	**1.990**	**2.003**	**1.913**	**4.917**	**2.030**
Stddev	.12	.10	.07	.01	.022	.021	.001	.046	.015
%RSD	.2921	.2484	.1852	.0178	1.097	1.053	.0486	.9399	.7158
#1	39.64	38.87	38.84	38.92	1.975	1.988	1.914	4.884	2.019
#2	39.48	38.74	38.74	38.93	2.006	2.018	1.913	4.949	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 6/26/2014 13:22:29 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.978**	**1.957**	**1.919**	**1.941**	**1.927**	**1.972**	**1.927**
Stddev	.001	.003	.024	.003	.019	.017	.005
%RSD	.0631	.1488	1.227	.1594	.9634	.8645	.2563
#1	1.979	1.954	1.902	1.938	1.914	1.960	1.923
#2	1.977	1.959	1.936	1.943	1.940	1.984	1.930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98747.**	**13708.**	**1887.2**	**6020.3**
Stddev	397.	78.	15.0	47.9
%RSD	.40236	.57169	.79242	.79499
#1	99028.	13652.	1897.8	6054.1
#2	98466.	13763.	1876.7	5986.4

Zoom In Zoom Out

Sample Name: icb Acquired: 6/26/2014 13:28:32 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0002**	**.0002**	**.0001**	**.0000**	**.0001**	**-.0002**	**.0000**
Stddev	.0001	.0000	.0000	.0003	.0001	.0001	.0000	.0001	.000
%RSD	50.38	10.70	18.14	121.5	165.3	1277.	44.84	62.24	4688.
#1	.0001	.0001	.0002	.0000	.0000	.0000	.0001	-.0002	-.0001
#2	.0002	.0001	.0001	.0004	.0001	.0001	.0001	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0002**	**.0000**	**-.0004**	**-.0001**	**.0007**	**.0008**	**.0024**
Stddev	.0001	.0001	.0005	.0001	.0005	.0004	.0006	.0097	.0003
%RSD	76.27	95.09	302.3	730.0	108.3	417.3	96.59	1190.	12.87
#1	.0003	.0000	-.0002	.0000	-.0008	.0002	.0011	.0077	.0022
#2	.0001	.0002	.0006	.0000	-.0001	-.0004	.0002	-.0060	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**-.0177**	**.0158**	**.0015**	**.0016**	F **.0020**	**.0005**	**.0004**	**.0007**
Stddev	.0012	.0176	.0176	.0041	.0006	.0005	.0009	.0002	.0005
%RSD	93.05	99.35	111.2	262.6	35.74	23.16	165.6	64.85	66.76
#1	.0004	-.0053	.0283	-.0013	.0020	.0024	.0012	.0005	.0010
#2	.0022	-.0301	.0034	.0044	.0012	.0017	-.0001	.0002	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: icb Acquired: 6/26/2014 13:28:32 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0004**	**.0120**	**.0005**	**.0006**	**.0004**	**-.0001**
Stddev	.0000	.0003	.0010	.0001	.0003	.0000	.0002
%RSD	3.027	85.05	8.321	13.06	56.23	10.90	152.7
#1	.0001	.0002	.0128	.0005	.0003	.0004	.0000
#2	.0001	.0006	.0113	.0004	.0008	.0004	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104850.**	**13842.**	**1977.1**	**6714.1**
Stddev	22.	104.	7.1	14.3
%RSD	.02062	.74864	.35865	.21237
#1	104860.	13915.	1982.1	6724.1
#2	104830.	13768.	1972.1	6704.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 13:34:52 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**2.033**	**2.037**	**2.036**	**2.022**	**1.982**	**2.064**	**2.057**	**.2473**
Stddev	.004	.004	.002	.003	.001	.005	.001	.002	.0000
%RSD	.1966	.1824	.0776	.1427	.0490	.2498	.0665	.1021	.0170
#1	2.011	2.030	2.036	2.034	2.023	1.986	2.063	2.055	.2473
#2	2.006	2.036	2.038	2.038	2.021	1.979	2.065	2.058	.2472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.079**	**2.010**	**2.085**	**2.059**	**2.015**	**2.014**	**40.07**	**40.23**
Stddev	.001	.003	.003	.010	.005	.004	.001	.06	.17
%RSD	.0448	.1544	.1311	.4936	.2490	.2032	.0366	.1463	.4349
#1	2.020	2.077	2.008	2.078	2.056	2.012	2.013	40.12	40.11
#2	2.018	2.081	2.012	2.092	2.063	2.018	2.014	40.03	40.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.53**	**39.76**	**39.83**	**40.13**	**2.037**	**2.052**	**1.976**	**5.032**	**2.078**
Stddev	.10	.17	.03	.04	.004	.004	.003	.001	.005
%RSD	.2442	.4254	.0648	.0987	.1968	.2206	.1329	.0174	.2378
#1	40.46	39.64	39.81	40.15	2.034	2.049	1.978	5.031	2.074
#2	40.60	39.88	39.85	40.10	2.039	2.055	1.974	5.032	2.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 13:34:52 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.021**	**1.969**	**2.006**	**1.977**	**2.019**	**1.983**
Stddev	.002	.001	.005	.001	.004	.000	.000
%RSD	.0819	.0700	.2640	.0463	.2173	.0214	.0225
#1	2.027	2.020	1.966	2.007	1.974	2.019	1.983
#2	2.029	2.022	1.973	2.005	1.980	2.018	1.984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95866.**	**13423.**	**1847.7**	**5902.1**
Stddev	48.	62.	2.2	3.1
%RSD	.05036	.46173	.11914	.05325
#1	95901.	13467.	1846.2	5899.9
#2	95832.	13380.	1849.3	5904.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 13:40:55 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0003**	**-.0001**	**.0003**	**.0002**	**.0002**	**-.0001**	**.0001**
Stddev	.0002	.0000	.0001	.0001	.0001	.0001	.0000	.0000	.0002
%RSD	116.5	10.33	46.72	85.48	32.34	23.93	5.616	57.90	223.5
#1	.0000	.0002	.0003	.0000	.0002	.0003	.0002	.0000	.0003
#2	.0003	.0001	.0002	-.0001	.0003	.0002	.0002	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0003**	**.0004**	**-.0004**	**-.0008**	**.0004**	**.0001**	**-.0016**	**.0029**
Stddev	.000	.0001	.0004	.0006	.0001	.0003	.0009	.0047	.0006
%RSD	1974.	31.78	104.7	173.4	16.11	76.48	1100.	298.6	19.67
#1	.0001	.0002	.0007	.0001	-.0009	.0002	.0008	.0017	.0025
#2	-.0002	.0003	.0001	-.0008	-.0008	.0006	-.0006	-.0049	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**-.0060**	**.0251**	**.0047**	**.0019**	F **.0021**	**.0003**	**.0013**	**.0007**
Stddev	.0015	.0048	.0202	.0017	.0001	.0004	.0006	.0004	.0005
%RSD	32.21	80.40	80.42	35.06	7.216	21.08	190.1	32.95	68.68
#1	.0055	-.0026	.0108	.0036	.0020	.0024	.0007	.0016	.0010
#2	.0035	-.0094	.0394	.0059	.0018	.0018	-.0001	.0010	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0020			
Low Limit						-.0020			

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 13:40:55 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0005**	F **.0134**	**.0005**	**.0013**	**-.0001**	**.0002**
Stddev	.0000	.0002	.0020	.0001	.0016	.0001	.0003
%RSD	7.607	39.58	15.17	17.60	121.3	155.6	141.4
#1	.0002	.0007	.0148	.0005	.0025	-.0002	.0000
#2	.0002	.0004	.0120	.0004	.0002	.0000	.0005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0123				
Low Limit			-.0123				

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103640.**	**13614.**	**1931.8**	**6592.8**
Stddev	339.	40.	6.3	13.9
%RSD	.32727	.29039	.32756	.21149
#1	103400.	13642.	1936.3	6602.7
#2	103880.	13587.	1927.4	6583.0

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 13:47:14 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2039**	**.0022**	**.0030**	**.0513**	**.0110**	**.0098**	**.0162**	**.0101**	**.0051**
Stddev	.0003	.0000	.0001	.0001	.0000	.0001	.0001	.0002	.0000
%RSD	.1662	2.048	3.806	.1904	.2275	.9241	.3724	1.608	.5077
#1	.2037	.0023	.0031	.0512	.0109	.0098	.0162	.0102	.0051
#2	.2042	.0022	.0029	.0513	.0110	.0097	.0162	.0100	.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0533**	**.0240**	**.0087**	**.0100**	**.0028**	**.0121**	**.0067**	**.1918**	**5.051**
Stddev	.0003	.0000	.0006	.0024	.0001	.0008	.0005	.0033	.002
%RSD	.5139	.0552	6.938	23.71	3.977	6.926	6.988	1.718	.0308
#1	.0531	.0240	.0091	.0083	.0027	.0127	.0070	.1894	5.050
#2	.0535	.0240	.0083	.0116	.0029	.0115	.0063	.1941	5.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1050**	**5.079**	**4.974**	**5.011**	**.1056**	**.0220**	**.0548**	**.2050**	**.0122**
Stddev	.0006	.011	.025	.017	.0002	.0004	.0001	.0003	.0009
%RSD	.6057	.2180	.5039	.3421	.2058	1.908	.0949	.1440	7.374
#1	.1045	5.087	4.956	4.999	.1058	.0223	.0549	.2052	.0116
#2	.1054	5.071	4.991	5.023	.1055	.0217	.0548	.2047	.0129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 13:47:14 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0112**	**.0556**	**.0113**	**.0481**	**.0220**	**.0204**
Stddev	.0000	.0000	.0008	.0002	.0001	.0003	.0004
%RSD	.2374	.1741	1.384	1.682	.2011	1.478	2.075
#1	.0107	.0112	.0562	.0115	.0480	.0223	.0201
#2	.0106	.0111	.0551	.0112	.0482	.0218	.0207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**102090.**	**13543.**	**1925.5**	**6475.6**
Stddev	173.	35.	3.0	5.0
%RSD	.16969	.25528	.15493	.07663
#1	101970.	13568.	1923.4	6472.1
#2	102210.	13519.	1927.6	6479.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 13:53:29 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0010**	**.0011**	**.0031**	**.0020**	**.0018**	**.0032**	**.0041**	**.0009**
Stddev	.0001	.0000	.0000	.0002	.0000	.0001	.0001	.0000	.0002
%RSD	1.638	1.319	2.179	7.021	1.067	3.637	2.272	1.099	21.46
#1	.0041	.0010	.0011	.0030	.0020	.0019	.0032	.0040	.0008
#2	.0040	.0010	.0012	.0033	.0020	.0018	.0033	.0041	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0116**	**.0031**	**.0019**	**.0027**	**.0043**	**.0039**	**.0916**	**1.007**
Stddev	.0001	.0000	.0005	.0001	.0002	.0015	.0002	.0027	.001
%RSD	8.043	.2089	16.28	2.841	6.587	33.99	6.024	2.927	.1112
#1	.0017	.0116	.0034	.0018	.0028	.0032	.0040	.0935	1.007
#2	.0019	.0116	.0027	.0019	.0025	.0053	.0037	.0897	1.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**.0721**	**2.039**	**1.004**	**.0103**	**.0000**	**.0006**	**-.0011**	**.0009**
Stddev	.0004	.0023	.017	.005	.0002	.000	.0001	.0001	.0003
%RSD	39.88	3.175	.8206	.4771	1.987	168.1	14.73	8.949	33.54
#1	.0014	.0705	2.051	1.001	.0105	-.0001	.0007	-.0012	.0007
#2	.0008	.0737	2.027	1.007	.0102	.0000	.0006	-.0010	.0012
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 13:53:29 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**-.0008**	**-.0002**	**-.0007**	**.0003**	**-.0005**
Stddev	.000	.0001	.0011	.0001	.0027	.0007	.0002
%RSD	100.1	50.03	131.7	38.39	394.0	275.3	45.53
#1	.0000	.0001	-.0001	-.0002	.0012	.0008	-.0004
#2	.0000	.0002	-.0016	-.0001	-.0026	-.0003	-.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103210.**	**13567.**	**1947.7**	**6601.6**
Stddev	169.	27.	1.5	.6
%RSD	.16371	.19850	.07921	.00947
#1	103090.	13548.	1948.8	6602.1
#2	103330.	13586.	1946.6	6601.2

Zoom In Zoom Out

Sample Name: cria Acquired: 6/26/2014 13:59:49 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**-.0001**	**.0002**	**-.0002**	**.0000**	**.0000**	**-.0002**
Stddev	.0002	.000	.0000	.0001	.0002	.0000	.000	.0001	.0004
%RSD	294.0	177.3	54.47	94.73	109.3	12.10	739.4	359.6	181.8
#1	.0002	-.0001	.0000	.0000	.0003	-.0001	.0000	.0000	-.0005
#2	-.0001	.0000	.0001	-.0001	.0000	-.0002	.0000	.0001	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0011**	**.0204**	**.0010**	**.0206**	**.0209**	**.0210**	**.4853**	**.0015**
Stddev	.0002	.0000	.0002	.0009	.0002	.0006	.0001	.0037	.0006
%RSD	217.9	3.266	.7505	82.06	1.005	2.861	.2744	.7677	36.66
#1	-.0002	.0011	.0205	.0004	.0207	.0204	.0209	.4880	.0011
#2	.0000	.0011	.0203	.0016	.0204	.0213	.0210	.4827	.0019
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5224**	**-.0051**	**-.0127**	**-.0006**	**-.0001**	**-.0002**	**.0000**	**-.0013**	**.0003**
Stddev	.0004	.0111	.0047	.0019	.0007	.0001	.0002	.0000	.0000
%RSD	.0720	215.7	36.94	310.2	651.2	48.93	8819.	1.747	9.475
#1	.5227	-.0129	-.0094	.0007	.0004	-.0002	.0001	-.0013	.0003
#2	.5222	.0027	-.0160	-.0019	-.0006	-.0001	-.0001	-.0013	.0004
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/26/2014 13:59:49 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**-.0028**	**-.0003**	**-.0001**	**-.0001**	**-.0004**
Stddev	.0000	.0002	.0003	.0001	.0009	.0003	.0003
%RSD	21.81	108.4	10.62	27.74	834.2	385.7	72.30
#1	.0000	.0000	-.0026	-.0002	.0006	.0001	-.0006
#2	.0001	.0003	-.0030	-.0003	-.0008	-.0003	-.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104420.**	**13813.**	**1970.9**	**6670.1**
Stddev	77.	27.	2.8	12.2
%RSD	.07393	.19373	.14286	.18345
#1	104480.	13794.	1972.9	6678.7
#2	104370.	13832.	1968.9	6661.4

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/26/2014 14:06:09 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0000**	**.0014**	**.0004**	**.0008**	**.0050**	**.0016**	**-.0043**
Stddev	.0000	.000	.0003	.0006	.0002	.0001	.0000	.0007
%RSD	1.316	552.2	19.93	134.8	24.89	1.695	2.548	15.76
#1	-.0009	.0000	.0012	.0008	.0009	.0051	.0016	-.0038
#2	-.0009	-.0001	.0016	.0000	.0007	.0050	.0016	-.0047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**-.0007**	**-.0028**	**.0037**	**.0007**	**.0027**	**-.0028**	**-.0028**
Stddev	.0003	.0000	.0006	.0008	.0028	.0001	.0008	.0004
%RSD	5.114	2.450	19.94	21.37	390.5	3.591	28.86	12.91
#1	.0054	-.0007	-.0024	.0043	.0027	.0026	-.0023	-.0025
#2	.0058	-.0007	-.0032	.0032	-.0012	.0027	-.0034	-.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**510.2**	**392.7**	**187.3**	**543.5**	**.0592**	**-.0084**	**-.0130**	**.0071**
Stddev	1.5	1.0	.6	2.8	.0411	.0036	.0001	.0004
%RSD	.2927	.2560	.3249	.5225	69.44	43.01	.8668	5.155
#1	511.3	392.0	186.9	541.5	.0883	-.0109	-.0129	.0074
#2	509.2	393.4	187.7	545.6	.0301	-.0058	-.0131	.0068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/26/2014 14:06:09 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0411**	**-.0016**	F **.0117**	**-.0006**	**.0021**	**.0144**	F **.0220**	F **-.0526**
Stddev	.0000	.0022	.0003	.0001	.0002	.0000	.0001	.0023
%RSD	.1002	139.7	2.382	22.44	11.32	.3423	.6137	4.285
#1	-.0410	-.0031	.0115	-.0007	.0019	.0143	.0219	-.0510
#2	-.0411	.0000	.0119	-.0005	.0022	.0144	.0221	-.0542
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit			.0100				.0100	.0500
Low Limit			-.0100				-.0100	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0016**	**.0044**
Stddev	.0003	.0004
%RSD	20.34	8.891
#1	.0018	.0041
#2	.0013	.0046
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88088.**	**12724.**	**1676.6**	**5198.2**
Stddev	149.	28.	.9	.3
%RSD	.16917	.21999	.05268	.00640
#1	88193.	12744.	1677.2	5198.0
#2	87982.	12705.	1676.0	5198.4

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/26/2014 14:12:33 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5071**	**.5017**	**1.061**	**.4849**	**.4652**	**.5248**	**.4923**	**.9732**	**1.037**
Stddev	.0000	.0001	.025	.0102	.0013	.0029	.0006	.0182	.002
%RSD	.0031	.0191	2.385	2.105	.2866	.5515	.1130	1.871	.1713
#1	.5071	.5018	1.043	.4777	.4643	.5268	.4919	.9603	1.038
#2	.5071	.5016	1.079	.4921	.4661	.5227	.4927	.9861	1.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4752**	**.9698**	**1.115**	**.9604**	**.9613**	**1.110**	**1.070**	**500.6**	**370.4**
Stddev	.0011	.0221	.023	.0155	.0156	.024	.026	2.2	1.0
%RSD	.2256	2.276	2.029	1.619	1.625	2.148	2.463	.4390	.2672
#1	.4760	.9542	1.099	.9495	.9503	1.093	1.051	502.2	371.1
#2	.4745	.9854	1.131	.9714	.9724	1.127	1.089	499.1	369.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**190.3**	**529.0**	**-.0095**	**-.0031**	**-.0160**	**.5194**	**.5117**	**-.0053**	**.0117**
Stddev	.1	.2	.0270	.0048	.0011	.0123	.0017	.0021	.0013
%RSD	.0662	.0376	285.5	156.0	6.680	2.363	.3265	38.81	10.89
#1	190.3	529.1	-.0286	.0003	-.0168	.5107	.5129	-.0067	.0108
#2	190.2	528.8	.0096	-.0065	-.0152	.5281	.5105	-.0038	.0126
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/26/2014 14:12:33 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0051**	**.5351**	**.5578**	**.4513**	**.5722**	**.5507**
Stddev	.0001	.0001	.0125	.0005	.0052	.0123	.0004
%RSD	28.76	1.325	2.335	.0820	1.146	2.144	.0789
#1	-.0006	.0051	.5262	.5574	.4476	.5635	.5504
#2	-.0004	.0052	.5439	.5581	.4549	.5809	.5510
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89349.**	**12908.**	**1669.3**	**5194.3**
Stddev	20.	15.	30.1	85.4
%RSD	.02266	.11822	1.8041	1.6444
#1	89364.	12897.	1690.6	5254.7
#2	89335.	12918.	1648.0	5133.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 14:18:49 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.976**	**2.005**	**1.999**	**2.004**	**1.972**	**1.953**	**2.018**	**2.025**	**.2422**
Stddev	.002	.008	.005	.002	.007	.003	.007	.002	.0012
%RSD	.0894	.3886	.2368	.0851	.3600	.1711	.3305	.1146	.4772
#1	1.977	2.011	1.996	2.003	1.977	1.956	2.023	2.023	.2430
#2	1.975	2.000	2.003	2.005	1.967	1.951	2.014	2.027	.2414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.977**	**2.041**	**1.977**	**2.067**	**2.032**	**1.984**	**1.976**	**39.38**	**39.69**
Stddev	.008	.007	.003	.008	.005	.007	.005	.10	.02
%RSD	.3862	.3351	.1550	.3743	.2267	.3397	.2439	.2480	.0517
#1	1.982	2.036	1.974	2.072	2.028	1.979	1.973	39.45	39.71
#2	1.972	2.045	1.979	2.061	2.035	1.989	1.979	39.31	39.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.92**	**39.23**	**39.52**	**39.60**	**2.000**	**2.017**	**1.941**	**4.956**	**2.038**
Stddev	.06	.12	.07	.09	.006	.003	.006	.012	.007
%RSD	.1543	.2962	.1770	.2348	.2858	.1523	.3299	.2445	.3421
#1	39.97	39.31	39.57	39.67	1.996	2.015	1.946	4.948	2.033
#2	39.88	39.14	39.47	39.54	2.004	2.020	1.937	4.965	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 14:18:49 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.998**	**1.976**	**1.912**	**1.963**	**1.951**	**1.985**	**1.957**
Stddev	.003	.006	.009	.004	.010	.002	.004
%RSD	.1510	.2922	.4550	.2277	.4931	.0890	.2212
#1	1.996	1.980	1.906	1.966	1.958	1.984	1.954
#2	2.000	1.972	1.918	1.960	1.944	1.987	1.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97576.**	**13488.**	**1873.7**	**5970.5**
Stddev	101.	49.	2.0	3.8
%RSD	.10317	.36380	.10587	.06362
#1	97504.	13453.	1875.1	5967.8
#2	97647.	13522.	1872.3	5973.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 14:24:53 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0003**	**.0001**	**.0002**	**.0003**	**.0002**	**-.0001**	**.0001**
Stddev	.0001	.0001	.0001	.0003	.0002	.0001	.0000	.0001	.0000
%RSD	37.63	34.01	21.57	334.2	104.7	38.46	2.684	120.6	32.58
#1	.0003	.0002	.0003	-.0001	.0003	.0003	.0002	.0000	.0001
#2	.0001	.0001	.0003	.0003	.0000	.0002	.0002	-.0002	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**.0010**	**.0019**	**-.0009**	**-.0003**	**.0008**	**-.0034**	**.0000**
Stddev	.0000	.0000	.0003	.0010	.0002	.0007	.0007	.0035	.0001
%RSD	13.01	.5646	32.28	53.04	21.08	256.4	92.78	101.5	817.7
#1	.0003	.0003	.0008	.0026	-.0010	-.0007	.0013	-.0058	.0001
#2	.0002	.0003	.0012	.0012	-.0007	.0002	.0003	-.0010	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**-.0116**	**.0019**	**.0002**	**.0012**	**.0017**	**.0001**	**.0015**	**.0013**
Stddev	.0009	.0051	.0059	.0036	.0005	.0003	.0005	.0004	.0004
%RSD	26.42	43.47	316.2	1921.	40.51	19.24	496.7	24.48	33.58
#1	.0028	-.0081	-.0023	.0027	.0008	.0019	.0004	.0012	.0016
#2	.0041	-.0152	.0060	-.0023	.0015	.0014	-.0002	.0017	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 14:24:53 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**.0058**	**.0004**	**-.0004**	**-.0001**	**.0003**
Stddev	.0001	.0001	.0009	.0002	.0010	.0004	.0001
%RSD	23.41	33.93	15.04	38.90	231.9	362.6	34.90
#1	.0002	.0005	.0064	.0003	-.0012	.0002	.0003
#2	.0003	.0003	.0052	.0005	.0003	-.0004	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103440.**	**13660.**	**1949.1**	**6644.3**
Stddev	448.	13.	17.4	60.3
%RSD	.43318	.09439	.89196	.90779
#1	103750.	13669.	1961.4	6686.9
#2	103120.	13650.	1936.8	6601.6

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 6/26/2014 14:31:13 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0041**	**.0010**	**.0011**	**.0032**	**.0021**	**.0019**	**.0033**	**.0075**	**.0008**
Stddev	.0000	.0000	.0001	.0000	.0004	.0002	.0000	.0010	.0002
%RSD	1.220	4.694	8.771	.0672	18.59	9.754	.6051	13.66	27.53
#1	.0041	.0010	.0011	.0032	.0019	.0020	.0033	.0082	.0010
#2	.0040	.0010	.0012	.0032	.0024	.0017	.0033	.0067	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0953**	**.0033**	**.0016**	**.0029**	**.0045**	**.0040**	**.0989**	**1.010**
Stddev	.0001	.0158	.0009	.0002	.0007	.0006	.0000	.0014	.001
%RSD	7.355	16.59	27.60	10.85	25.51	12.32	.8724	1.419	.0891
#1	.0019	.1065	.0027	.0017	.0034	.0049	.0040	.0999	1.009
#2	.0017	.0841	.0040	.0015	.0024	.0041	.0039	.0979	1.010

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0004**	**.0854**	**2.047**	**1.016**	**.0105**	**.0000**	**.0002**	**.0002**	**.0008**
Stddev	.0024	.0066	.009	.002	.0001	.000	.0003	.0001	.0004
%RSD	586.5	7.733	.4490	.2113	1.025	67.95	131.2	62.37	51.37
#1	-.0021	.0901	2.041	1.018	.0106	.0000	.0004	.0003	.0011
#2	.0013	.0808	2.054	1.015	.0104	.0000	.0000	.0001	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0022**	**-.0001**	**.0076**	**.0004**	**.0003**
Stddev	.0000	.0001	.0003	.0000	.0013	.0001	.0000
%RSD	80.25	51.42	12.55	17.63	17.69	27.84	1.815
#1	.0001	.0004	-.0020	-.0002	.0066	.0003	.0002
#2	.0000	.0002	-.0024	-.0001	.0085	.0005	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101890.**	**13466.**	**1935.6**	**6531.8**
Stddev	166.	39.	49.4	114.1
%RSD	.16261	.28981	2.5497	1.7467
#1	101770.	13438.	1970.5	6612.5
#2	102010.	13493.	1900.7	6451.2

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 14:38:18 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2008**	**.0022**	**.0032**	**.0514**	**.0105**	**.0098**	**.0161**	**.0103**	**.0051**
Stddev	.0007	.0000	.0001	.0000	.0000	.0003	.0000	.0000	.0002
%RSD	.3246	.4676	4.285	.0427	.1649	3.536	.1790	.1654	3.905
#1	.2003	.0022	.0033	.0514	.0105	.0101	.0161	.0103	.0049
#2	.2013	.0022	.0031	.0513	.0105	.0096	.0160	.0103	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0535**	**.0240**	**.0086**	**.0114**	**.0038**	**.0122**	**.0069**	**.1910**	**4.914**
Stddev	.0004	.0002	.0014	.0007	.0006	.0008	.0004	.0024	.007
%RSD	.6884	.7799	16.65	5.981	15.47	6.599	5.834	1.262	.1441
#1	.0533	.0242	.0076	.0109	.0034	.0117	.0072	.1927	4.919
#2	.0538	.0239	.0097	.0118	.0042	.0128	.0066	.1893	4.909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1050**	**4.988**	**4.944**	**4.995**	**.1051**	**.0216**	**.0535**	**.2064**	**.0120**
Stddev	.0017	.014	.029	.001	.0005	.0000	.0002	.0002	.0000
%RSD	1.580	.2705	.5956	.0289	.5206	.1583	.2918	.0859	.1195
#1	.1062	4.998	4.965	4.996	.1047	.0215	.0536	.2063	.0120
#2	.1038	4.979	4.923	4.994	.1055	.0216	.0534	.2065	.0120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 14:38:18 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0105**	**.0106**	**.0496**	**.0110**	**.0484**	**.0212**	**.0204**
Stddev	.0000	.0001	.0004	.0001	.0030	.0008	.0002
%RSD	.1542	.7641	.8970	1.332	6.191	3.998	.8795
#1	.0105	.0106	.0493	.0111	.0505	.0218	.0205
#2	.0105	.0107	.0499	.0109	.0463	.0206	.0203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**102160.**	**13628.**	**1912.2**	**6419.1**
Stddev	162.	80.	1.7	2.0
%RSD	.15853	.58369	.09042	.03152
#1	102270.	13572.	1913.4	6420.5
#2	102040.	13684.	1911.0	6417.6

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 14:45:23 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0010**	**.0011**	**.0034**	**.0022**	**.0019**	**.0032**	**.0038**	**.0008**
Stddev	.0001	.0001	.0002	.0002	.0001	.0001	.0000	.0002	.0001
%RSD	1.451	5.183	15.38	5.654	3.374	2.658	1.496	4.391	9.930
#1	.0041	.0010	.0010	.0035	.0022	.0019	.0032	.0037	.0008
#2	.0040	.0010	.0013	.0033	.0021	.0019	.0031	.0039	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0111**	**.0030**	**.0020**	**.0024**	**.0039**	**.0034**	**.0931**	**.9823**
Stddev	.0002	.0000	.0004	.0002	.0002	.0014	.0001	.0022	.0061
%RSD	10.46	.2983	13.35	8.140	8.957	37.27	3.848	2.345	.6225
#1	.0018	.0111	.0032	.0019	.0023	.0049	.0033	.0946	.9866
#2	.0021	.0112	.0027	.0021	.0026	.0028	.0035	.0915	.9779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0741**	**2.023**	**.9889**	**.0097**	**-.0004**	**.0003**	**-.0017**	**.0006**
Stddev	.0007	.0108	.008	.0035	.0004	.0001	.0003	.0002	.0011
%RSD	83.84	14.60	.3945	.3578	4.623	22.16	81.87	13.12	189.2
#1	-.0004	.0818	2.018	.9864	.0094	-.0005	.0005	-.0018	.0014
#2	-.0014	.0665	2.029	.9914	.0100	-.0003	.0001	-.0015	-.0002
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 14:45:23 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**-.0052**	**-.0004**	**-.0003**	**.0005**	**-.0004**
Stddev	.0001	.0002	.0009	.0000	.0002	.0002	.0002
%RSD	327.8	148.0	17.40	6.721	47.99	43.29	50.14
#1	.0001	-.0002	-.0058	-.0004	-.0004	.0004	-.0006
#2	.0000	.0000	-.0045	-.0004	-.0002	.0007	-.0003
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103580.**	**13723.**	**1956.9**	**6619.3**
Stddev	50.	24.	1.4	6.4
%RSD	.04863	.17834	.07090	.09735
#1	103540.	13705.	1957.9	6623.9
#2	103610.	13740.	1956.0	6614.8

Zoom In Zoom Out

Sample Name: jb69686-4und Acquired: 6/26/2014 14:51:39 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0184**	**.0000**	**.0008**	**.0005**	**.0012**	**.0048**	**.0456**	**.0166**	**.0000**
Stddev	.0000	.0000	.0002	.0000	.0001	.0001	.0001	.0000	.000
%RSD	.1007	67.59	23.02	7.066	6.058	1.748	.1931	.1354	324.1
#1	.0184	.0000	.0009	.0005	.0011	.0048	.0455	.0166	.0001
#2	.0184	.0000	.0006	.0006	.0012	.0049	.0456	.0165	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.1536**	**.0015**	**.0013**	**.0049**	**.0094**	**.0005**	**-.0031**	**102.3**
Stddev	.0002	.0016	.0001	.0009	.0001	.0011	.0005	.0019	.1
%RSD	48.91	1.047	6.514	69.76	1.127	12.14	117.2	62.10	.1207
#1	.0005	.1524	.0015	.0020	.0049	.0086	.0008	-.0017	102.4
#2	.0002	.1547	.0016	.0007	.0048	.0102	.0001	-.0045	102.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0612**	**26.45**	**3.162**	**22.80**	**.1912**	**.0011**	**-.0022**	**14.11**	**.0049**
Stddev	.0001	.02	.003	.02	.0030	.0000	.0010	.18	.0011
%RSD	.2417	.0645	.1039	.0685	1.584	.4653	43.50	1.245	22.60
#1	.0611	26.46	3.160	22.81	.1890	.0011	-.0029	13.98	.0041
#2	.0613	26.44	3.165	22.79	.1933	.0011	-.0015	14.23	.0056

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5182**	**.0044**	**.0015**	**.0069**	**87.65**	**.0017**	**.0355**
Stddev	.0007	.0032	.0006	.0002	1.02	.0003	.0003
%RSD	.1396	72.60	37.34	2.212	1.169	14.93	.7258
#1	.5177	.0066	.0019	.0068	86.92	.0015	.0357
#2	.5187	.0021	.0011	.0070	88.37	.0019	.0353

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98731.**	**13784.**	**1842.5**	**6104.3**
Stddev	47.	44.	24.0	65.5
%RSD	.04723	.31613	1.3036	1.0737
#1	98698.	13753.	1859.4	6150.7
#2	98764.	13815.	1825.5	6058.0

Zoom In Zoom Out

Sample Name: jb69686-4fund Acquired: 6/26/2014 14:57:51 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0178**	**.0000**	**.0004**	**.0011**	**.0011**	**.0039**	**.2358**	**.0115**	**.0000**
Stddev	.0000	.0000	.0001	.0001	.0002	.0002	.0007	.0001	.000
%RSD	.0630	39.22	23.62	6.736	14.71	4.576	.3105	1.205	1530.
#1	.0178	.0000	.0004	.0011	.0010	.0037	.2363	.0116	.0000
#2	.0178	.0001	.0003	.0010	.0013	.0040	.2353	.0114	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0741**	**.0027**	**.0004**	**.0033**	**.0049**	**.0008**	**-.0293**	**149.8**
Stddev	.0002	.0003	.0013	.0023	.0005	.0010	.0001	.0026	.3
%RSD	50.68	.4328	47.00	567.9	14.93	20.89	16.79	8.965	.2227
#1	.0004	.0739	.0018	.0020	.0029	.0057	.0007	-.0312	149.5
#2	.0002	.0743	.0036	-.0012	.0036	.0042	.0009	-.0275	150.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1775**	**41.69**	**3.244**	**38.87**	**.3025**	**.0010**	**-.0040**	**12.58**	**.0048**
Stddev	.0031	.06	.011	.02	.0005	.0001	.0009	.01	.0008
%RSD	1.772	.1404	.3517	.0605	.1686	8.639	21.82	.1071	17.40
#1	.1753	41.65	3.236	38.89	.3029	.0011	-.0047	12.59	.0042
#2	.1797	41.73	3.252	38.85	.3022	.0010	-.0034	12.57	.0054

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6601**	**.0013**	**.0067**	**.0135**	**152.7**	**.0019**	**.0245**
Stddev	.0001	.0001	.0011	.0001	.4	.0001	.0003
%RSD	.0092	7.437	16.68	.4242	.2480	3.891	1.078
#1	.6602	.0014	.0075	.0134	152.4	.0019	.0247
#2	.6601	.0012	.0059	.0135	152.9	.0020	.0243

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96329.**	**13672.**	**1798.5**	**5899.8**
Stddev	257.	14.	1.9	9.9
%RSD	.26722	.10265	.10747	.16791
#1	96511.	13682.	1799.9	5906.8
#2	96147.	13662.	1797.2	5892.8

Zoom In Zoom Out

Sample Name: jb69686-7und Acquired: 6/26/2014 15:04:01 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1964**	**.0010**	**.0005**	**.0026**	**.0065**	**.0047**	**.5227**	**.0056**	**.0006**
Stddev	.0003	.0000	.0000	.0005	.0001	.0001	.0006	.0002	.0003
%RSD	.1293	.3512	2.904	19.20	1.588	1.280	.1099	3.988	46.77
#1	.1966	.0010	.0005	.0029	.0066	.0046	.5223	.0057	.0008
#2	.1962	.0010	.0005	.0022	.0064	.0047	.5231	.0054	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0081**	**.0143**	**.0598**	**-.0296**	**.0065**	**.0094**	**-.0018**	**1.465**	**138.8**
Stddev	.0004	.0006	.0008	.0001	.0001	.0005	.0007	.011	.2
%RSD	4.437	4.087	1.283	.2276	1.380	5.474	37.90	.7640	.1709
#1	.0083	.0147	.0603	-.0296	.0065	.0098	-.0022	1.473	139.0
#2	.0078	.0139	.0592	-.0297	.0066	.0091	-.0013	1.457	138.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.44**	**90.56**	**42.55**	**90.66**	**1.728**	**.0128**	**-.0062**	**18.72**	**.0120**
Stddev	.06	.18	.03	.17	.005	.0013	.0001	.13	.0006
%RSD	.3007	.2016	.0613	.1850	.3065	10.42	2.077	.6718	4.645
#1	18.40	90.68	42.53	90.54	1.725	.0137	-.0063	18.81	.0116
#2	18.48	90.43	42.57	90.78	1.732	.0118	-.0061	18.63	.0124

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.521**	**.0807**	**.1331**	**.0080**	**49.22**	**.0011**	**.0599**
Stddev	.000	.0049	.0201	.0024	.28	.0005	.0001
%RSD	.0090	6.059	15.12	30.52	.5740	48.79	.0944
#1	1.521	.0841	.1473	.0097	49.42	.0015	.0600
#2	1.521	.0772	.1188	.0063	49.02	.0007	.0599

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93710.**	**13790.**	**1682.5**	**5610.8**
Stddev	99.	26.	3.8	6.9
%RSD	.10558	.19103	.22566	.12216
#1	93780.	13771.	1685.2	5615.7
#2	93640.	13808.	1679.8	5606.0

Zoom In Zoom Out

Sample Name: jb69686-7fund Acquired: 6/26/2014 15:10:11 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1893**	**.0009**	**.0003**	**.0019**	**.0019**	**.0029**	**.4370**	**.0025**	**.0004**
Stddev	.0007	.0000	.0001	.0002	.0001	.0000	.0011	.0001	.0003
%RSD	.3931	2.446	31.42	8.375	7.307	.9763	.2619	3.616	68.43
#1	.1898	.0008	.0004	.0018	.0020	.0028	.4378	.0024	.0006
#2	.1888	.0009	.0002	.0020	.0018	.0029	.4362	.0025	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**.0090**	**.0617**	**-.0300**	**.0019**	**.0035**	**-.0020**	**-.0327**	**139.9**
Stddev	.0004	.0001	.0000	.0016	.0004	.0026	.0006	.0055	.4
%RSD	7.358	1.135	.0375	5.294	18.93	74.23	32.09	16.93	.2971
#1	.0057	.0089	.0617	-.0311	.0016	.0017	-.0015	-.0366	140.2
#2	.0052	.0090	.0618	-.0289	.0021	.0054	-.0024	-.0288	139.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.49**	**96.40**	**44.59**	**93.14**	**1.798**	**.0167**	**-.0060**	**15.09**	**.0134**
Stddev	.01	.26	.06	.03	.015	.0053	.0009	.09	.0013
%RSD	.0727	.2676	.1447	.0278	.8529	31.56	15.17	.5660	9.850
#1	17.50	96.58	44.64	93.16	1.787	.0204	-.0067	15.03	.0125
#2	17.48	96.21	44.55	93.12	1.808	.0129	-.0054	15.15	.0144

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.571**	**.0024**	**.1820**	**.0055**	**50.02**	**.0015**	**.0604**
Stddev	.004	.0006	.0631	.0001	.14	.0004	.0000
%RSD	.2210	23.97	34.64	2.299	.2833	24.15	.0261
#1	1.573	.0028	.2266	.0054	49.92	.0012	.0603
#2	1.569	.0020	.1374	.0056	50.12	.0018	.0604

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91347.**	**13566.**	**1664.8**	**5588.1**
Stddev	155.	12.	14.0	37.4
%RSD	.16940	.09199	.84103	.66870
#1	91238.	13574.	1674.7	5614.5
#2	91457.	13557.	1654.9	5561.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 15:16:24 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.006**	**2.019**	**2.023**	**2.014**	**1.986**	**1.991**	**2.039**	**2.032**	**.2448**
Stddev	.002	.003	.003	.003	.001	.001	.008	.004	.0001
%RSD	.0942	.1699	.1317	.1341	.0449	.0720	.3986	.1801	.0341
#1	2.004	2.021	2.021	2.012	1.986	1.992	2.045	2.029	.2449
#2	2.007	2.016	2.025	2.016	1.985	1.990	2.033	2.034	.2448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**2.047**	**1.997**	**2.103**	**2.036**	**2.014**	**2.011**	**39.97**	**39.41**
Stddev	.006	.006	.002	.005	.006	.001	.001	.05	.23
%RSD	.2988	.3169	.0933	.2407	.3173	.0569	.0536	.1274	.5782
#1	2.013	2.042	1.995	2.100	2.032	2.013	2.012	40.01	39.57
#2	2.005	2.051	1.998	2.107	2.041	2.015	2.010	39.94	39.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.90**	**38.92**	**39.99**	**40.12**	**2.036**	**2.034**	**1.972**	**5.028**	**2.049**
Stddev	.11	.14	.07	.04	.003	.001	.000	.002	.004
%RSD	.2679	.3471	.1806	.0993	.1515	.0314	.0036	.0338	.1809
#1	39.97	39.02	39.94	40.09	2.038	2.033	1.972	5.027	2.047
#2	39.82	38.83	40.04	40.14	2.033	2.034	1.972	5.030	2.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 15:16:24 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.015**	**2.002**	**1.876**	**1.986**	**1.943**	**2.019**	**1.986**
Stddev	.001	.004	.012	.002	.001	.005	.006
%RSD	.0251	.1923	.6271	.0912	.0711	.2520	.2815
#1	2.015	2.005	1.868	1.985	1.942	2.023	1.982
#2	2.014	2.000	1.885	1.987	1.944	2.016	1.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95015.**	**13381.**	**1825.9**	**5855.8**
Stddev	276.	54.	5.1	11.5
%RSD	.28996	.40540	.28089	.19637
#1	94820.	13342.	1822.2	5847.7
#2	95210.	13419.	1829.5	5863.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 15:23:14 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**.0001**	**.0003**	**.0000**	**.0000**	**.0000**	**.0001**
Stddev	.0000	.000	.0001	.0001	.0001	.0001	.0000	.0002	.0003
%RSD	69.73	63.35	153.1	187.0	35.05	594.1	75.57	708.7	436.1
#1	.0001	.0000	.0001	.0000	.0002	.0001	.0000	-.0001	.0003
#2	.0000	.0000	.0000	.0002	.0004	.0000	.0000	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0001**	**-.0001**	**.0004**	**-.0010**	**-.0003**	**.0007**	**-.0058**	**.0015**
Stddev	.0002	.0002	.0008	.0026	.0008	.0016	.0005	.0039	.0007
%RSD	81.60	131.4	826.9	617.7	84.80	540.2	62.53	67.94	47.75
#1	-.0001	.0003	.0005	.0022	-.0004	-.0015	.0010	-.0086	.0020
#2	-.0003	.0000	-.0007	-.0014	-.0016	.0009	.0004	-.0030	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**-.0072**	**.0137**	**.0070**	**.0018**	**.0008**	**.0002**	**.0034**	**.0005**
Stddev	.0021	.0079	.0131	.0031	.0005	.0003	.0001	.0013	.0000
%RSD	114.0	110.1	95.46	43.81	27.12	38.98	43.45	37.75	8.241
#1	.0034	-.0127	.0230	.0048	.0021	.0010	.0002	.0043	.0004
#2	.0004	-.0016	.0045	.0092	.0015	.0006	.0001	.0025	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 15:23:14 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**-.0009**	**.0002**	**.0012**	**-.0001**	**-.0001**
Stddev	.000	.0000	.0016	.0000	.0015	.0000	.0001
%RSD	3033.	15.91	181.7	5.517	125.0	17.97	91.55
#1	.0000	.0002	.0003	.0002	.0001	-.0001	-.0002
#2	.0000	.0003	-.0020	.0002	.0022	-.0001	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**102920.**	**13419.**	**1919.3**	**6553.2**
Stddev	138.	45.	7.2	10.5
%RSD	.13443	.33681	.37447	.16097
#1	102820.	13387.	1914.2	6545.8
#2	103020.	13450.	1924.4	6560.7

Zoom In Zoom Out

Sample Name: mp80251-mb1conf Acquired: 6/26/2014 15:29:33 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0001**	**-.0001**	**.0005**	**.0004**	**.0001**	**-.0002**	**-.0001**
Stddev	.0001	.000	.0001	.0000	.0002	.0000	.0000	.0001	.0001
%RSD	58.27	2.691	126.5	33.49	48.35	.3161	44.05	46.32	69.40
#1	.0001	.0000	.0002	-.0001	.0006	.0004	.0000	-.0003	-.0002
#2	.0003	.0000	.0000	-.0002	.0003	.0004	.0001	-.0001	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0011**	**-.0003**	**-.0007**	**.0002**	**.0007**	**.0004**	**-.0015**	**.0123**
Stddev	.0000	.0001	.0010	.0004	.0003	.0007	.0014	.0018	.0019
%RSD	42.28	8.035	304.0	58.63	116.1	110.0	383.9	123.8	15.65
#1	-.0001	.0012	.0004	-.0004	.0000	.0001	.0014	-.0002	.0137
#2	-.0001	.0011	-.0011	-.0010	.0004	.0012	-.0006	-.0028	.0109

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0057**	**-.0335**	**.0036**	**.0047**	**.0011**	**.0000**	**.0005**	**.0173**	**.0009**
Stddev	.0020	.0114	.0027	.0010	.0000	.000	.0007	.0021	.0009
%RSD	34.91	34.06	74.29	20.68	3.937	41910.	153.6	12.10	96.14
#1	.0043	-.0416	.0017	.0054	.0012	-.0001	.0000	.0188	.0016
#2	.0071	-.0254	.0055	.0040	.0011	.0001	.0010	.0158	.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0006**	**-.0025**	**.0003**	**.0037**	**-.0004**	**.0003**
Stddev	.0000	.0002	.0009	.0001	.0014	.0003	.0000
%RSD	23.47	28.49	34.25	33.20	37.27	75.90	8.290
#1	.0001	.0005	-.0031	.0002	.0028	-.0002	.0003
#2	.0001	.0007	-.0019	.0004	.0047	-.0006	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105160.**	**13736.**	**1927.6**	**6640.2**
Stddev	138.	33.	1.6	3.1
%RSD	.13106	.23803	.08559	.04612
#1	105060.	13713.	1926.5	6642.3
#2	105260.	13759.	1928.8	6638.0

Zoom In Zoom Out

Sample Name: jb69686-4 2 Acquired: 6/26/2014 15:35:52 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0186**	**.0000**	**.0006**	**.0002**	**.0017**	**.0047**	**.0452**	**.0162**	**.0001**
Stddev	.0001	.0000	.0000	.0001	.0003	.0002	.0002	.0000	.0001
%RSD	.3956	55.10	6.691	62.75	17.06	4.451	.3958	.0235	90.58
#1	.0185	.0000	.0006	.0001	.0015	.0045	.0454	.0162	.0002
#2	.0186	.0000	.0007	.0003	.0019	.0048	.0451	.0162	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.1485**	**.0006**	**.0018**	**.0036**	**.0085**	**-.0005**	**.0139**	**104.1**
Stddev	.0000	.0000	.0006	.0009	.0009	.0001	.0001	.0006	.3
%RSD	20.44	.0276	94.19	51.62	26.44	1.649	16.02	4.071	.2853
#1	.0001	.1485	.0002	.0012	.0042	.0084	-.0005	.0135	103.9
#2	.0001	.1485	.0010	.0025	.0029	.0086	-.0006	.0143	104.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1271**	**26.78**	**3.137**	**22.48**	**.1813**	**.0009**	**-.0027**	**13.60**	**.0041**
Stddev	.0029	.11	.003	.03	.0008	.0000	.0000	.01	.0004
%RSD	2.290	.3931	.0814	.1179	.4144	1.878	.8393	.0887	10.39
#1	.1292	26.71	3.135	22.46	.1808	.0009	-.0027	13.59	.0038
#2	.1251	26.86	3.139	22.49	.1818	.0009	-.0026	13.60	.0044

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5316**	**.0026**	**-.0054**	**.0073**	**81.07**	**-.0002**	**.0370**
Stddev	.0008	.0001	.0002	.0001	.20	.0002	.0003
%RSD	.1458	4.121	3.789	.8845	.2488	109.3	.8684
#1	.5321	.0027	-.0052	.0072	80.93	-.0004	.0372
#2	.5310	.0026	-.0055	.0073	81.21	.0000	.0368

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97813.**	**13335.**	**1808.2**	**5983.0**
Stddev	10.	30.	.3	.6
%RSD	.00997	.22769	.01786	.01026
#1	97820.	13356.	1808.0	5983.4
#2	97806.	13313.	1808.4	5982.6

Zoom In Zoom Out

Sample Name: jb69686-8 Acquired: 6/26/2014 15:42:04 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1800**	**.0002**	**.0039**	**.0017**	**.0071**	**.0215**	**.2770**	**.0151**	**.0001**
Stddev	.0002	.0000	.0001	.0000	.0003	.0001	.0005	.0001	.0001
%RSD	.1101	.2895	1.340	1.970	3.547	.6878	.1921	.5303	168.1
#1	.1798	.0002	.0040	.0017	.0072	.0216	.2773	.0152	.0002
#2	.1801	.0002	.0039	.0017	.0069	.0214	.2766	.0151	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0054**	**1.114**	**.0024**	**-.0013**	**.0214**	**.0034**	**.0004**	**1.972**	**88.83**
Stddev	.0003	.000	.0000	.0002	.0004	.0008	.0010	.002	.45
%RSD	4.802	.0157	.4474	16.03	1.772	22.45	232.7	.1133	.5022
#1	.0056	1.114	.0024	-.0015	.0211	.0029	-.0003	1.971	88.51
#2	.0052	1.114	.0024	-.0012	.0216	.0040	.0012	1.974	89.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**3.111**	**15.37**	**8.802**	**9.191**	**.1732**	**.0021**	**-.0027**	**12.80**	**.0057**
Stddev	.006	.03	.035	.011	.0004	.0000	.0001	.02	.0003
%RSD	.2045	.1920	.3967	.1212	.2111	.8098	5.285	.1256	5.352
#1	3.106	15.35	8.777	9.183	.1729	.0021	-.0028	12.79	.0055
#2	3.115	15.39	8.827	9.199	.1734	.0021	-.0026	12.82	.0059

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5938**	**.0580**	**-.0041**	**.0021**	**17.98**	**.0000**	**.0185**
Stddev	.0015	.0002	.0003	.0000	.06	.000	.0002
%RSD	.2489	.4291	6.244	.7008	.3346	1044.	.9964
#1	.5928	.0582	-.0039	.0021	17.94	.0002	.0184
#2	.5949	.0578	-.0043	.0021	18.03	-.0002	.0186

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99196.**	**13506.**	**1835.9**	**6057.7**
Stddev	18.	58.	2.8	6.8
%RSD	.01823	.43018	.15266	.11195
#1	99209.	13547.	1837.9	6062.5
#2	99183.	13465.	1833.9	6052.9

Zoom In Zoom Out

Sample Name: jb69686-11 Acquired: 6/26/2014 15:48:16 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1360**	**.0003**	**.0013**	**.0025**	**.0029**	**.0053**	**5.544**	**.0236**	**.0014**
Stddev	.0005	.0000	.0001	.0005	.0002	.0002	.018	.0000	.0005
%RSD	.3555	10.39	7.588	20.99	8.307	4.013	.3248	.0937	36.05
#1	.1356	.0003	.0012	.0029	.0031	.0051	5.531	.0236	.0017
#2	.1363	.0003	.0014	.0021	.0028	.0054	5.557	.0236	.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0029**	**.3259**	**.0094**	**-.0033**	**.0035**	**.0015**	**.0003**	**.1329**	**232.1**
Stddev	.0004	.0001	.0014	.0002	.0013	.0021	.0008	.0059	1.3
%RSD	11.96	.0459	15.13	5.004	36.72	137.2	272.6	4.408	.5540
#1	.0027	.3258	.0084	-.0034	.0026	.0030	-.0003	.1288	233.1
#2	.0032	.3260	.0104	-.0032	.0044	.0000	.0009	.1371	231.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**36.64**	**53.36**	**21.75**	**45.09**	**1.155**	**.0003**	**-.0110**	**6.801**	**.0076**
Stddev	.02	.43	.10	.19	.004	.0002	.0001	.014	.0006
%RSD	.0623	.8044	.4486	.4154	.3098	60.91	1.048	.2010	7.384
#1	36.66	53.66	21.68	44.95	1.157	.0005	-.0109	6.810	.0080
#2	36.63	53.06	21.82	45.22	1.152	.0002	-.0111	6.791	.0072

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.229**	**.0076**	**-.0163**	**.0124**	**117.2**	**.0022**	**.0113**
Stddev	.004	.0004	.0013	.0004	.7	.0012	.0011
%RSD	.3278	5.822	7.932	3.389	.6072	54.43	9.734
#1	1.226	.0073	-.0172	.0121	116.7	.0031	.0121
#2	1.232	.0079	-.0154	.0127	117.7	.0014	.0105

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96172.**	**13246.**	**1782.7**	**5898.9**
Stddev	18.	82.	2.5	3.1
%RSD	.01904	.61932	.14067	.05225
#1	96185.	13188.	1780.9	5896.7
#2	96159.	13304.	1784.5	5901.1

Zoom In Zoom Out

Sample Name: jb69686-4f Acquired: 6/26/2014 15:54:28 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0187**	**.0001**	**.0008**	**.0007**	**.0016**	**.0036**	**.2376**	**.0111**	**-.0003**
Stddev	.0000	.0000	.0002	.0001	.0003	.0002	.0004	.0002	.0000
%RSD	.0148	75.43	21.89	17.41	20.73	5.342	.1516	1.731	9.788
#1	.0187	.0001	.0009	.0008	.0018	.0035	.2373	.0113	-.0003
#2	.0187	.0000	.0006	.0006	.0013	.0038	.2378	.0110	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0729**	**.0006**	**.0004**	**.0014**	**.0057**	**.0005**	**-.0324**	**154.2**
Stddev	.0001	.0003	.0014	.0016	.0003	.0019	.0008	.0041	.4
%RSD	39.11	.4333	246.6	459.1	24.18	33.12	165.0	12.52	.2752
#1	-.0002	.0727	-.0004	.0015	.0012	.0044	.0010	-.0295	153.9
#2	-.0001	.0731	.0015	-.0008	.0017	.0070	-.0001	-.0353	154.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2705**	**42.79**	**3.311**	**39.62**	**.2923**	**.0010**	**-.0036**	**12.41**	**.0046**
Stddev	.0012	.24	.015	.12	.0011	.0004	.0004	.06	.0005
%RSD	.4286	.5706	.4382	.3003	.3608	37.25	10.44	.4576	11.59
#1	.2713	42.62	3.300	39.70	.2916	.0012	-.0039	12.37	.0050
#2	.2697	42.96	3.321	39.53	.2931	.0007	-.0033	12.45	.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6864**	**.0011**	**-.0017**	**.0133**	**145.8**	**.0002**	**.0254**
Stddev	.0004	.0000	.0014	.0002	.5	.0000	.0010
%RSD	.0635	3.860	79.54	1.786	.3187	29.12	3.917
#1	.6867	.0010	-.0008	.0134	146.2	.0001	.0261
#2	.6861	.0011	-.0027	.0131	145.5	.0002	.0247

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95529.**	**13161.**	**1764.5**	**5777.3**
Stddev	162.	51.	7.2	8.8
%RSD	.17007	.38737	.40686	.15244
#1	95414.	13197.	1769.6	5783.5
#2	95643.	13125.	1759.4	5771.0

Zoom In Zoom Out

Sample Name: jb69686-7f Acquired: 6/26/2014 16:00:40 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1913**	**.0009**	**.0007**	**.0014**	**.0027**	**.0019**	**.4418**	**.0030**	**.0002**
Stddev	.0001	.0000	.0002	.0002	.0001	.0001	.0006	.0002	.0000
%RSD	.0322	3.634	26.82	10.89	2.681	4.319	.1295	6.063	2.608
#1	.1913	.0009	.0009	.0013	.0026	.0019	.4422	.0028	.0002
#2	.1912	.0009	.0006	.0016	.0027	.0020	.4414	.0031	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.0090**	**.0457**	**-.0124**	**.0033**	**.0061**	**-.0005**	**-.0434**	**144.2**
Stddev	.0000	.0000	.0002	.0018	.0001	.0005	.0000	.0045	.3
%RSD	5.589	.5006	.3480	14.48	4.398	7.555	7.104	10.40	.2291
#1	.0009	.0090	.0456	-.0136	.0032	.0065	-.0005	-.0402	144.5
#2	.0008	.0090	.0458	-.0111	.0034	.0058	-.0005	-.0466	144.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.13**	**99.41**	**45.18**	**93.84**	**1.719**	**.0010**	**-.0069**	**14.72**	**.0047**
Stddev	.04	.28	.00	.15	.007	.0001	.0004	.03	.0008
%RSD	.2109	.2817	.0031	.1642	.3994	5.960	5.661	.2029	17.01
#1	18.15	99.61	45.18	93.73	1.714	.0010	-.0066	14.70	.0041
#2	18.10	99.21	45.18	93.95	1.724	.0011	-.0072	14.74	.0052

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.592**	**.0008**	**-.0015**	**.0063**	**49.72**	**-.0002**	**.0611**
Stddev	.001	.0003	.0010	.0000	.18	.0005	.0002
%RSD	.0305	32.33	67.64	.4594	.3536	219.4	.3202
#1	1.592	.0010	-.0008	.0063	49.59	.0001	.0613
#2	1.592	.0007	-.0022	.0063	49.84	-.0006	.0610

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91910.**	**13106.**	**1714.5**	**5512.7**
Stddev	122.	.	2.5	.3
%RSD	.13259	.00216	.14361	.00533
#1	91996.	13106.	1716.2	5512.5
#2	91824.	13106.	1712.8	5512.9

Zoom In Zoom Out

Sample Name: jb69686-11f Acquired: 6/26/2014 16:06:50 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1104**	**.0002**	**.0019**	**.0023**	**.0020**	**.0029**	**5.563**	**.0268**	**.0004**
Stddev	.0006	.0000	.0001	.0003	.0001	.0002	.005	.0008	.0002
%RSD	.5322	5.704	5.418	11.65	5.535	7.821	.0907	2.890	38.90
#1	.1109	.0002	.0020	.0024	.0019	.0028	5.559	.0274	.0003
#2	.1100	.0002	.0018	.0021	.0021	.0031	5.566	.0263	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.2200**	**.0044**	**-.0039**	**.0012**	**.0006**	**.0004**	**-.0394**	**237.7**
Stddev	.0004	.0000	.0002	.0031	.0000	.0000	.0009	.0081	.6
%RSD	20.75	.0121	5.471	78.61	.2651	4.284	218.5	20.48	.2476
#1	.0025	.2200	.0043	-.0061	.0012	.0007	-.0002	-.0451	237.3
#2	.0018	.2200	.0046	-.0017	.0012	.0006	.0011	-.0337	238.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.34**	**53.18**	**21.58**	**44.88**	**1.145**	**.0002**	**-.0087**	**7.010**	**.0087**
Stddev	.02	.30	.07	.11	.001	.0002	.0014	.021	.0006
%RSD	.1237	.5650	.3344	.2532	.0952	120.9	16.00	.2924	6.883
#1	18.35	52.97	21.63	44.96	1.145	.0000	-.0097	6.995	.0092
#2	18.32	53.39	21.53	44.80	1.146	.0004	-.0078	7.024	.0083

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.223**	**.0011**	**-.0206**	**.0120**	**129.6**	**.0018**	**.0136**
Stddev	.002	.0006	.0011	.0000	.4	.0007	.0001
%RSD	.1655	54.13	5.430	.1090	.3050	42.13	.9809
#1	1.224	.0007	-.0198	.0120	129.3	.0012	.0135
#2	1.221	.0016	-.0214	.0120	129.9	.0023	.0137

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96405.**	**13238.**	**1786.3**	**5889.2**
Stddev	19.	23.	.7	5.1
%RSD	.01957	.17515	.04011	.08576
#1	96418.	13254.	1785.7	5892.7
#2	96391.	13221.	1786.8	5885.6

Zoom In Zoom Out

Sample Name: jb69686-12f Acquired: 6/26/2014 16:12:59 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.986**	**.0012**	**.0009**	**.0027**	**.0037**	**.0028**	**.1677**	**.0047**	**.0002**
Stddev	.002	.0000	.0001	.0001	.0002	.0001	.0004	.0000	.0001
%RSD	.0370	2.281	6.718	4.498	6.121	1.861	.2537	.7668	24.31
#1	4.985	.0012	.0009	.0026	.0035	.0029	.1680	.0047	.0003
#2	4.987	.0012	.0009	.0028	.0038	.0028	.1674	.0048	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0025**	**.0090**	**.0275**	**-.0126**	**.0044**	**.0063**	**-.0017**	**-.0606**	**179.7**
Stddev	.0000	.0001	.0010	.0020	.0007	.0007	.0003	.0038	.5
%RSD	.7001	.8821	3.704	15.68	15.38	11.53	18.02	6.325	.2693
#1	.0025	.0090	.0283	-.0139	.0049	.0057	-.0015	-.0578	179.4
#2	.0025	.0091	.0268	-.0112	.0039	.0068	-.0019	-.0633	180.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**28.72**	**156.1**	**58.46**	**188.2**	**4.946**	**.0013**	**-.0098**	**12.78**	**.0053**
Stddev	.06	.3	.04	1.3	.007	.0003	.0003	.02	.0008
%RSD	.1959	.2072	.0667	.6872	.1487	19.67	3.446	.1512	15.09
#1	28.68	155.9	58.49	187.3	4.951	.0011	-.0100	12.79	.0047
#2	28.76	156.4	58.43	189.1	4.941	.0015	-.0095	12.77	.0059

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.845**	**.0014**	**-.0024**	**.0095**	**1.936**	**-.0003**	**.0632**
Stddev	.004	.0002	.0004	.0000	.011	.0003	.0006
%RSD	.1336	12.74	16.13	.3028	.5408	111.0	1.002
#1	2.842	.0012	-.0021	.0095	1.928	-.0001	.0636
#2	2.847	.0015	-.0027	.0095	1.943	-.0004	.0627

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88986.**	**13000.**	**1650.5**	**5265.1**
Stddev	106.	12.	3.6	.8
%RSD	.11874	.09603	.21615	.01582
#1	88911.	13009.	1648.0	5264.5
#2	89060.	12991.	1653.1	5265.7

Zoom In Zoom Out

Sample Name: mp80281-mb1 2 Acquired: 6/26/2014 16:19:16 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0002**	**-.0002**	**.0001**	**.0003**	**.0000**	**.0001**	**-.0001**
Stddev	.0000	.000	.0002	.0000	.0003	.0000	.0000	.0000	.0002
%RSD	36.75	6.625	120.3	18.11	486.3	4.498	100.2	11.07	332.6
#1	.0001	.0000	.0003	-.0003	.0002	.0003	.0000	.0001	-.0002
#2	.0001	.0000	.0000	-.0002	-.0001	.0003	.0000	.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0003**	**.0007**	**-.0003**	**.0002**	**-.0007**	**.0019**	**.0001**	**-.0006**	**.0089**
Stddev	.0001	.0000	.0003	.0006	.0002	.0007	.0008	.0017	.0003
%RSD	52.83	.5620	97.05	295.1	30.33	37.85	529.1	277.2	3.283
#1	-.0004	.0007	-.0001	.0007	-.0006	.0024	.0007	-.0019	.0087
#2	-.0002	.0007	-.0005	-.0002	-.0009	.0014	-.0004	.0006	.0091

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0018**	**-.0173**	**.0278**	**.0137**	**.0038**	**-.0007**	**.0001**	**.0039**	**.0007**
Stddev	.0015	.0038	.0112	.0021	.0002	.0001	.0000	.0003	.0000
%RSD	83.23	22.29	40.20	15.14	4.765	12.47	29.26	7.105	6.087
#1	.0029	-.0200	.0199	.0122	.0040	-.0006	.0001	.0037	.0007
#2	.0008	-.0145	.0357	.0152	.0037	-.0007	.0001	.0041	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0001**	**-.0105**	**-.0004**	**.0038**	**-.0007**	**-.0006**
Stddev	.0000	.0001	.0004	.0002	.0002	.0008	.0009
%RSD	57.78	79.28	4.231	44.21	4.316	107.4	153.4
#1	.0000	.0002	-.0102	-.0006	.0036	-.0002	.0001
#2	.0001	.0000	-.0108	-.0003	.0039	-.0013	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102220.**	**13690.**	**1917.6**	**6586.6**
Stddev	2691.	82.	2.2	2.4
%RSD	2.6330	.59806	.11532	.03611
#1	100310.	13748.	1919.2	6588.2
#2	104120.	13632.	1916.1	6584.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 16:25:35 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.949**	**1.975**	**1.976**	**1.962**	**1.948**	**1.896**	**1.976**	**1.984**	**.2379**
Stddev	.002	.002	.001	.005	.001	.004	.001	.001	.0005
%RSD	.0882	.1136	.0697	.2496	.0505	.2123	.0352	.0343	.2308
#1	1.951	1.974	1.975	1.965	1.949	1.899	1.975	1.984	.2383
#2	1.948	1.977	1.977	1.958	1.947	1.893	1.976	1.983	.2375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.924**	**2.003**	**1.947**	**2.093**	**1.983**	**1.959**	**1.947**	**38.30**	**39.41**
Stddev	.000	.000	.004	.007	.003	.004	.001	.04	.07
%RSD	.0137	.0177	.1937	.3525	.1640	.2032	.0247	.1167	.1734
#1	1.924	2.003	1.944	2.088	1.985	1.956	1.947	38.33	39.37
#2	1.925	2.003	1.950	2.098	1.981	1.962	1.946	38.26	39.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.58**	**38.82**	**39.10**	**38.67**	**1.982**	**1.978**	**1.900**	**4.877**	**2.015**
Stddev	.03	.13	.04	.00	.003	.003	.001	.002	.004
%RSD	.0757	.3369	.0974	.0117	.1735	.1339	.0271	.0409	.1941
#1	39.56	38.73	39.07	38.67	1.980	1.976	1.900	4.876	2.012
#2	39.60	38.91	39.13	38.68	1.985	1.979	1.900	4.879	2.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 16:25:35 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.985**	**1.937**	**1.821**	**1.928**	**1.919**	**1.957**	**1.937**
Stddev	.002	.001	.010	.001	.009	.002	.001
%RSD	.1110	.0552	.5472	.0265	.4948	.0997	.0494
#1	1.986	1.937	1.814	1.928	1.913	1.958	1.938
#2	1.983	1.938	1.828	1.928	1.926	1.955	1.937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99272.**	**13590.**	**1888.7**	**6058.9**
Stddev	52.	1.	1.5	.4
%RSD	.05188	.00731	.08205	.00640
#1	99308.	13589.	1889.8	6059.1
#2	99235.	13591.	1887.7	6058.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 16:31:38 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0001**	**.0000**	**.0001**	**-.0001**	**.0000**	**.0000**	**.0000**
Stddev	.0000	.0000	.0002	.000	.0000	.0002	.0000	.000	.000
%RSD	3.569	17.74	201.0	164.3	37.96	170.8	122.8	204.5	771.7
#1	.0001	-.0001	.0000	-.0001	.0001	-.0002	.0000	.0000	-.0002
#2	.0002	-.0001	.0002	.0000	.0002	.0000	.0000	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0000**	**-.0005**	**.0005**	**-.0001**	**-.0004**	**.0001**	**-.0083**	**.0021**
Stddev	.0002	.0000	.0004	.0007	.0010	.0011	.0002	.0022	.0034
%RSD	88.71	78.32	83.64	129.7	1175.	261.4	153.6	26.23	158.7
#1	-.0001	.0001	-.0002	.0000	.0006	-.0012	.0000	-.0098	-.0003
#2	-.0004	.0000	-.0008	.0010	-.0008	.0003	.0003	-.0068	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**-.0129**	**.0013**	**.0023**	**.0024**	**.0009**	**.0009**	**.0025**	**.0006**
Stddev	.0009	.0184	.0054	.0028	.0001	.0005	.0005	.0004	.0000
%RSD	36.56	142.0	403.2	118.8	4.013	53.18	50.06	14.19	8.556
#1	.0017	-.0259	.0051	.0043	.0025	.0013	.0013	.0028	.0006
#2	.0030	.0001	-.0025	.0004	.0024	.0006	.0006	.0023	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 16:31:38 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0006**	**.0001**	**.0011**	**.0006**	**-.0004**
Stddev	.0000	.0000	.0011	.0000	.0009	.0003	.0007
%RSD	73.48	40.45	170.4	43.72	79.40	44.75	177.3
#1	.0001	.0001	.0001	.0001	.0005	.0004	.0001
#2	.0000	.0001	-.0014	.0001	.0017	.0008	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104000.**	**13494.**	**1938.5**	**6621.6**
Stddev	327.	61.	6.4	10.8
%RSD	.31407	.45205	.33154	.16305
#1	104230.	13537.	1934.0	6614.0
#2	103770.	13451.	1943.1	6629.3

Zoom In Zoom Out

Sample Name: mp80281-lc1 Acquired: 6/26/2014 16:37:57 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4821**	**.4916**	**.4869**	**.4710**	**.4874**	**.4565**	**.5012**	**.4868**	**.1800**
Stddev	.0004	.0001	.0015	.0008	.0001	.0007	.0002	.0001	.0003
%RSD	.0780	.0296	.3121	.1757	.0169	.1561	.0389	.0139	.1416
#1	.4824	.4917	.4880	.4704	.4873	.4570	.5014	.4867	.1798
#2	.4818	.4915	.4859	.4716	.4874	.4559	.5011	.4868	.1802

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4871**	**.5008**	**.4818**	**.5194**	**.4908**	**.4938**	**.4750**	**4.726**	**5.268**
Stddev	.0010	.0002	.0022	.0004	.0010	.0027	.0002	.020	.016
%RSD	.2140	.0428	.4660	.0761	.1948	.5482	.0397	.4143	.2947
#1	.4878	.5006	.4834	.5197	.4901	.4919	.4748	4.739	5.257
#2	.4863	.5009	.4802	.5191	.4915	.4957	.4751	4.712	5.279

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.415**	**5.206**	**9.694**	**9.591**	**.0058**	**.4927**	**-.0048**	**.0255**	**.0030**
Stddev	.016	.033	.035	.013	.0004	.0001	.0001	.0000	.0000
%RSD	.2991	.6266	.3582	.1401	7.256	.0184	1.598	.0288	.2471
#1	5.403	5.183	9.669	9.600	.0061	.4928	-.0049	.0255	.0030
#2	5.426	5.229	9.718	9.581	.0055	.4926	-.0048	.0255	.0030

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4909**	**.0017**	**.0067**	**-.0012**	**-.0002**	**.0005**
Stddev	.0000	.0008	.0005	.0002	.0003	.0012	.0007
%RSD	.5119	.1644	26.97	3.344	26.01	597.4	129.6
#1	-.0001	.4915	.0020	.0068	-.0014	-.0011	.0010
#2	-.0001	.4903	.0014	.0065	-.0010	.0007	.0000

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101710.**	**13594.**	**1906.0**	**6386.2**
Stddev	330.	40.	5.2	5.1
%RSD	.32435	.29137	.27065	.08017
#1	101480.	13622.	1902.4	6382.6
#2	101950.	13566.	1909.7	6389.8

Zoom In Zoom Out

Sample Name: mp80281-s1 Acquired: 6/26/2014 16:44:04 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.865**	**.0475**	**.0501**	**.4751**	**.2185**	**.2418**	**1.041**	**.4865**	**.0499**
Stddev	.001	.0000	.0001	.0010	.0001	.0011	.001	.0007	.0002
%RSD	.0442	.0806	.2759	.2042	.0396	.4519	.0592	.1481	.3890
#1	1.866	.0475	.0500	.4744	.2184	.2410	1.040	.4860	.0500
#2	1.864	.0475	.0502	.4757	.2185	.2425	1.041	.4870	.0498

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4748**	**.5301**	**2.076**	**1.895**	**.4808**	**2.150**	**.4995**	**3.129**	**193.7**
Stddev	.0010	.0013	.005	.013	.0035	.004	.0009	.004	.6
%RSD	.2057	.2476	.2629	.6606	.7197	.2080	.1891	.1245	.3344
#1	.4742	.5292	2.072	1.887	.4783	2.147	.4989	3.126	194.2
#2	.4755	.5310	2.080	1.904	.4832	2.153	.5002	3.132	193.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.637**	**27.31**	**26.84**	**612.6**	**.0775**	**.0033**	**-.0100**	**8.261**	**.0057**
Stddev	.003	.15	.01	4.2	.0001	.0002	.0001	.010	.0001
%RSD	.0943	.5639	.0208	.6828	.1382	6.786	1.057	.1214	1.128
#1	2.639	27.42	26.84	615.5	.0776	.0035	-.0101	8.253	.0057
#2	2.635	27.20	26.84	609.6	.0775	.0031	-.0099	8.268	.0058

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1694**	**.0307**	**-.0054**	**.0366**	**346.5**	**-.0001**	**.0031**
Stddev	.0004	.0002	.0003	.0000	.9	.0002	.0005
%RSD	.2120	.7264	6.183	.0052	.2577	155.9	16.54
#1	.1697	.0306	-.0056	.0366	345.9	-.0002	.0035
#2	.1692	.0309	-.0051	.0366	347.1	.0000	.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88265.**	**13075.**	**1658.8**	**5024.0**
Stddev	29.	38.	2.9	11.1
%RSD	.03317	.28866	.17731	.22114
#1	88286.	13049.	1660.9	5031.8
#2	88244.	13102.	1656.8	5016.1

Zoom In Zoom Out

Sample Name: mp80281-s1 Acquired: 6/26/2014 16:50:14 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.821**	**.0472**	**.0482**	**.4623**	**.2237**	**.2286**	**1.056**	**.4767**	**.0455**
Stddev	.001	.0003	.0006	.0006	.0017	.0001	.002	.0013	.0013
%RSD	.0348	.5731	1.233	.1397	.7791	.0547	.1432	.2645	2.782
#1	1.821	.0474	.0486	.4618	.2249	.2285	1.057	.4776	.0446
#2	1.820	.0470	.0478	.4627	.2225	.2287	1.055	.4758	.0464

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4688**	**.5383**	**1.944**	**1.988**	**.4842**	**1.949**	**.4650**	**3.034**	**195.0**
Stddev	.0013	.0015	.009	.025	.0016	.006	.0059	.035	1.0
%RSD	.2795	.2805	.4360	1.285	.3308	.2927	1.275	1.165	.5215
#1	.4678	.5373	1.950	2.006	.4831	1.945	.4692	3.009	195.7
#2	.4697	.5394	1.938	1.970	.4854	1.953	.4608	3.059	194.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.674**	**27.46**	**25.78**	**644.3**	**.0555**	**.0017**	**-.0103**	**8.002**	**.0156**
Stddev	.007	.24	.03	15.2	.0017	.0001	.0018	.015	.0029
%RSD	.2579	.8882	.1012	2.354	3.137	3.196	17.30	.1860	18.32
#1	2.678	27.63	25.80	655.1	.0542	.0017	-.0116	7.991	.0135
#2	2.669	27.29	25.77	633.6	.0567	.0017	-.0091	8.012	.0176

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1679**	**.0358**	**-.0456**	**.0327**	**344.1**	**.0020**	**.0050**
Stddev	.0006	.0011	.0011	.0001	.5	.0032	.0029
%RSD	.3401	2.947	2.417	.2135	.1417	159.9	59.08
#1	.1675	.0365	-.0464	.0327	344.5	-.0003	.0029
#2	.1683	.0350	-.0448	.0328	343.8	.0043	.0071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98726.**	**13676.**	**1868.7**	**5975.7**
Stddev	16.	116.	1.9	5.2
%RSD	.01574	.84726	.10259	.08768
#1	98737.	13594.	1870.1	5979.4
#2	98715.	13758.	1867.4	5972.0

Zoom In Zoom Out

Sample Name: mp80281-s2 Acquired: 6/26/2014 16:56:30 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.859**	**.0470**	**.0497**	**.4726**	**.2170**	**.2401**	**1.027**	**.4852**	**.0496**
Stddev	.001	.0000	.0002	.0002	.0011	.0005	.002	.0004	.0007
%RSD	.0698	.0575	.4887	.0365	.5284	.1908	.1824	.0902	1.431
#1	1.860	.0471	.0496	.4724	.2162	.2405	1.025	.4849	.0491
#2	1.858	.0470	.0499	.4727	.2178	.2398	1.028	.4855	.0501

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4724**	**.5268**	**2.067**	**1.906**	**.4802**	**2.146**	**.4966**	**3.128**	**188.0**
Stddev	.0013	.0023	.008	.013	.0003	.002	.0000	.000	.3
%RSD	.2777	.4373	.3910	.6955	.0561	.0876	.0100	.0071	.1488
#1	.4715	.5252	2.062	1.896	.4800	2.145	.4966	3.128	188.2
#2	.4733	.5284	2.073	1.915	.4803	2.147	.4965	3.128	187.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.605**	**26.89**	**26.65**	**593.8**	**.0756**	**.0030**	**-.0097**	**8.195**	**.0059**
Stddev	.006	.13	.04	3.2	.0006	.0002	.0005	.010	.0003
%RSD	.2289	.4924	.1493	.5445	.7299	7.723	4.854	.1167	4.414
#1	2.609	26.98	26.68	596.1	.0760	.0028	-.0100	8.188	.0061
#2	2.600	26.79	26.62	591.5	.0752	.0031	-.0093	8.201	.0057

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1658**	**.0328**	**-.0072**	**.0353**	**342.8**	**-.0011**	**.0038**
Stddev	.0001	.0017	.0008	.0003	1.8	.0002	.0008
%RSD	.0547	5.163	10.61	.8743	.5223	13.98	20.63
#1	.1657	.0316	-.0066	.0351	341.6	-.0010	.0032
#2	.1658	.0340	-.0077	.0355	344.1	-.0012	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88131.**	**13188.**	**1663.1**	**5033.4**
Stddev	76.	78.	3.4	5.4
%RSD	.08663	.59428	.20514	.10673
#1	88185.	13132.	1665.5	5037.2
#2	88077.	13243.	1660.7	5029.6

Zoom In Zoom Out

Sample Name: mp80281-s2 Acquired: 6/26/2014 17:02:41 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.812**	**.0468**	**.0491**	**.4619**	**.2223**	**.2325**	**1.049**	**.4727**	**.0452**
Stddev	.001	.0004	.0004	.0014	.0005	.0003	.004	.0004	.0010
%RSD	.0674	.9493	.7932	.3100	.2036	.1188	.3649	.0893	2.219
#1	1.813	.0471	.0488	.4629	.2220	.2324	1.047	.4724	.0445
#2	1.811	.0465	.0494	.4609	.2226	.2327	1.052	.4730	.0459

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4764**	**.5332**	**1.941**	**1.975**	**.4864**	**1.946**	**.4683**	**3.011**	**189.1**
Stddev	.0029	.0035	.012	.014	.0008	.010	.0008	.018	.4
%RSD	.6186	.6654	.6333	.6892	.1607	.4935	.1752	.5978	.2361
#1	.4744	.5307	1.932	1.985	.4858	1.953	.4677	3.024	189.4
#2	.4785	.5357	1.949	1.966	.4869	1.939	.4689	2.999	188.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.608**	**26.79**	**25.62**	**640.8**	**.0519**	**.0013**	**-.0122**	**7.815**	**.0168**
Stddev	.010	.01	.15	.5	.0017	.0000	.0011	.014	.0000
%RSD	.3922	.0351	.5856	.0772	3.271	3.377	9.027	.1827	.0038
#1	2.601	26.79	25.72	641.2	.0507	.0013	-.0130	7.805	.0168
#2	2.616	26.80	25.51	640.5	.0531	.0014	-.0114	7.825	.0168

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1626**	**.0318**	**-.0503**	**.0313**	**337.1**	**.0033**	**.0047**
Stddev	.0004	.0004	.0005	.0003	1.6	.0006	.0047
%RSD	.2612	1.103	.9899	.8470	.4604	16.61	98.83
#1	.1629	.0315	-.0499	.0315	338.2	.0030	.0014
#2	.1623	.0320	-.0506	.0312	336.1	.0037	.0081

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97491.**	**13661.**	**1863.0**	**5952.0**
Stddev	1.	33.	2.4	14.6
%RSD	.00086	.24452	.13074	.24588
#1	97490.	13637.	1861.3	5941.6
#2	97491.	13684.	1864.7	5962.3

Zoom In Zoom Out

Sample Name: jb69865-6 Acquired: 6/26/2014 17:08:58 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0224**	**.0001**	**.0027**	**.0014**	**.0357**	**.0121**	**.5394**	**.0030**	**.0005**
Stddev	.0001	.0000	.0001	.0001	.0005	.0003	.0014	.0005	.0002
%RSD	.2438	1.680	4.458	4.409	1.432	2.643	.2613	15.92	44.72
#1	.0224	.0001	.0027	.0013	.0354	.0123	.5385	.0027	.0007
#2	.0223	.0001	.0026	.0014	.0361	.0118	.5404	.0034	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0125**	**.0512**	**.0018**	**.0031**	**.0033**	**.0035**	**.0043**	**1.120**	**158.6**
Stddev	.0001	.0001	.0012	.0006	.0005	.0029	.0006	.000	.3
%RSD	.6635	.2159	65.63	17.61	14.24	82.03	12.93	.0306	.1773
#1	.0124	.0512	.0027	.0035	.0030	.0056	.0039	1.121	158.4
#2	.0125	.0513	.0010	.0027	.0036	.0015	.0047	1.120	158.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.670**	**4.103**	**2.406**	**550.6**	**.0698**	**.0014**	**-.0039**	**7.397**	**.0046**
Stddev	.004	.022	.009	3.9	.0012	.0001	.0001	.024	.0009
%RSD	.2228	.5255	.3955	.7153	1.727	3.678	3.482	.3201	19.43
#1	1.668	4.088	2.399	553.3	.0689	.0014	-.0038	7.381	.0052
#2	1.673	4.118	2.413	547.8	.0706	.0015	-.0040	7.414	.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1560**	**.0303**	**-.0098**	**.0308**	**319.3**	**.0003**	**.0029**
Stddev	.0006	.0000	.0004	.0002	.9	.0001	.0003
%RSD	.3823	.1196	4.346	.5682	.2731	18.74	9.524
#1	.1556	.0303	-.0095	.0307	318.7	.0004	.0031
#2	.1564	.0303	-.0101	.0309	319.9	.0003	.0027

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89396.**	**13109.**	**1692.0**	**5139.2**
Stddev	312.	35.	2.3	10.5
%RSD	.34874	.27077	.13578	.20431
#1	89176.	13134.	1693.6	5146.6
#2	89617.	13084.	1690.3	5131.8

Zoom In Zoom Out

Sample Name: jb69865-6 Acquired: 6/26/2014 17:15:18 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0228**	**.0000**	**.0045**	**.0013**	**.0388**	**.0141**	**.5510**	**.0015**	**-.0002**
Stddev	.0004	.000	.0014	.0024	.0008	.0012	.0014	.0013	.0008
%RSD	1.926	1038.	30.89	186.2	2.048	8.425	.2505	86.87	327.0
#1	.0225	-.0001	.0055	-.0004	.0393	.0132	.5501	.0023	.0003
#2	.0231	.0001	.0035	.0030	.0382	.0149	.5520	.0006	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0100**	**.0518**	**.0003**	**.0131**	**.0047**	**-.0047**	**.0031**	**1.062**	**160.2**
Stddev	.0010	.0008	.0001	.0059	.0003	.0008	.0004	.003	.6
%RSD	9.931	1.450	29.35	45.29	6.989	16.54	12.49	.2742	.3593
#1	.0093	.0523	.0003	.0089	.0050	-.0053	.0028	1.060	159.8
#2	.0107	.0513	.0004	.0172	.0045	-.0042	.0034	1.064	160.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.716**	**4.113**	**2.485**	**596.7**	**.0496**	**-.0013**	**-.0055**	**7.234**	**.0137**
Stddev	.015	.025	.055	.3	.0014	.0002	.0037	.007	.0010
%RSD	.8747	.6085	2.202	.0523	2.781	18.58	65.88	.1026	6.966
#1	1.727	4.095	2.446	596.5	.0505	-.0012	-.0030	7.239	.0130
#2	1.705	4.131	2.523	596.9	.0486	-.0015	-.0081	7.228	.0143

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1557**	**.0303**	**-.0532**	**.0285**	**320.5**	**.0029**	**-.0002**
Stddev	.0003	.0009	.0006	.0005	.2	.0026	.0034
%RSD	.1668	2.838	1.086	1.585	.0584	89.46	2010.
#1	.1556	.0309	-.0536	.0281	320.6	.0011	.0023
#2	.1559	.0297	-.0528	.0288	320.4	.0047	-.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97633.**	**13394.**	**1854.5**	**5958.2**
Stddev	65.	41.	1.8	.3
%RSD	.06654	.30437	.09798	.00433
#1	97587.	13423.	1853.2	5958.1
#2	97679.	13365.	1855.7	5958.4

Zoom In Zoom Out

Sample Name: mp80281-sd1 Acquired: 6/26/2014 17:21:32 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0227**	**.0001**	**.0040**	**.0016**	**.0395**	**.0136**	**.5483**	**.0032**	**-.0013**
Stddev	.0001	.0001	.0006	.0012	.0005	.0005	.0034	.0016	.0013
%RSD	.2333	293.7	16.11	72.02	1.377	3.393	.6220	50.32	100.9
#1	.0227	.0002	.0035	.0025	.0399	.0139	.5507	.0021	-.0004
#2	.0228	-.0001	.0044	.0008	.0391	.0132	.5459	.0044	-.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0107**	**.0515**	**.0017**	**.0086**	**.0023**	**-.0030**	**.0021**	**1.090**	**163.9**
Stddev	.0009	.0015	.0023	.0019	.0018	.0057	.0015	.001	1.3
%RSD	8.510	2.946	131.5	22.21	81.57	187.1	72.00	.1304	.8135
#1	.0101	.0504	.0033	.0099	.0036	-.0070	.0010	1.089	164.9
#2	.0114	.0525	.0001	.0072	.0010	.0010	.0032	1.091	163.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.747**	**4.218**	**2.379**	**593.5**	**.0448**	**-.0004**	**-.0032**	**7.116**	**.0171**
Stddev	.027	.112	.000	17.9	.0047	.0005	.0025	.194	.0003
%RSD	1.539	2.648	.0066	3.016	10.55	123.4	78.65	2.730	1.605
#1	1.766	4.297	2.379	606.2	.0414	-.0008	-.0014	6.979	.0169
#2	1.728	4.139	2.379	580.8	.0481	-.0001	-.0049	7.253	.0173

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1599**	**.0305**	**-.0523**	**.0287**	**314.9**	**.0038**	**.0008**
Stddev	.0024	.0017	.0042	.0007	5.5	.0026	.0026
%RSD	1.522	5.634	7.996	2.562	1.744	69.51	308.6
#1	.1616	.0317	-.0553	.0282	311.0	.0056	.0026
#2	.1582	.0292	-.0493	.0292	318.8	.0019	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97371.**	**13267.**	**1854.6**	**5970.7**
Stddev	39.	7.	46.8	139.0
%RSD	.03997	.05520	2.5209	2.3282
#1	97344.	13262.	1887.6	6069.0
#2	97399.	13272.	1821.5	5872.4

Zoom In Zoom Out

Sample Name: mp80281-sd1 Acquired: 6/26/2014 17:27:47 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0234**	**-.0007**	**.0061**	**.0003**	**.0477**	**.0204**	**.5928**	**-.0025**	**-.0041**
Stddev	.0002	.0001	.0035	.0005	.0021	.0119	.0320	.0069	.0007
%RSD	1.045	15.97	57.18	211.7	4.348	58.51	5.398	275.6	16.06
#1	.0233	-.0008	.0036	.0006	.0462	.0288	.6154	-.0074	-.0036
#2	.0236	-.0007	.0086	-.0001	.0491	.0120	.5702	.0024	-.0046

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0132**	**.0564**	**-.0091**	**.0240**	**.0208**	**-.0346**	**.0289**	**1.034**	**166.9**
Stddev	.0043	.0006	.0029	.0090	.0040	.0187	.0195	.075	.8
%RSD	32.88	1.030	31.16	37.35	19.14	54.06	67.52	7.265	.4898
#1	.0162	.0560	-.0112	.0303	.0236	-.0478	.0151	1.087	167.5
#2	.0101	.0568	-.0071	.0176	.0180	-.0214	.0427	.9811	166.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.773**	**4.003**	**2.191**	**615.9**	**.0101**	**-.0157**	**-.0028**	**7.435**	**.0346**
Stddev	.037	.241	.138	1.3	.0116	.0017	.0222	.014	.0090
%RSD	2.102	6.026	6.290	.2078	114.4	10.82	791.5	.1816	26.05
#1	1.799	3.833	2.288	616.8	.0183	-.0145	.0129	7.425	.0410
#2	1.746	4.174	2.093	615.0	.0019	-.0169	-.0185	7.444	.0283

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1622**	**.0324**	**-.2612**	**.0150**	**318.1**	**.0188**	**.0031**
Stddev	.0004	.0071	.0026	.0009	.9	.0080	.0003
%RSD	.2616	21.88	1.003	5.989	.2742	42.51	10.66
#1	.1625	.0374	-.2631	.0143	318.7	.0245	.0033
#2	.1619	.0274	-.2594	.0156	317.5	.0132	.0029

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98632.**	**13512.**	**1911.0**	**6388.9**
Stddev	4674.	54.	2.8	5.1
%RSD	4.7390	.40212	.14644	.07963
#1	95327.	13473.	1909.0	6385.3
#2	101940.	13550.	1912.9	6392.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 17:34:01 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.954**	**1.970**	**1.990**	**1.976**	**1.959**	**1.911**	**1.986**	**2.001**	**.2383**
Stddev	.004	.005	.003	.001	.001	.003	.003	.001	.0002
%RSD	.1872	.2668	.1656	.0689	.0417	.1369	.1429	.0371	.0926
#1	1.951	1.966	1.988	1.975	1.959	1.913	1.984	2.002	.2382
#2	1.956	1.973	1.993	1.977	1.960	1.909	1.988	2.001	.2385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.934**	**2.017**	**1.971**	**2.113**	**2.000**	**1.976**	**1.960**	**38.55**	**39.29**
Stddev	.002	.001	.001	.015	.004	.004	.002	.01	.05
%RSD	.1161	.0659	.0327	.6840	.1971	.2288	.0790	.0293	.1352
#1	1.932	2.016	1.971	2.123	2.003	1.979	1.961	38.55	39.26
#2	1.935	2.018	1.972	2.103	1.997	1.973	1.958	38.56	39.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.20**	**38.63**	**39.20**	**38.77**	**1.993**	**1.997**	**1.915**	**4.929**	**2.030**
Stddev	.09	.12	.10	.05	.003	.002	.007	.001	.003
%RSD	.2276	.2999	.2668	.1250	.1597	.0743	.3482	.0279	.1454
#1	39.14	38.54	39.13	38.74	1.991	1.996	1.920	4.930	2.032
#2	39.27	38.71	39.27	38.81	1.995	1.998	1.911	4.928	2.028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 17:34:01 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 1

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.992**	**1.951**	**1.848**	**1.942**	**1.937**	**1.972**	**1.954**
Stddev	.007	.001	.009	.002	.013	.002	.006
%RSD	.3743	.0487	.5082	.0969	.6706	.0999	.2884
#1	1.987	1.950	1.841	1.943	1.946	1.971	1.950
#2	1.997	1.951	1.855	1.940	1.928	1.974	1.958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99135.**	**13599.**	**1880.7**	**6030.2**
Stddev	2.	7.	1.0	1.2
%RSD	.00219	.05291	.05144	.02007
#1	99137.	13594.	1881.4	6029.4
#2	99134.	13604.	1880.0	6031.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 17:40:03 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0002**	**.0002**	**.0002**	**.0001**	**.0000**	**.0002**	**-.0002**	**.0000**
Stddev	.0000	.0000	.0000	.0002	.0001	.0001	.0000	.0000	.000
%RSD	.0743	17.11	10.34	77.64	77.15	186.7	16.60	10.54	687.5
#1	.0003	.0002	.0002	.0001	.0001	.0000	.0002	-.0002	-.0001
#2	.0003	.0002	.0002	.0003	.0002	.0001	.0002	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0007**	**.0006**	**-.0004**	**.0005**	**.0007**	**.0004**	**.0008**
Stddev	.000	.0001	.0002	.0003	.0002	.0001	.0005	.0002	.0010
%RSD	1700.	68.37	33.42	48.66	47.58	15.96	73.45	54.48	129.2
#1	.0002	.0001	.0005	.0008	-.0003	.0004	.0003	.0006	.0015
#2	-.0002	.0003	.0009	.0004	-.0005	.0005	.0011	.0003	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**-.0072**	**.0106**	**.0278**	**.0017**	**.0009**	**.0006**	**.0017**	**.0001**
Stddev	.0030	.0017	.0029	.0007	.0005	.0002	.0000	.0004	.0000
%RSD	54.23	23.37	27.11	2.541	28.26	19.63	5.265	22.28	48.24
#1	.0078	-.0060	.0085	.0283	.0020	.0010	.0007	.0014	.0000
#2	.0035	-.0084	.0126	.0273	.0013	.0008	.0006	.0019	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 17:40:03 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0004**	**-.0013**	**.0002**	**.0015**	**.0005**	**-.0002**
Stddev	.0000	.0000	.0012	.0000	.0006	.0008	.0008
%RSD	19.93	.1368	94.10	14.15	41.71	163.2	386.8
#1	.0003	.0004	-.0004	.0002	.0020	.0011	.0003
#2	.0002	.0004	-.0021	.0002	.0011	-.0001	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103350.**	**13587.**	**1967.7**	**6691.3**
Stddev	274.	70.	.1	4.3
%RSD	.26539	.51300	.00667	.06412
#1	103150.	13636.	1967.8	6694.3
#2	103540.	13537.	1967.6	6688.2

Zoom In Zoom Out

Sample Name: jb69858-1f Acquired: 6/26/2014 17:46:22 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0115**	**.0000**	**.0004**	**.0017**	**.6321**	**.0055**	**.1385**	**.0493**	**-.0004**
Stddev	.0000	.0002	.0001	.0002	.0068	.0006	.0003	.0006	.0004
%RSD	.1269	1664.	12.08	12.25	1.076	9.964	.2485	1.283	114.3
#1	.0115	.0001	.0004	.0018	.6369	.0051	.1387	.0488	-.0007
#2	.0115	-.0001	.0005	.0016	.6273	.0059	.1382	.0497	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.9158**	**-.0005**	**.0041**	**-.0022**	**-.0012**	**-.0003**	**.0176**	**4.005**
Stddev	.0003	.0039	.0042	.0020	.0013	.0039	.0010	.0059	.015
%RSD	92.54	.4250	778.2	50.36	57.64	322.6	316.7	33.60	.3732
#1	.0001	.9186	-.0035	.0055	-.0032	-.0039	.0004	.0135	4.016
#2	.0006	.9131	.0024	.0026	-.0013	.0015	-.0010	.0218	3.994

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.791**	**4.336**	**2.386**	**350.0**	**.1126**	**.0018**	**.0006**	**2.465**	**.0021**
Stddev	.014	.039	.035	1.1	.0015	.0008	.0017	.011	.0024
%RSD	.4868	.9024	1.475	.3090	1.351	46.28	285.6	.4393	114.4
#1	2.800	4.308	2.410	350.8	.1115	.0024	-.0006	2.473	.0004
#2	2.781	4.364	2.361	349.3	.1137	.0012	.0018	2.457	.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0360**	**.0011**	**-.0089**	**.0220**	**227.7**	**.0007**	**-.0025**
Stddev	.0004	.0001	.0021	.0001	.9	.0017	.0016
%RSD	.9778	10.89	23.24	.2604	.4122	256.6	64.39
#1	.0363	.0011	-.0075	.0220	228.4	-.0005	-.0013
#2	.0358	.0010	-.0104	.0220	227.1	.0019	-.0036

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97860.**	**13337.**	**1847.8**	**5998.9**
Stddev	195.	7.	6.1	9.1
%RSD	.19902	.05215	.33132	.15145
#1	97998.	13342.	1852.1	6005.4
#2	97722.	13332.	1843.4	5992.5

Zoom In Zoom Out

Sample Name: jb69865-1 Acquired: 6/26/2014 17:52:34 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0741**	**.0010**	**.0079**	**.0905**	**.0133**	**.2539**	**81.11**	**.0934**	**.0001**
Stddev	.0020	.0003	.0013	.0005	.0026	.0006	.08	.0052	.0009
%RSD	2.662	25.59	16.65	.6047	19.67	.2293	.1047	5.527	605.6
#1	.0727	.0012	.0070	.0909	.0115	.2543	81.05	.0898	-.0005
#2	.0755	.0009	.0089	.0901	.0152	.2535	81.17	.0971	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0532**	**.1055**	**.0177**	**.0358**	**.2596**	**.0141**	**.0085**	**5.388**	**170.4**
Stddev	.0023	.0001	.0053	.0005	.0050	.0122	.0076	.088	.2
%RSD	4.337	.0654	30.19	1.456	1.925	86.51	88.80	1.638	.1108
#1	.0516	.1055	.0214	.0354	.2631	.0227	.0139	5.326	170.6
#2	.0549	.1056	.0139	.0362	.2561	.0055	.0032	5.451	170.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.79**	**27.43**	**7.873**	**671.0**	**.0512**	**-.0039**	**-.0087**	**17.27**	**.0201**
Stddev	.02	.06	.038	1.6	.0049	.0001	.0019	.01	.0106
%RSD	.1024	.2087	.4843	.2400	9.573	3.034	21.51	.0612	52.58
#1	22.78	27.39	7.900	672.1	.0547	-.0040	-.0074	17.27	.0276
#2	22.81	27.47	7.846	669.8	.0478	-.0038	-.0101	17.26	.0127

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2235**	**.1589**	**-.0752**	**.0507**	**539.1**	**.0075**	**.0134**
Stddev	.0002	.0011	.0034	.0008	.6	.0047	.0067
%RSD	.1070	.6961	4.540	1.479	.1174	63.10	50.14
#1	.2234	.1581	-.0776	.0502	539.5	.0042	.0087
#2	.2237	.1597	-.0728	.0513	538.6	.0109	.0182

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101170.**	**13549.**	**1903.3**	**6225.5**
Stddev	311.	35.	.3	1.0
%RSD	.30736	.25533	.01765	.01556
#1	101390.	13525.	1903.6	6224.8
#2	100950.	13574.	1903.1	6226.2

Zoom In Zoom Out

Sample Name: jb69865-2 Acquired: 6/26/2014 17:58:52 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7866**	**-.0001**	**.0026**	**.0139**	**.0119**	**.0546**	**25.61**	**.0138**	**.0015**
Stddev	.0000	.0002	.0010	.0008	.0000	.0005	.02	.0005	.0009
%RSD	.0061	164.9	37.37	5.437	.3463	.8324	.0878	3.701	60.07
#1	.7866	-.0003	.0032	.0144	.0119	.0543	25.59	.0141	.0021
#2	.7866	.0000	.0019	.0134	.0120	.0550	25.63	.0134	.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0279**	**.0417**	**.0081**	**.0098**	**.0602**	**-.0043**	**.0007**	**8.132**	**83.56**
Stddev	.0011	.0001	.0028	.0025	.0010	.0063	.0008	.017	.60
%RSD	4.058	.1348	34.99	25.19	1.613	148.6	108.9	.2138	.7138
#1	.0287	.0416	.0061	.0116	.0596	.0002	.0002	8.119	83.98
#2	.0271	.0417	.0100	.0081	.0609	-.0087	.0013	8.144	83.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**39.82**	**13.34**	**4.835**	**231.0**	**.0828**	**-.0012**	**-.0061**	**18.45**	**.0133**
Stddev	.14	.03	.058	.1	.0008	.0010	.0009	.01	.0015
%RSD	.3528	.2479	1.204	.0530	.9099	81.73	15.14	.0598	11.60
#1	39.92	13.36	4.876	230.9	.0823	-.0019	-.0054	18.46	.0122
#2	39.72	13.31	4.794	231.1	.0833	-.0005	-.0067	18.45	.0144

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2144**	**.2335**	**-.0420**	**.0021**	**13.01**	**.0022**	**.0148**
Stddev	.0005	.0006	.0045	.0005	.04	.0023	.0035
%RSD	.2119	.2597	10.76	23.46	.3378	106.4	23.54
#1	.2147	.2340	-.0388	.0025	12.98	.0039	.0123
#2	.2141	.2331	-.0452	.0018	13.05	.0005	.0172

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100820.**	**13501.**	**1912.2**	**6267.3**
Stddev	73.	120.	1.9	6.3
%RSD	.07244	.88870	.09802	.10103
#1	100770.	13416.	1910.9	6262.8
#2	100870.	13585.	1913.5	6271.8

Zoom In Zoom Out

Sample Name: jb69865-4 Acquired: 6/26/2014 18:05:09 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0485**	**-.0007**	**.0067**	**.0070**	**.0180**	**.0253**	**.2630**	**.0117**	**-.0013**
Stddev	.0011	.0003	.0017	.0009	.0012	.0012	.0001	.0020	.0014
%RSD	2.358	45.95	25.93	12.82	6.678	4.855	.0526	17.46	110.1
#1	.0493	-.0004	.0080	.0077	.0172	.0261	.2631	.0132	-.0023
#2	.0477	-.0009	.0055	.0064	.0189	.0244	.2629	.0103	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0078**	**.0023**	**-.0015**	**.0201**	**.0079**	**-.0081**	**.0059**	**-.0685**	**502.7**
Stddev	.0010	.0000	.0022	.0190	.0094	.0017	.0025	.0199	.7
%RSD	12.47	.3859	147.8	94.26	119.8	21.05	43.23	28.98	.1356
#1	.0085	.0023	-.0031	.0067	.0012	-.0069	.0041	-.0826	503.2
#2	.0072	.0023	.0001	.0335	.0145	-.0093	.0077	-.0545	502.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1743**	**26.12**	**1.862**	**483.4**	**.2494**	**-.0017**	**-.0076**	**9.455**	**.0313**
Stddev	.0041	.15	.092	.7	.0079	.0000	.0010	.026	.0034
%RSD	2.373	.5856	4.942	.1542	3.154	1.125	13.75	.2708	10.90
#1	.1714	26.02	1.797	482.9	.2550	-.0017	-.0084	9.473	.0337
#2	.1772	26.23	1.927	483.9	.2438	-.0017	-.0069	9.437	.0289

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.7632**	**.0059**	**-.0953**	**.0539**	**598.4**	**.0067**	**.0022**
Stddev	.0001	.0020	.0067	.0012	.9	.0051	.0010
%RSD	.0144	34.32	7.045	2.304	.1452	76.97	46.00
#1	.7631	.0074	-.0906	.0548	599.0	.0103	.0015
#2	.7633	.0045	-.1001	.0530	597.7	.0030	.0030

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100170.**	**13306.**	**1878.2**	**6160.3**
Stddev	82.	54.	6.1	6.7
%RSD	.08182	.40728	.32291	.10867
#1	100120.	13268.	1874.0	6155.6
#2	100230.	13345.	1882.5	6165.1

Zoom In Zoom Out

Sample Name: jb69865-5 Acquired: 6/26/2014 18:11:22 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water rerun 7th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2018**	**.0005**	**.0155**	**.0272**	**.1825**	**.3788**	**1.591**	**.0760**	**.0018**
Stddev	.0051	.0006	.0014	.0011	.0017	.0039	.002	.0062	.0015
%RSD	2.523	129.7	9.269	4.198	.9097	1.016	.1009	8.191	81.13
#1	.2054	.0009	.0166	.0264	.1813	.3761	1.590	.0804	.0029
#2	.1982	.0000	.0145	.0280	.1837	.3815	1.592	.0716	.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0595**	**1.372**	**.0185**	**.0674**	**.0867**	**-.0564**	**.0140**	**12.12**	**1483.**
Stddev	.0043	.002	.0093	.0485	.0121	.0393	.0204	.15	7.
%RSD	7.258	.1699	50.01	72.03	13.97	69.79	145.6	1.227	.4911
#1	.0565	1.374	.0120	.0331	.0953	-.0286	-.0004	12.01	1488.
#2	.0626	1.371	.0251	.1017	.0782	-.0842	.0285	12.22	1478.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**27.84**	**21.07**	**5.280**	**2658.**	**-.0511**	**-.0061**	**-.0200**	**32.68**	**.0930**
Stddev	.17	.47	.208	2.	.0070	.0019	.0116	.08	.0261
%RSD	.6083	2.255	3.943	.0669	13.69	30.74	57.88	.2576	28.09
#1	27.96	20.73	5.427	2659.	-.0462	-.0074	-.0118	32.62	.0746
#2	27.72	21.40	5.132	2657.	-.0561	-.0047	-.0282	32.74	.1115

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9316**	**.8000**	**-.2357**	**.3094**	**3187.**	**.0267**	**.0271**
Stddev	.0005	.0008	.0016	.0023	7.	.0078	.0082
%RSD	.0503	.1042	.6655	.7356	.2290	29.09	30.43
#1	.9313	.7994	-.2368	.3110	3182.	.0212	.0213
#2	.9320	.8006	-.2346	.3078	3193.	.0322	.0329

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97716.**	**13353.**	**1857.3**	**5949.7**
Stddev	25.	75.	2.2	3.6
%RSD	.02574	.56152	.12002	.05999
#1	97698.	13300.	1858.8	5952.2
#2	97733.	13406.	1855.7	5947.1

Zoom In Zoom Out

Sample Name: mp80268-mb1conf Acquired: 6/26/2014 18:17:33 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0004**	**.0000**	**.0001**	**.0001**	**.0010**	**.0001**	**.0005**	**.0000**	**-.0002**
Stddev	.0000	.000	.0001	.0002	.0001	.0001	.0000	.0001	.0004
%RSD	4.242	31.14	111.0	239.6	5.944	85.99	4.489	243.0	251.4
#1	.0004	.0000	.0002	.0000	.0010	.0001	.0005	.0000	-.0005
#2	.0004	.0000	.0000	.0002	.0010	.0000	.0005	.0001	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0014**	**-.0006**	**-.0006**	**-.0001**	**.0015**	**.0009**	**-.0037**	**.0112**
Stddev	.0001	.0000	.0001	.0000	.0006	.0004	.0001	.0052	.0006
%RSD	76.21	.2356	15.35	1.626	572.8	27.51	14.12	140.2	5.046
#1	.0000	.0014	-.0007	-.0006	.0003	.0017	.0008	.0000	.0108
#2	-.0002	.0014	-.0006	-.0006	-.0005	.0012	.0009	-.0074	.0116

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0134**	**-.0101**	**.0140**	**.0154**	**-.0001**	**-.0006**	**.0004**	**.0056**	**.0268**
Stddev	.0003	.0009	.0007	.0039	.0004	.0001	.0001	.0003	.0002
%RSD	2.465	8.511	5.033	25.51	568.0	20.06	23.62	5.029	.6134
#1	.0131	-.0095	.0135	.0182	.0002	-.0005	.0004	.0058	.0267
#2	.0136	-.0107	.0145	.0127	-.0004	-.0006	.0005	.0054	.0269

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0079**	**-.0002**	**.0053**	**-.0001**	**-.0005**
Stddev	.0000	.0002	.0009	.0000	.0006	.0002	.0002
%RSD	13.39	108.8	10.86	4.508	12.25	175.9	41.59
#1	.0000	.0000	-.0073	-.0002	.0057	-.0002	-.0007
#2	.0000	.0003	-.0085	-.0002	.0048	.0000	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104220.**	**13620.**	**1954.0**	**6676.1**
Stddev	83.	114.	10.4	21.1
%RSD	.07955	.83374	.53234	.31667
#1	104160.	13540.	1946.7	6661.2
#2	104270.	13701.	1961.4	6691.1

Zoom In Zoom Out

Sample Name: mp80268-s2 2 Acquired: 6/26/2014 18:23:49 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**7.293**	**.1121**	**.1361**	**1.316**	**24.42**	**5.367**	**5.098**	**2.386**	**.1338**
Stddev	.017	.0003	.0002	.002	.00	.004	.006	.002	.0000
%RSD	.2371	.2524	.1707	.1514	.0122	.0839	.1117	.0807	.0297
#1	7.305	.1123	.1359	1.315	24.41	5.364	5.094	2.385	.1337
#2	7.280	.1119	.1363	1.317	24.42	5.370	5.102	2.388	.1338

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.868**	**10.13**	**4.406**	**3.969**	**14.99**	**4.387**	**.5421**	**169.8**	**338.8**
Stddev	.003	.01	.005	.004	.03	.003	.0011	.4	1.9
%RSD	.1153	.1086	.1043	.1142	.2076	.0745	.1995	.2585	.5740
#1	2.866	10.12	4.403	3.966	14.97	4.384	.5428	170.1	337.5
#2	2.871	10.14	4.409	3.973	15.01	4.389	.5413	169.5	340.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**630.1**	**154.9**	**22.89**	**22.11**	**.1715**	**.0440**	**-.1277**	**23.62**	**1.935**
Stddev	2.4	1.3	.01	.11	.0030	.0006	.0003	.02	.001
%RSD	.3849	.8395	.0280	.4851	1.766	1.412	.2359	.0787	.0379
#1	631.8	154.0	22.90	22.19	.1694	.0435	-.1279	23.61	1.935
#2	628.4	155.8	22.89	22.04	.1736	.0444	-.1275	23.64	1.936

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.662**	**8.141**	**.0551**	**.1530**	**16.99**	**.0456**	**.1266**
Stddev	.001	.002	.0005	.0006	.06	.0006	.0010
%RSD	.0587	.0243	.9014	.4227	.3510	1.358	.7793
#1	1.661	8.139	.0555	.1535	16.95	.0451	.1259
#2	1.663	8.142	.0548	.1525	17.03	.0460	.1273

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94756.**	**13130.**	**1759.8**	**5911.3**
Stddev	48.	53.	.3	3.7
%RSD	.05061	.40195	.01959	.06196
#1	94722.	13168.	1760.1	5913.9
#2	94789.	13093.	1759.6	5908.7

Zoom In Zoom Out

Sample Name: jb69663-1 Acquired: 6/26/2014 18:29:52 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.726**	**.0048**	**.0772**	**.1323**	**2.384**	**4.335**	**5.600**	**.6060**	**.0208**
Stddev	.005	.0000	.0003	.0003	.017	.032	.047	.0016	.0001
%RSD	.1944	.2537	.3484	.2187	.7091	.7417	.8340	.2650	.3792
#1	2.730	.0048	.0770	.1325	2.396	4.358	5.633	.6048	.0208
#2	2.722	.0048	.0774	.1321	2.372	4.313	5.567	.6071	.0207

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6841**	**8.911**	**.1551**	**.0148**	**11.11**	**.0297**	**.0177**	**68.46**	**278.5**
Stddev	.0072	.023	.0010	.0001	.01	.0020	.0007	.05	.8
%RSD	1.047	.2587	.6749	.7368	.0697	6.742	3.911	.0766	.2722
#1	.6891	8.895	.1544	.0147	11.10	.0311	.0172	68.50	279.0
#2	.6790	8.928	.1558	.0148	11.11	.0283	.0182	68.42	278.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**597.5**	**66.67**	**8.550**	**3.172**	**.1472**	**.0700**	**-.1050**	**7.217**	**.4759**
Stddev	1.4	.12	.005	.003	.0001	.0000	.0008	.020	.0008
%RSD	.2339	.1824	.0551	.1081	.0884	.0071	.7485	.2820	.1729
#1	598.5	66.76	8.547	3.170	.1473	.0700	-.1056	7.232	.4753
#2	596.6	66.59	8.554	3.175	.1471	.0700	-.1045	7.203	.4764

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.276**	**3.870**	**.0479**	**.1132**	**14.85**	**.0207**	**.0950**
Stddev	.005	.029	.0004	.0004	.03	.0004	.0002
%RSD	.4170	.7572	.8290	.3414	.2229	1.715	.2388
#1	1.280	3.891	.0482	.1134	14.88	.0209	.0951
#2	1.273	3.850	.0476	.1129	14.83	.0204	.0948

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97441.**	**13399.**	**1832.6**	**6152.4**
Stddev	652.	10.	3.1	8.8
%RSD	.66916	.07478	.16898	.14286
#1	96980.	13391.	1830.5	6146.2
#2	97902.	13406.	1834.8	6158.7

Zoom In Zoom Out

Sample Name: jb69675-2 Acquired: 6/26/2014 18:35:58 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**6.345**	**.0262**	**.0456**	**.0748**	**2.928**	**2.113**	**51.47**	**.4546**	**.0256**
Stddev	.004	.0001	.0006	.0012	.003	.004	.47	.0012	.0005
%RSD	.0638	.2197	1.354	1.567	.1102	.1659	.9064	.2696	1.998
#1	6.342	.0262	.0460	.0756	2.926	2.110	51.14	.4554	.0260
#2	6.348	.0261	.0452	.0740	2.930	2.115	51.80	.4537	.0252

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.321**	**10.18**	**.1083**	**.0215**	**11.29**	**.0237**	**.0059**	**140.7**	**562.2**
Stddev	.006	.01	.0002	.0001	.01	.0052	.0012	.1	.4
%RSD	.4559	.1448	.1456	.3653	.0903	21.79	20.27	.0530	.0796
#1	1.317	10.17	.1082	.0216	11.28	.0273	.0051	140.7	561.9
#2	1.326	10.19	.1084	.0215	11.30	.0200	.0068	140.8	562.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**494.1**	**242.5**	**40.45**	**3.481**	**.2073**	**.0475**	**-.0986**	**7.961**	**.4475**
Stddev	1.2	.4	.05	.014	.0010	.0002	.0025	.048	.0017
%RSD	.2477	.1618	.1181	.3897	.5064	.5215	2.494	.6013	.3819
#1	493.2	242.2	40.42	3.491	.2066	.0477	-.0968	7.995	.4487
#2	494.9	242.8	40.48	3.472	.2080	.0473	-.1003	7.927	.4463

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9284**	**8.285**	**.0999**	**.2137**	**13.01**	**.0311**	**.2101**
Stddev	.0016	.007	.0045	.0000	.04	.0001	.0008
%RSD	.1679	.0897	4.513	.0189	.3271	.4052	.3804
#1	.9273	8.279	.0967	.2137	13.04	.0312	.2095
#2	.9296	8.290	.1031	.2138	12.98	.0310	.2107

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97121.**	**13582.**	**1795.9**	**5682.8**
Stddev	204.	25.	.4	.0
%RSD	.21006	.18045	.02390	.00013
#1	97266.	13599.	1796.3	5682.8
#2	96977.	13564.	1795.6	5682.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 18:42:17 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**1.983**	**1.995**	**1.986**	**1.981**	**1.916**	**2.006**	**2.011**	**.2407**
Stddev	.000	.003	.001	.000	.003	.003	.004	.001	.0012
%RSD	.0195	.1282	.0348	.0038	.1595	.1380	.2072	.0293	.5090
#1	1.970	1.985	1.995	1.986	1.983	1.917	2.009	2.010	.2416
#2	1.970	1.982	1.996	1.986	1.979	1.914	2.003	2.011	.2398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.944**	**2.028**	**1.971**	**2.108**	**2.015**	**1.975**	**1.967**	**38.96**	**39.67**
Stddev	.004	.001	.000	.001	.004	.004	.004	.10	.09
%RSD	.2112	.0235	.0145	.0475	.1835	.2200	.2069	.2482	.2149
#1	1.947	2.028	1.971	2.109	2.018	1.972	1.964	39.03	39.61
#2	1.941	2.028	1.971	2.107	2.012	1.978	1.970	38.89	39.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.47**	**39.11**	**39.73**	**39.24**	**1.996**	**2.005**	**1.921**	**4.940**	**2.031**
Stddev	.09	.03	.02	.10	.002	.001	.003	.003	.002
%RSD	.2214	.0676	.0396	.2651	.1154	.0288	.1745	.0619	.0735
#1	39.41	39.09	39.74	39.31	1.995	2.005	1.918	4.938	2.032
#2	39.53	39.13	39.71	39.17	1.998	2.005	1.923	4.942	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 18:42:17 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 2

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**1.966**	**1.862**	**1.957**	**1.938**	**1.979**	**1.977**
Stddev	.004	.004	.010	.000	.004	.001	.002
%RSD	.2067	.1889	.5275	.0148	.1820	.0519	.1176
#1	2.006	1.968	1.855	1.957	1.940	1.978	1.979
#2	2.012	1.963	1.869	1.957	1.935	1.979	1.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98812.**	**13414.**	**1882.2**	**6024.8**
Stddev	128.	19.	.3	1.9
%RSD	.12975	.14530	.01835	.03194
#1	98721.	13400.	1881.9	6026.2
#2	98902.	13428.	1882.4	6023.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 18:48:21 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0003**	**.0004**	**-.0001**	**.0002**	**.0006**	**.0002**	**.0001**
Stddev	.0002	.0001	.0001	.0001	.0001	.0001	.0000	.0002	.0000
%RSD	45.49	32.46	23.72	15.30	117.9	70.84	4.747	89.16	51.60
#1	.0003	.0001	.0004	.0004	.0000	.0001	.0006	.0003	.0001
#2	.0005	.0002	.0003	.0003	-.0002	.0003	.0006	.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0001**	**.0015**	**-.0001**	**.0022**	**.0008**	**-.0043**	**.0066**
Stddev	.0000	.0002	.0003	.0000	.0010	.0003	.0002	.0021	.0043
%RSD	23.01	96.62	365.7	.6401	934.6	15.65	29.17	50.17	64.84
#1	.0001	.0003	-.0001	.0015	.0006	.0024	.0009	-.0027	.0036
#2	.0002	.0001	.0003	.0015	-.0008	.0019	.0006	-.0058	.0096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082**	**-.0061**	**.0231**	**.0154**	**.0009**	**.0011**	**.0005**	**.0043**	**.0012**
Stddev	.0021	.0027	.0253	.0050	.0003	.0003	.0006	.0000	.0006
%RSD	25.03	44.47	109.5	32.29	34.82	29.30	113.0	.1306	51.45
#1	.0068	-.0042	.0052	.0189	.0011	.0014	.0001	.0043	.0007
#2	.0097	-.0080	.0409	.0119	.0007	.0009	.0009	.0043	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 18:48:21 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0007**	**-.0011**	**.0001**	**.0005**	**.0006**	**.0006**
Stddev	.0000	.0001	.0014	.0001	.0010	.0003	.0008
%RSD	2.941	14.07	127.7	54.86	180.8	48.66	121.9
#1	.0003	.0008	-.0001	.0001	.0012	.0007	.0001
#2	.0003	.0006	-.0021	.0002	-.0002	.0004	.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104370.**	**13585.**	**1958.3**	**6655.6**
Stddev	189.	57.	10.8	31.0
%RSD	.18116	.41860	.55146	.46631
#1	104500.	13545.	1965.9	6677.5
#2	104230.	13625.	1950.6	6633.6

Zoom In Zoom Out

Sample Name: jb69675-2 Acquired: 6/26/2014 18:54:42 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**6.422**	**.0278**	**.0485**	**.0814**	**3.117**	**2.083**	**65.58**	**.4726**	**.0263**
Stddev	.005	.0001	.0019	.0005	.012	.000	.23	.0033	.0028
%RSD	.0736	.2661	3.885	.5606	.3752	.0032	.3480	.6879	10.49
#1	6.418	.0278	.0472	.0811	3.125	2.083	65.42	.4703	.0282
#2	6.425	.0277	.0498	.0818	3.108	2.083	65.74	.4749	.0243

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.414**	**11.08**	**.1092**	**.0458**	**11.87**	**-.0044**	**.0013**	**142.4**	**601.6**
Stddev	.008	.00	.0043	.0088	.01	.0058	.0097	.3	.8
%RSD	.5790	.0275	3.970	19.27	.1262	133.8	771.2	.1851	.1287
#1	1.408	11.09	.1123	.0395	11.88	-.0002	-.0056	142.2	602.2
#2	1.420	11.08	.1061	.0520	11.86	-.0085	.0081	142.6	601.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**530.4**	**246.3**	**41.05**	**3.676**	**.1636**	**.0516**	**-.1019**	**9.053**	**.4969**
Stddev	.3	.6	.25	.026	.0084	.0010	.0051	.026	.0110
%RSD	.0515	.2430	.6091	.7158	5.155	1.845	5.033	.2923	2.213
#1	530.2	246.7	41.22	3.657	.1576	.0509	-.0983	9.072	.4891
#2	530.6	245.9	40.87	3.694	.1695	.0522	-.1055	9.035	.5047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9383**	**8.770**	**.0614**	**.2347**	**12.84**	**.0393**	**.2061**
Stddev	.0017	.012	.0018	.0003	.10	.0067	.0001
%RSD	.1776	.1376	3.012	.1402	.7757	17.10	.0312
#1	.9371	8.779	.0627	.2345	12.77	.0346	.2062
#2	.9394	8.762	.0601	.2350	12.91	.0441	.2061

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100250.**	**13501.**	**1895.7**	**6198.1**
Stddev	41.	9.	4.4	7.1
%RSD	.04138	.06465	.23299	.11421
#1	100220.	13507.	1898.9	6203.1
#2	100280.	13495.	1892.6	6193.1

Zoom In Zoom Out

Sample Name: jb69675-5 Acquired: 6/26/2014 19:00:57 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.568**	**.0101**	**.0148**	**.1393**	**2.231**	**1.283**	**56.79**	**.3101**	**.0221**
Stddev	.003	.0004	.0001	.0010	.008	.002	.07	.0011	.0002
%RSD	.2145	3.549	.8676	.7251	.3668	.1154	.1296	.3540	8.529
#1	1.566	.0099	.0149	.1400	2.237	1.284	56.74	.3093	.0220
#2	1.571	.0104	.0147	.1386	2.225	1.282	56.84	.3108	.0222

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.847**	**2.802**	**.1030**	**.0238**	**4.009**	**.0035**	**-.0129**	**97.75**	**259.1**
Stddev	.003	.001	.0103	.0104	.002	.0079	.0019	.23	.3
%RSD	.1552	.0456	10.04	43.61	.0507	228.5	15.04	.2311	.1255
#1	1.845	2.801	.0957	.0312	4.010	.0091	-.0115	97.91	258.9
#2	1.849	2.803	.1104	.0165	4.008	-.0021	-.0142	97.59	259.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**408.5**	**61.01**	**10.70**	**1.104**	**.0477**	**.0214**	**-.0676**	**8.217**	**.1776**
Stddev	.9	.04	.13	.024	.0032	.0027	.0033	.004	.0031
%RSD	.2123	.0638	1.211	2.201	6.708	12.62	4.895	.0481	1.729
#1	407.9	60.98	10.60	1.087	.0499	.0234	-.0652	8.219	.1754
#2	409.1	61.04	10.79	1.121	.0454	.0195	-.0699	8.214	.1797

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4129**	**6.401**	**.0043**	**.1138**	**4.145**	**.0232**	**.1521**
Stddev	.0009	.001	.0053	.0002	.019	.0040	.0008
%RSD	.2287	.0114	125.1	.1782	.4539	17.12	.5289
#1	.4123	6.402	.0080	.1139	4.131	.0204	.1515
#2	.4136	6.401	.0005	.1136	4.158	.0260	.1527

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102120.**	**13379.**	**1926.7**	**6393.3**
Stddev	14.	34.	6.6	17.2
%RSD	.01374	.25221	.34202	.26892
#1	102130.	13355.	1931.4	6405.5
#2	102110.	13403.	1922.1	6381.2

Zoom In Zoom Out

Sample Name: jb69675-6 Acquired: 6/26/2014 19:07:13 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 2nd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.003**	**.0028**	**.0106**	**.0570**	**4.964**	**.5540**	**74.38**	**.1612**	**.0224**
Stddev	.004	.0005	.0003	.0011	.043	.0052	.96	.0008	.0032
%RSD	.3471	16.80	2.371	1.987	.8616	.9351	1.291	.4857	14.13
#1	1.000	.0024	.0107	.0562	4.934	.5504	73.70	.1618	.0201
#2	1.005	.0031	.0104	.0578	4.994	.5577	75.06	.1607	.0246

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.129**	**1.571**	**.0636**	**.0249**	**2.505**	**.0119**	**-.0528**	**66.95**	**524.1**
Stddev	.021	.004	.0046	.0020	.000	.0205	.0026	.04	2.4
%RSD	.9863	.2383	7.211	8.186	.0151	172.8	4.899	.0619	.4632
#1	2.114	1.569	.0604	.0263	2.505	-.0026	-.0510	66.92	522.4
#2	2.144	1.574	.0669	.0234	2.505	.0264	-.0546	66.98	525.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**503.1**	**97.30**	**7.029**	**1.171**	**.0448**	**.0332**	**-.0993**	**7.103**	**.1263**
Stddev	2.3	.41	.125	.062	.0037	.0010	.0011	.007	.0051
%RSD	.4478	.4255	1.782	5.284	8.214	3.088	1.132	.1032	4.063
#1	501.5	97.01	6.941	1.127	.0422	.0339	-.0985	7.108	.1226
#2	504.7	97.59	7.118	1.214	.0474	.0324	-.1001	7.097	.1299

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.8551**	**6.891**	**.0135**	**.1109**	**14.70**	**.0326**	**.0889**
Stddev	.0019	.066	.0028	.0002	.06	.0021	.0024
%RSD	.2192	.9588	20.87	.2036	.4131	6.543	2.692
#1	.8538	6.845	.0155	.1110	14.66	.0341	.0906
#2	.8564	6.938	.0115	.1107	14.74	.0311	.0872

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100810.**	**13394.**	**1886.5**	**6277.9**
Stddev	775.	20.	1.6	4.2
%RSD	.76914	.15150	.08553	.06767
#1	101360.	13409.	1887.6	6280.9
#2	100260.	13380.	1885.3	6274.9

Zoom In Zoom Out

Sample Name: mp80276-mb1conf Acquired: 6/26/2014 19:13:29 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**.0000**	**.0002**	**-.0001**	**.0010**	**.0011**	**.0055**	**.0003**	**.0002**
Stddev	.0000	.000	.0000	.0002	.0002	.0000	.0000	.0002	.0002
%RSD	3.259	48.44	17.25	124.8	18.22	3.182	.5362	81.09	112.6
#1	.0011	.0000	.0002	.0000	.0009	.0011	.0055	.0004	.0003
#2	.0011	.0000	.0002	-.0002	.0011	.0011	.0055	.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0036**	**-.0002**	**-.0006**	**-.0004**	**.0004**	**.0004**	**.0128**	**.1120**
Stddev	.0001	.0001	.0003	.0009	.0007	.0002	.0007	.0036	.0003
%RSD	68.34	2.798	129.8	150.7	195.8	53.04	181.7	28.42	.2675
#1	-.0002	.0036	-.0004	.0000	.0001	.0003	-.0001	.0103	.1118
#2	-.0001	.0035	.0000	-.0012	-.0009	.0006	.0008	.0154	.1123

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0685**	**.0195**	**.0118**	**.0150**	**.0009**	**-.0005**	**.0006**	**.0303**	**.0190**
Stddev	.0023	.0085	.0320	.0007	.0002	.0001	.0000	.0011	.0002
%RSD	3.364	43.85	270.4	4.466	22.04	26.81	3.796	3.794	.8622
#1	.0668	.0134	-.0108	.0145	.0007	-.0004	.0006	.0295	.0188
#2	.0701	.0255	.0344	.0155	.0010	-.0005	.0007	.0311	.0191

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0013**	**-.0071**	**.0001**	**.0080**	**-.0001**	**-.0002**
Stddev	.0000	.0001	.0006	.0000	.0001	.0003	.0002
%RSD	13.87	8.245	8.278	44.76	1.571	210.3	99.80
#1	.0002	.0013	-.0067	.0001	.0079	.0001	-.0003
#2	.0002	.0012	-.0075	.0001	.0081	-.0003	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105670.**	**13599.**	**1967.0**	**6718.7**
Stddev	344.	2.	3.9	15.7
%RSD	.32530	.01621	.19950	.23350
#1	105430.	13600.	1969.8	6729.8
#2	105920.	13597.	1964.2	6707.6

Zoom In Zoom Out

Sample Name: mp80276-s1 2 Acquired: 6/26/2014 19:19:48 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.486**	**.1367**	**.0986**	**1.015**	**4.293**	**.5028**	**1.623**	**1.123**	**.1295**
Stddev	.006	.0008	.0023	.003	.014	.0017	.005	.005	.0017
%RSD	.1337	.5642	2.323	.2971	.3224	.3367	.2997	.4108	1.343
#1	4.490	.1373	.0969	1.013	4.303	.5040	1.627	1.120	.1307
#2	4.481	.1362	.1002	1.017	4.283	.5016	1.620	1.126	.1283

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.379**	**2.296**	**4.152**	**3.992**	**1.143**	**3.854**	**.6022**	**185.4**	**53.08**
Stddev	.009	.008	.007	.015	.006	.004	.0123	.2	.08
%RSD	.3870	.3382	.1614	.3736	.5560	.1061	2.050	.1147	.1457
#1	2.385	2.290	4.148	4.003	1.139	3.851	.5935	185.5	53.13
#2	2.372	2.301	4.157	3.982	1.148	3.856	.6109	185.2	53.02

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1138.**	**59.03**	**170.2**	**13.60**	**.8768**	**.0028**	**-.1961**	**7.509**	**.0600**
Stddev	2.	.03	.2	.05	.0016	.0000	.0044	.036	.0034
%RSD	.1679	.0531	.1347	.3323	.1830	1.087	2.250	.4784	5.665
#1	1139.	59.06	170.3	13.63	.8757	.0029	-.1930	7.535	.0576
#2	1136.	59.01	170.0	13.57	.8779	.0028	-.1993	7.484	.0624

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1869**	**4.800**	**.0201**	**.1372**	**2.891**	**.0236**	**.0689**
Stddev	.0003	.014	.0053	.0007	.009	.0049	.0005
%RSD	.1849	.2878	26.42	.4767	.3137	20.69	.7428
#1	.1872	4.810	.0163	.1376	2.885	.0270	.0685
#2	.1867	4.790	.0238	.1367	2.898	.0201	.0692

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100950.**	**13654.**	**1934.6**	**6393.4**
Stddev	216.	12.	4.2	10.0
%RSD	.21350	.08959	.21873	.15589
#1	100800.	13645.	1937.6	6400.5
#2	101100.	13662.	1931.6	6386.4

Zoom In Zoom Out

Sample Name: mp80276-s2 Acquired: 6/26/2014 19:25:51 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.399**	**.1336**	**.0968**	**.9657**	**4.498**	**.4843**	**1.538**	**1.068**	**.1299**
Stddev	.004	.0001	.0002	.0006	.017	.0017	.007	.001	.0019
%RSD	.0898	.0943	.1803	.0629	.3705	.3414	.4725	.0607	1.478
#1	4.402	.1337	.0967	.9661	4.509	.4832	1.543	1.069	.1285
#2	4.396	.1335	.0969	.9652	4.486	.4855	1.533	1.068	.1313

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.458**	**2.385**	**4.080**	**3.978**	**1.113**	**3.801**	**.5919**	**184.6**	**55.75**
Stddev	.010	.003	.005	.008	.006	.006	.0030	.2	.16
%RSD	.3897	.1246	.1303	.2091	.5791	.1503	.5085	.0996	.2879
#1	2.464	2.383	4.084	3.984	1.117	3.797	.5940	184.7	55.87
#2	2.451	2.387	4.077	3.973	1.108	3.805	.5898	184.4	55.64

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1201.**	**59.87**	**172.2**	**13.20**	**.8813**	**.0029**	**-.2040**	**6.899**	**.0604**
Stddev	3.	.24	.0	.01	.0011	.0002	.0012	.038	.0015
%RSD	.2214	.3950	.0187	.0535	.1238	5.621	.5795	.5534	2.542
#1	1203.	60.04	172.2	13.19	.8821	.0028	-.2048	6.926	.0593
#2	1200.	59.71	172.3	13.20	.8805	.0030	-.2031	6.872	.0615

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2050**	**5.143**	**.0247**	**.1447**	**4.820**	**.0217**	**.0708**
Stddev	.0001	.009	.0025	.0005	.009	.0032	.0008
%RSD	.0380	.1710	10.13	.3460	.1792	14.67	1.179
#1	.2051	5.149	.0264	.1451	4.814	.0194	.0702
#2	.2050	5.137	.0229	.1444	4.826	.0239	.0714

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100340.**	**13477.**	**1923.7**	**6372.3**
Stddev	311.	48.	1.6	7.8
%RSD	.30954	.35436	.08332	.12259
#1	100120.	13443.	1922.6	6366.7
#2	100560.	13510.	1924.8	6377.8

Zoom In Zoom Out

Sample Name: jb69784-1 Acquired: 6/26/2014 19:31:53 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4677**	**.0295**	**.0029**	**.0337**	**3.360**	**.0238**	**.4834**	**.1124**	**.0261**
Stddev	.0011	.0001	.0001	.0023	.004	.0019	.0022	.0016	.0001
%RSD	.2246	.2698	3.078	6.721	.1116	8.094	.4459	1.418	.3699
#1	.4670	.0296	.0028	.0353	3.358	.0224	.4849	.1113	.0261
#2	.4684	.0295	.0029	.0321	3.363	.0251	.4818	.1136	.0262

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.197**	**1.095**	**.1862**	**-.0454**	**.1307**	**.0321**	**-.0145**	**102.9**	**41.80**
Stddev	.001	.004	.0016	.0023	.0031	.0011	.0001	.3	.06
%RSD	.0607	.3644	.8348	5.073	2.334	3.483	.7747	.2687	.1427
#1	1.198	1.098	.1873	-.0438	.1328	.0313	-.0145	102.7	41.76
#2	1.197	1.092	.1851	-.0471	.1285	.0329	-.0146	103.1	41.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**908.1**	**36.19**	**120.8**	**.7650**	**.6655**	**-.0008**	**-.1460**	**5.376**	**.0534**
Stddev	2.1	.10	.3	.0058	.0015	.0003	.0022	.052	.0025
%RSD	.2291	.2764	.2723	.7629	.2281	34.69	1.507	.9622	4.746
#1	906.7	36.26	120.5	.7609	.6666	-.0010	-.1476	5.413	.0516
#2	909.6	36.12	121.0	.7692	.6644	-.0006	-.1445	5.339	.0552

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2102**	**3.760**	**-.0029**	**.1037**	**3.138**	**.0195**	**.0535**
Stddev	.0005	.002	.0024	.0003	.032	.0030	.0004
%RSD	.2489	.0589	82.55	.2527	1.007	15.40	.7447
#1	.2098	3.758	-.0046	.1036	3.160	.0174	.0532
#2	.2106	3.761	-.0012	.1039	3.115	.0217	.0538

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104600.**	**13771.**	**1969.5**	**6536.6**
Stddev	37.	41.	6.4	17.5
%RSD	.03515	.29838	.32439	.26751
#1	104630.	13800.	1964.9	6524.2
#2	104570.	13742.	1974.0	6548.9

Zoom In Zoom Out

Sample Name: mp80276-sd1 Acquired: 6/26/2014 19:38:00 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5441**	**.0340**	**.0057**	**.0414**	**3.944**	**.0296**	**.5682**	**.1215**	**.0312**
Stddev	.0001	.0003	.0014	.0024	.004	.0054	.0016	.0017	.0010
%RSD	.0196	.8795	24.40	5.800	.1056	18.19	.2829	1.391	3.254
#1	.5442	.0342	.0047	.0397	3.941	.0334	.5693	.1203	.0305
#2	.5440	.0338	.0067	.0431	3.947	.0258	.5670	.1227	.0320

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.381**	**1.272**	**.2078**	**-.0469**	**.1455**	**.0789**	**-.0259**	**119.1**	**49.18**
Stddev	.001	.006	.0024	.0170	.0062	.0299	.0054	.3	.09
%RSD	.0506	.4990	1.145	36.25	4.270	37.96	20.78	.2178	.1751
#1	1.382	1.277	.2061	-.0349	.1499	.1000	-.0221	118.9	49.24
#2	1.381	1.268	.2095	-.0590	.1411	.0577	-.0298	119.3	49.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1088.**	**42.21**	**140.2**	**.8537**	**.7547**	**-.0149**	**-.1592**	**6.234**	**.0630**
Stddev	1.	.36	.7	.0460	.0189	.0027	.0055	.065	.0258
%RSD	.0477	.8485	.4910	5.388	2.505	17.89	3.434	1.041	40.91
#1	1089.	42.46	139.8	.8862	.7681	-.0130	-.1631	6.279	.0448
#2	1088.	41.96	140.7	.8212	.7414	-.0168	-.1553	6.188	.0813

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2453**	**4.387**	**-.1974**	**.1114**	**3.564**	**.0291**	**.0703**
Stddev	.0029	.002	.0023	.0003	.018	.0041	.0077
%RSD	1.175	.0532	1.166	.2466	.4987	14.22	10.98
#1	.2433	4.389	-.1958	.1112	3.577	.0321	.0758
#2	.2474	4.385	-.1990	.1116	3.551	.0262	.0648

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103480.**	**13277.**	**1964.3**	**6586.6**
Stddev	291.	43.	9.2	37.0
%RSD	.28093	.32246	.46754	.56215
#1	103270.	13246.	1957.8	6560.5
#2	103680.	13307.	1970.8	6612.8

Zoom In Zoom Out

Sample Name: jb69784-2 Acquired: 6/26/2014 19:44:10 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4995**	**.0337**	**.0037**	**.0368**	**3.793**	**.0303**	**.6195**	**.1094**	**.0310**
Stddev	.0021	.0002	.0003	.0007	.009	.0019	.0007	.0022	.0002
%RSD	.4303	.5967	7.278	1.814	.2332	6.381	.1145	2.003	.5176
#1	.5010	.0338	.0039	.0373	3.799	.0317	.6190	.1078	.0309
#2	.4980	.0336	.0035	.0364	3.786	.0290	.6200	.1109	.0311

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.324**	**1.280**	**.2092**	**-.0475**	**.1672**	**.0330**	**-.0123**	**115.5**	**45.06**
Stddev	.001	.001	.0020	.0075	.0086	.0020	.0001	.1	.20
%RSD	.0897	.0359	.9663	15.86	5.142	6.051	1.207	.0692	.4486
#1	1.325	1.280	.2106	-.0422	.1611	.0316	-.0124	115.6	45.21
#2	1.323	1.281	.2078	-.0528	.1733	.0344	-.0122	115.5	44.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1124.**	**41.78**	**137.8**	**.7636**	**.7625**	**.0009**	**-.1826**	**6.608**	**.0569**
Stddev	4.	.48	.5	.0155	.0006	.0004	.0010	.088	.0005
%RSD	.3757	1.159	.3610	2.027	.0776	46.17	.5302	1.326	.8350
#1	1127.	42.12	138.1	.7527	.7620	.0006	-.1819	6.670	.0573
#2	1121.	41.44	137.4	.7746	.7629	.0012	-.1833	6.546	.0566

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1873**	**4.069**	**.0108**	**.1196**	**3.393**	**.0234**	**.0598**
Stddev	.0005	.002	.0011	.0000	.013	.0014	.0014
%RSD	.2815	.0543	9.792	.0097	.3894	6.184	2.342
#1	.1877	4.070	.0100	.1196	3.403	.0224	.0608
#2	.1869	4.067	.0115	.1196	3.384	.0245	.0588

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102590.**	**13605.**	**1940.2**	**6452.7**
Stddev	145.	38.	.6	5.9
%RSD	.14178	.27753	.03002	.09081
#1	102480.	13578.	1940.6	6456.8
#2	102690.	13631.	1939.8	6448.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 19:50:19 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.987**	**2.004**	**2.015**	**2.019**	**1.993**	**1.963**	**2.037**	**2.035**	**.2440**
Stddev	.000	.003	.009	.003	.009	.002	.013	.004	.0009
%RSD	.0111	.1412	.4590	.1686	.4748	.0741	.6394	.1829	.3569
#1	1.987	2.006	2.008	2.016	2.000	1.964	2.047	2.033	.2446
#2	1.987	2.002	2.021	2.021	1.986	1.962	2.028	2.038	.2434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.995**	**2.057**	**1.987**	**2.144**	**2.042**	**1.993**	**1.988**	**39.62**	**39.78**
Stddev	.013	.006	.008	.008	.004	.009	.011	.04	.12
%RSD	.6444	.2793	.4080	.3689	.2086	.4431	.5682	.1028	.2903
#1	2.004	2.053	1.982	2.139	2.039	1.987	1.980	39.65	39.86
#2	1.986	2.062	1.993	2.150	2.045	2.000	1.996	39.59	39.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.56**	**39.12**	**40.28**	**39.85**	**2.015**	**2.026**	**1.955**	**4.987**	**2.050**
Stddev	.11	.09	.03	.01	.010	.009	.005	.021	.009
%RSD	.2812	.2280	.0643	.0236	.4925	.4523	.2808	.4114	.4604
#1	39.64	39.19	40.30	39.86	2.008	2.020	1.959	4.973	2.044
#2	39.48	39.06	40.26	39.84	2.022	2.033	1.951	5.002	2.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 19:50:19 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 3

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**1.994**	**1.887**	**1.977**	**1.964**	**1.999**	**1.987**
Stddev	.000	.007	.013	.002	.008	.006	.003
%RSD	.0106	.3716	.6812	.1145	.4017	.3113	.1452
#1	2.011	2.000	1.878	1.978	1.958	1.995	1.985
#2	2.011	1.989	1.896	1.975	1.969	2.003	1.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97214.**	**13255.**	**1874.5**	**5981.9**
Stddev	179.	43.	7.2	11.6
%RSD	.18413	.32654	.38549	.19428
#1	97088.	13224.	1879.6	5990.1
#2	97341.	13286.	1869.4	5973.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 19:56:23 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0003**	**.0003**	**.0004**	**.0000**	**.0002**	**-.0001**	**-.0001**
Stddev	.0001	.0000	.0002	.0001	.0001	.000	.0000	.0000	.0001
%RSD	20.04	7.731	53.73	32.99	17.18	468.8	11.61	.8170	138.9
#1	.0003	.0002	.0004	.0003	.0003	-.0002	.0002	-.0001	.0000
#2	.0005	.0002	.0002	.0002	.0004	.0001	.0003	-.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0002**	**.0003**	**.0017**	**-.0005**	**.0002**	**.0012**	**-.0021**	**.0053**
Stddev	.0002	.0000	.0001	.0010	.0008	.0004	.0003	.0055	.0002
%RSD	909.2	20.67	37.99	58.75	153.5	230.6	23.19	266.7	3.074
#1	-.0001	.0002	.0002	.0010	.0000	-.0001	.0010	-.0060	.0055
#2	.0001	.0003	.0004	.0023	-.0011	.0005	.0014	.0018	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0072**	**-.0203**	**.0320**	**.0082**	**.0014**	**.0009**	**.0006**	**.0038**	**.0004**
Stddev	.0004	.0173	.0068	.0020	.0001	.0005	.0010	.0003	.0002
%RSD	6.162	85.20	21.40	24.49	5.797	49.76	167.1	8.030	42.90
#1	.0069	-.0325	.0368	.0068	.0014	.0012	.0013	.0036	.0003
#2	.0075	-.0081	.0271	.0096	.0013	.0006	-.0001	.0040	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 19:56:23 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0004**	**-.0005**	**.0002**	**-.0005**	**.0002**	**-.0001**
Stddev	.0001	.0001	.0008	.0000	.0012	.0003	.0000
%RSD	26.18	11.45	142.9	12.64	255.8	124.6	25.79
#1	.0002	.0004	.0000	.0002	-.0013	.0005	-.0001
#2	.0004	.0005	-.0011	.0002	.0004	.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103670.**	**13317.**	**1963.1**	**6674.9**
Stddev	63.	65.	9.7	28.2
%RSD	.06077	.48459	.49646	.42181
#1	103720.	13271.	1970.0	6694.8
#2	103630.	13362.	1956.2	6655.0

Zoom In Zoom Out

Sample Name: jb69784-3 Acquired: 6/26/2014 20:02:42 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.7773**	**.0329**	**.0037**	**.0345**	**2.822**	**.0292**	**.2950**	**.1244**	**.0245**
Stddev	.0004	.0003	.0012	.0001	.007	.0009	.0002	.0011	.0002
%RSD	.0512	.8622	33.24	.2810	.2329	3.102	.0807	.9051	.9704
#1	.7770	.0331	.0045	.0345	2.818	.0286	.2948	.1252	.0244
#2	.7775	.0327	.0028	.0344	2.827	.0299	.2952	.1236	.0247

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.025**	**1.092**	**.3702**	**-.0450**	**.1456**	**.0354**	**-.0055**	**107.9**	**19.82**
Stddev	.002	.004	.0017	.0063	.0036	.0025	.0027	.2	.09
%RSD	.2339	.3361	.4661	14.04	2.439	7.004	48.91	.1667	.4382
#1	1.027	1.090	.3714	-.0495	.1431	.0337	-.0074	107.8	19.76
#2	1.023	1.095	.3689	-.0406	.1481	.0372	-.0036	108.1	19.88

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**893.5**	**31.51**	**108.6**	**.3345**	**.6193**	**.0062**	**-.1463**	**5.489**	**.0458**
Stddev	3.1	.09	.4	.0117	.0005	.0004	.0003	.026	.0002
%RSD	.3467	.2750	.3600	3.490	.0860	6.979	.2328	.4656	.4230
#1	891.3	31.45	108.4	.3262	.6197	.0065	-.1461	5.507	.0456
#2	895.7	31.57	108.9	.3427	.6189	.0059	-.1465	5.471	.0459

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1464**	**2.718**	**.0348**	**.1106**	**9.893**	**.0157**	**.0454**
Stddev	.0003	.000	.0022	.0003	.010	.0007	.0004
%RSD	.1764	.0140	6.398	.3045	.1052	4.272	.8714
#1	.1462	2.719	.0364	.1109	9.900	.0162	.0457
#2	.1465	2.718	.0332	.1104	9.886	.0152	.0451

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102520.**	**13682.**	**1957.1**	**6459.0**
Stddev	38.	29.	2.5	5.5
%RSD	.03731	.21390	.12990	.08496
#1	102490.	13703.	1955.3	6455.2
#2	102550.	13662.	1958.9	6462.9

Zoom In Zoom Out

Sample Name: jb69784-4 Acquired: 6/26/2014 20:08:47 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soil rerun 3rd

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3470**	**.0203**	**.0032**	**.0211**	**1.853**	**.0372**	**.2036**	**.0647**	**.0176**
Stddev	.0004	.0001	.0002	.0004	.003	.0006	.0003	.0000	.0008
%RSD	.1134	.5278	4.809	2.020	.1600	1.514	.1666	.0129	4.595
#1	.3467	.0204	.0033	.0214	1.855	.0376	.2034	.0647	.0181
#2	.3472	.0203	.0030	.0208	1.851	.0368	.2039	.0647	.0170

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.6933**	**.6135**	**.3827**	**-.0331**	**.1102**	**.0262**	**-.0010**	**86.86**	**12.08**
Stddev	.0022	.0008	.0011	.0006	.0038	.0037	.0011	.02	.03
%RSD	.3102	.1347	.2939	1.766	3.419	13.94	111.8	.0221	.2448
#1	.6949	.6141	.3819	-.0327	.1075	.0236	-.0017	86.88	12.10
#2	.6918	.6129	.3835	-.0336	.1128	.0288	-.0002	86.85	12.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**658.4**	**23.63**	**76.89**	**.2358**	**.5004**	**.0054**	**-.1138**	**6.397**	**.0372**
Stddev	4.8	.11	.18	.0007	.0001	.0000	.0003	.028	.0033
%RSD	.7257	.4462	.2281	.3024	.0262	.3841	.2377	.4306	8.896
#1	661.8	23.70	76.77	.2363	.5003	.0054	-.1140	6.416	.0348
#2	655.0	23.55	77.01	.2353	.5005	.0054	-.1136	6.377	.0395

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0614**	**1.468**	**.0245**	**.0820**	**17.13**	**.0096**	**.0405**
Stddev	.0000	.000	.0008	.0004	.03	.0023	.0010
%RSD	.0060	.0185	3.371	.5417	.1581	24.42	2.512
#1	.0614	1.468	.0240	.0823	17.15	.0079	.0413
#2	.0614	1.468	.0251	.0817	17.11	.0112	.0398

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101890.**	**13716.**	**1946.2**	**6454.5**
Stddev	126.	22.	2.2	10.2
%RSD	.12415	.15923	.11094	.15733
#1	101800.	13700.	1944.7	6447.3
#2	101980.	13731.	1947.8	6461.7

Zoom In Zoom Out

Sample Name: mp80306-mb1 2 Acquired: 6/26/2014 20:15:00 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 8th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**-.0001**	**.0001**	**-.0001**	**.0001**	**.0016**	**.0002**	**.0002**	**.0001**
Stddev	.0001	.0000	.0001	.0000	.0003	.0003	.0000	.0002	.0003
%RSD	93.99	38.86	116.5	44.87	235.5	19.27	12.90	107.2	272.3
#1	.0002	.0000	.0002	-.0001	.0003	.0018	.0002	.0001	-.0001
#2	.0000	-.0001	.0000	-.0001	-.0001	.0014	.0002	.0004	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0011**	**-.0006**	**-.0002**	**-.0003**	**.0006**	**.0002**	**-.0015**	**.0139**
Stddev	.000	.0001	.0008	.0019	.0001	.0002	.0007	.0012	.0022
%RSD	390.2	9.245	121.2	1236.	26.24	32.75	301.7	77.02	16.14
#1	.0001	.0010	-.0012	.0012	-.0004	.0004	-.0003	-.0024	.0123
#2	-.0002	.0011	-.0001	-.0015	-.0003	.0007	.0008	-.0007	.0154

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0309**	**-.0083**	**.0300**	**-.0019**	**.0004**	**-.0006**	**.0001**	**.0024**	**.0003**
Stddev	.0006	.0096	.0086	.0006	.0000	.0001	.0001	.0007	.0001
%RSD	2.075	114.8	28.51	31.33	9.133	8.847	50.70	27.27	50.81
#1	.0304	-.0151	.0361	-.0015	.0004	-.0006	.0001	.0029	.0002
#2	.0313	-.0016	.0240	-.0024	.0004	-.0006	.0002	.0020	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**-.0064**	**-.0003**	**.0031**	**-.0004**	**.0005**
Stddev	.0001	.0001	.0005	.0001	.0002	.0008	.0004
%RSD	243.4	51.65	7.307	26.94	5.252	208.8	91.34
#1	.0000	.0002	-.0067	-.0004	.0032	.0002	.0002
#2	.0001	.0004	-.0060	-.0003	.0030	-.0010	.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104770.**	**13565.**	**1963.8**	**6702.2**
Stddev	61.	31.	2.4	6.9
%RSD	.05833	.22652	.11995	.10222
#1	104810.	13587.	1965.5	6697.3
#2	104720.	13544.	1962.2	6707.0

Zoom In Zoom Out

Sample Name: mp80306-mb2 Acquired: 6/26/2014 20:21:18 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 8th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**.0002**	**-.0003**	**.0004**	**-.0001**	**.0001**	**-.0003**	**-.0001**
Stddev	.000	.0000	.0000	.0000	.0000	.0001	.0000	.0004	.0001
%RSD	45440.	70.36	6.399	19.04	1.600	69.50	6.153	107.3	118.1
#1	.0001	.0000	.0002	-.0002	.0004	-.0002	.0001	-.0006	-.0002
#2	-.0001	.0000	.0002	-.0003	.0004	-.0001	.0001	-.0001	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0021**	**-.0003**	**-.0015**	**-.0007**	**.0019**	**.0004**	**-.0021**	**.0123**
Stddev	.0001	.0001	.0001	.0019	.0006	.0003	.0000	.0027	.0012
%RSD	47.35	5.944	40.01	127.0	88.71	15.51	.2427	123.6	9.471
#1	-.0001	.0022	-.0002	-.0028	-.0003	.0017	.0004	-.0003	.0115
#2	-.0002	.0020	-.0004	-.0002	-.0012	.0021	.0004	-.0040	.0131

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0059**	**-.0049**	**.0182**	**.0092**	**.0009**	**.0000**	**.0003**	**.0320**	**.0011**
Stddev	.0002	.0047	.0153	.0022	.0004	.0001	.0003	.0000	.0004
%RSD	2.791	95.45	83.95	23.39	42.79	1129.	126.4	.0884	35.16
#1	.0058	-.0016	.0074	.0077	.0012	.0001	.0005	.0320	.0014
#2	.0060	-.0082	.0290	.0108	.0006	-.0001	.0000	.0320	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0004**	**-.0001**	**-.0001**	**.0020**	**-.0003**	**.0001**
Stddev	.0001	.0003	.0004	.0000	.0023	.0002	.0003
%RSD	83.16	86.79	379.5	27.51	116.0	50.38	366.4
#1	.0000	.0001	-.0004	-.0001	.0004	-.0002	-.0001
#2	.0001	.0006	.0002	-.0001	.0037	-.0005	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103940.**	**13387.**	**1951.2**	**6667.1**
Stddev	174.	3.	1.5	4.1
%RSD	.16755	.02410	.07472	.06109
#1	103820.	13385.	1950.2	6664.2
#2	104060.	13390.	1952.2	6670.0

Zoom In Zoom Out

Sample Name: mp80306-lc1 Acquired: 6/26/2014 20:27:36 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 8th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4895**	**.5030**	**.5007**	**.4855**	**.5016**	**.4698**	**.5157**	**.5016**	**.1854**
Stddev	.0002	.0010	.0001	.0006	.0017	.0013	.0001	.0006	.0003
%RSD	.0347	.2000	.0249	.1247	.3445	.2738	.0144	.1219	.1777
#1	.4894	.5023	.5006	.4850	.5003	.4708	.5157	.5012	.1851
#2	.4896	.5037	.5008	.4859	.5028	.4689	.5158	.5020	.1856

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5009**	**.5185**	**.4932**	**.5303**	**.5050**	**.5026**	**.4871**	**4.875**	**5.391**
Stddev	.0001	.0005	.0011	.0009	.0003	.0001	.0012	.029	.000
%RSD	.0114	.0917	.2195	.1720	.0598	.0116	.2380	.5845	.0057
#1	.5009	.5189	.4925	.5309	.5048	.5025	.4863	4.855	5.391
#2	.5009	.5182	.4940	.5296	.5052	.5026	.4879	4.895	5.391

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.474**	**5.280**	**10.06**	**9.872**	**-.0023**	**.5030**	**-.0055**	**-.0025**	**.0030**
Stddev	.009	.037	.03	.010	.0004	.0011	.0004	.0001	.0006
%RSD	.1739	.6927	.3340	.1040	15.60	.2227	7.506	2.662	19.68
#1	5.467	5.254	10.03	9.864	-.0025	.5022	-.0053	-.0025	.0035
#2	5.480	5.306	10.08	9.879	-.0020	.5038	-.0058	-.0024	.0026

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.5028**	**-.0047**	**.0032**	**-.0036**	**-.0002**	**.0005**
Stddev	.0000	.0007	.0004	.0002	.0000	.0003	.0000
%RSD	28.12	.1328	7.732	6.179	.2929	129.8	7.221
#1	.0000	.5033	-.0044	.0033	-.0036	.0000	.0005
#2	-.0001	.5023	-.0049	.0031	-.0036	-.0004	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103100.**	**13547.**	**1936.9**	**6476.3**
Stddev	115.	45.	.1	2.7
%RSD	.11173	.33014	.00613	.04188
#1	103010.	13579.	1936.9	6474.4
#2	103180.	13515.	1937.0	6478.2

Zoom In Zoom Out

Sample Name: mp80306-lc2 Acquired: 6/26/2014 20:33:43 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 8th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4690**	**.4787**	**.4682**	**.4576**	**.4784**	**.4432**	**.4903**	**.4712**	**.1718**
Stddev	.0009	.0006	.0004	.0010	.0008	.0012	.0003	.0008	.0007
%RSD	.1916	.1199	.0816	.2251	.1632	.2645	.0624	.1667	.3825
#1	.4696	.4791	.4680	.4569	.4790	.4441	.4901	.4707	.1722
#2	.4683	.4783	.4685	.4583	.4779	.4424	.4905	.4718	.1713

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4794**	**.4908**	**.4606**	**.4887**	**.4679**	**.4692**	**.4555**	**4.613**	**5.126**
Stddev	.0005	.0009	.0002	.0019	.0001	.0004	.0019	.009	.007
%RSD	.1020	.1881	.0474	.3959	.0241	.0781	.4156	.2010	.1387
#1	.4790	.4901	.4607	.4901	.4680	.4695	.4568	4.620	5.131
#2	.4797	.4914	.4604	.4873	.4679	.4690	.4541	4.607	5.121

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.208**	**5.024**	**9.567**	**9.380**	**.0003**	**.4833**	**-.0053**	**.0133**	**.0027**
Stddev	.015	.008	.016	.012	.0001	.0005	.0005	.0010	.0014
%RSD	.2855	.1510	.1676	.1316	53.75	.1124	9.452	7.687	52.02
#1	5.219	5.019	9.578	9.389	.0002	.4829	-.0049	.0125	.0017
#2	5.198	5.029	9.556	9.372	.0004	.4837	-.0056	.0140	.0037

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**.4808**	**.0016**	**.0030**	**-.0037**	**-.0007**	**.0002**
Stddev	.0000	.0005	.0001	.0001	.0021	.0002	.0003
%RSD	69.71	.1010	6.283	1.841	55.80	33.71	140.5
#1	-.0001	.4805	.0016	.0031	-.0052	-.0006	.0000
#2	.0000	.4811	.0015	.0030	-.0022	-.0009	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**102740.**	**13403.**	**1933.8**	**6482.1**
Stddev	57.	37.	.8	3.2
%RSD	.05569	.27973	.04024	.04935
#1	102700.	13377.	1934.4	6484.3
#2	102780.	13430.	1933.3	6479.8

Zoom In Zoom Out

Sample Name: mp80306-s1 Acquired: 6/26/2014 20:39:51 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 8th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.003**	**.0519**	**.0489**	**.5004**	**.2029**	**.2385**	**.9217**	**.5167**	**.0497**
Stddev	.002	.0001	.0001	.0011	.0022	.0005	.0032	.0004	.0002
%RSD	.0876	.2454	.2391	.2199	1.093	.2214	.3477	.0685	.3052
#1	2.004	.0518	.0488	.4996	.2045	.2382	.9240	.5165	.0498
#2	2.002	.0520	.0490	.5012	.2013	.2389	.9195	.5170	.0495

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5043**	**.6219**	**2.092**	**2.156**	**.5167**	**2.108**	**.5139**	**2.139**	**38.52**
Stddev	.0015	.0007	.002	.005	.0002	.002	.0004	.006	.12
%RSD	.2887	.1074	.0869	.2471	.0391	.0874	.0772	.2839	.3028
#1	.5053	.6214	2.093	2.160	.5168	2.107	.5142	2.135	38.44
#2	.5033	.6224	2.090	2.152	.5165	2.109	.5137	2.144	38.60

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.436**	**29.20**	**27.55**	**48.79**	**.0968**	**.0012**	**-.0066**	**4.623**	**.0029**
Stddev	.010	.08	.06	.05	.0002	.0000	.0008	.001	.0003
%RSD	.1847	.2810	.2060	.1095	.1856	1.273	12.83	.0177	9.763
#1	5.429	29.14	27.51	48.83	.0967	.0013	-.0072	4.624	.0027
#2	5.443	29.26	27.60	48.76	.0969	.0012	-.0060	4.623	.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0684**	**.0018**	**-.0084**	**.0040**	**26.22**	**-.0006**	**.0026**
Stddev	.0002	.0003	.0004	.0000	.01	.0007	.0000
%RSD	.2269	14.43	5.065	.1513	.0289	114.0	.7693
#1	.0685	.0020	-.0087	.0040	26.23	-.0001	.0026
#2	.0683	.0016	-.0081	.0040	26.22	-.0012	.0026

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99681.**	**13391.**	**1883.0**	**6126.6**
Stddev	103.	74.	.8	3.3
%RSD	.10347	.55328	.04198	.05439
#1	99608.	13443.	1883.6	6128.9
#2	99753.	13338.	1882.4	6124.2

Zoom In Zoom Out

Sample Name: mp80306-s2 Acquired: 6/26/2014 20:45:56 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 8th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.054**	**.0530**	**.0500**	**.5098**	**.2069**	**.2457**	**.9365**	**.5285**	**.0510**
Stddev	.002	.0001	.0001	.0016	.0013	.0000	.0027	.0011	.0001
%RSD	.0991	.1617	.1391	.3099	.6369	.0057	.2935	.2100	.2688
#1	2.055	.0531	.0499	.5086	.2078	.2457	.9384	.5277	.0509
#2	2.052	.0529	.0500	.5109	.2059	.2457	.9345	.5293	.0511

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5164**	**.6316**	**2.142**	**2.208**	**.5285**	**2.157**	**.5248**	**2.202**	**38.19**
Stddev	.0013	.0013	.002	.004	.0001	.001	.0019	.004	.10
%RSD	.2552	.1985	.0811	.1871	.0268	.0622	.3682	.1810	.2566
#1	.5173	.6307	2.144	2.205	.5286	2.156	.5262	2.200	38.12
#2	.5155	.6325	2.141	2.211	.5284	2.158	.5235	2.205	38.26

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.466**	**28.95**	**27.46**	**49.03**	**.0974**	**.0009**	**-.0070**	**4.678**	**.0033**
Stddev	.004	.07	.05	.01	.0007	.0001	.0002	.008	.0004
%RSD	.0649	.2412	.1785	.0303	.6828	6.888	2.351	.1652	13.49
#1	5.464	28.90	27.50	49.04	.0970	.0010	-.0069	4.683	.0030
#2	5.469	29.00	27.43	49.02	.0979	.0009	-.0071	4.672	.0036

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0689**	**.0023**	**-.0090**	**.0035**	**26.52**	**-.0005**	**.0032**
Stddev	.0001	.0000	.0006	.0000	.03	.0005	.0004
%RSD	.1765	.2357	6.916	.5446	.1176	101.0	12.61
#1	.0690	.0023	-.0086	.0036	26.50	-.0008	.0035
#2	.0688	.0023	-.0094	.0035	26.54	-.0001	.0029

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98826.**	**13363.**	**1871.5**	**6096.3**
Stddev	222.	40.	6.4	4.6
%RSD	.22434	.30003	.34089	.07590
#1	98669.	13391.	1867.0	6093.1
#2	98982.	13335.	1876.0	6099.6

Zoom In Zoom Out

Sample Name: jb70163-1 Acquired: 6/26/2014 20:52:01 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water 8th

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0269**	**.0001**	**.0004**	**.0006**	**.0016**	**.0018**	**.4221**	**.0071**	**.0002**
Stddev	.0001	.0000	.0001	.0001	.0000	.0001	.0001	.0000	.0002
%RSD	.1945	32.86	21.42	16.60	2.365	4.918	.0188	.0468	106.8
#1	.0269	.0001	.0003	.0007	.0015	.0019	.4221	.0071	.0003
#2	.0269	.0001	.0004	.0005	.0016	.0017	.4220	.0071	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.1045**	**.0007**	**.0007**	**.0006**	**.0013**	**.0004**	**.1864**	**13.76**
Stddev	.0000	.0001	.0007	.0036	.0001	.0018	.0004	.0017	.02
%RSD	23.05	.0928	97.50	524.5	13.82	136.0	85.54	.8862	.1371
#1	.0002	.1044	.0002	.0033	.0005	.0026	.0002	.1853	13.77
#2	.0002	.1046	.0013	-.0019	.0006	.0001	.0007	.1876	13.75

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.525**	**3.795**	**1.646**	**23.39**	**.0966**	**-.0006**	**-.0012**	**4.629**	**.0021**
Stddev	.010	.022	.007	.03	.0003	.0002	.0004	.004	.0000
%RSD	.2241	.5803	.4083	.1443	.3124	27.78	37.51	.0859	1.625
#1	4.518	3.810	1.650	23.42	.0968	-.0005	-.0015	4.626	.0020
#2	4.532	3.779	1.641	23.37	.0964	-.0007	-.0009	4.632	.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0702**	**.0006**	**-.0094**	**.0018**	**25.77**	**.0001**	**.0029**
Stddev	.0001	.0004	.0007	.0001	.12	.0003	.0005
%RSD	.1171	56.41	7.008	2.960	.4780	355.1	15.81
#1	.0701	.0004	-.0089	.0018	25.68	.0003	.0025
#2	.0702	.0009	-.0099	.0019	25.86	-.0001	.0032

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101880.**	**13402.**	**1925.3**	**6407.0**
Stddev	2.	47.	.4	2.4
%RSD	.00188	.34715	.01818	.03803
#1	101880.	13369.	1925.1	6408.8
#2	101880.	13435.	1925.6	6405.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 20:58:14 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.966**	**1.991**	**1.988**	**1.999**	**1.982**	**1.960**	**2.040**	**2.010**	**.2429**
Stddev	.002	.001	.003	.002	.002	.002	.001	.001	.0003
%RSD	.0803	.0363	.1712	.0883	.1158	.1200	.0366	.0696	.1385
#1	1.967	1.991	1.985	1.997	1.981	1.958	2.039	2.009	.2427
#2	1.965	1.990	1.990	2.000	1.984	1.961	2.040	2.011	.2432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.030**	**1.949**	**2.076**	**2.015**	**1.958**	**1.957**	**39.70**	**39.23**
Stddev	.003	.006	.004	.000	.002	.004	.006	.04	.06
%RSD	.1317	.2788	.2318	.0062	.1188	.2163	.3135	.1089	.1549
#1	2.012	2.026	1.946	2.076	2.017	1.955	1.961	39.73	39.19
#2	2.016	2.034	1.952	2.076	2.013	1.961	1.952	39.67	39.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.98**	**38.52**	**40.18**	**39.76**	**1.980**	**1.990**	**1.946**	**4.899**	**2.016**
Stddev	.05	.16	.02	.03	.003	.004	.002	.001	.009
%RSD	.1328	.4107	.0508	.0757	.1386	.1840	.0771	.0136	.4586
#1	38.94	38.40	40.17	39.78	1.978	1.987	1.947	4.900	2.010
#2	39.01	38.63	40.20	39.73	1.982	1.992	1.945	4.899	2.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 20:58:14 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 4

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.972**	**1.990**	**1.859**	**1.954**	**1.905**	**1.964**	**1.963**
Stddev	.000	.001	.009	.000	.000	.001	.002
%RSD	.0207	.0336	.4913	.0025	.0081	.0431	.1099
#1	1.972	1.990	1.853	1.954	1.905	1.963	1.965
#2	1.972	1.991	1.866	1.955	1.905	1.964	1.962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97941.**	**13343.**	**1908.9**	**6074.2**
Stddev	155.	36.	.0	4.8
%RSD	.15831	.26951	.00054	.07851
#1	98051.	13368.	1908.9	6070.8
#2	97832.	13317.	1908.9	6077.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 21:04:18 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0002**	**.0003**	**.0001**	**.0002**	**.0000**	**.0003**	**.0002**	**.0000**
Stddev	.0000	.0000	.0001	.0001	.0000	.000	.0000	.0002	.0001
%RSD	8.335	4.799	32.33	57.29	1.056	181.0	.3759	91.77	246.1
#1	.0004	.0002	.0003	.0002	.0002	.0000	.0003	.0001	.0001
#2	.0004	.0002	.0002	.0001	.0002	-.0001	.0003	.0003	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**.0005**	**.0017**	**.0008**	**-.0006**	**.0011**	**-.0023**	**.0080**
Stddev	.0002	.0001	.0001	.0003	.0007	.0006	.0001	.0028	.0000
%RSD	95.95	35.89	13.14	19.23	86.77	101.4	9.525	117.9	.4551
#1	.0004	.0004	.0005	.0020	.0014	-.0010	.0010	-.0043	.0080
#2	.0001	.0002	.0004	.0015	.0003	-.0002	.0012	-.0004	.0080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0064**	**-.0099**	**.0333**	**.0161**	**.0009**	**.0010**	**.0004**	**.0027**	**.0008**
Stddev	.0015	.0202	.0093	.0047	.0000	.0004	.0005	.0001	.0000
%RSD	24.06	203.8	27.97	28.95	1.860	34.81	124.2	4.721	2.107
#1	.0075	.0044	.0399	.0194	.0009	.0013	.0000	.0028	.0008
#2	.0053	-.0242	.0267	.0128	.0009	.0008	.0007	.0026	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 21:04:18 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0003**	**-.0011**	**.0002**	**.0008**	**.0008**	**.0001**
Stddev	.0000	.0002	.0005	.0000	.0003	.0004	.0005
%RSD	6.354	71.33	47.78	23.10	40.89	54.80	404.1
#1	.0004	.0001	-.0007	.0002	.0011	.0005	-.0002
#2	.0003	.0004	-.0015	.0002	.0006	.0010	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105090.**	**13255.**	**1973.7**	**6736.3**
Stddev	209.	100.	2.5	5.7
%RSD	.19929	.75480	.12675	.08436
#1	104950.	13326.	1975.4	6740.3
#2	105240.	13184.	1971.9	6732.3

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 21:10:36 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2023**	**.0022**	**.0033**	**.0513**	**.0107**	**.0099**	**.0161**	**.0105**	**.0050**
Stddev	.0006	.0001	.0002	.0000	.0000	.0002	.0001	.0002	.0002
%RSD	.3000	2.851	5.978	.0743	.4003	1.579	.6222	2.218	3.680
#1	.2028	.0022	.0031	.0513	.0106	.0100	.0162	.0106	.0051
#2	.2019	.0023	.0034	.0513	.0107	.0098	.0161	.0103	.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0531**	**.0240**	**.0087**	**.0111**	**.0028**	**.0127**	**.0063**	**.1915**	**5.063**
Stddev	.0002	.0001	.0005	.0002	.0010	.0008	.0008	.0037	.021
%RSD	.3205	.6168	6.222	1.860	37.72	6.333	12.87	1.911	.4113
#1	.0532	.0239	.0084	.0113	.0020	.0133	.0057	.1941	5.048
#2	.0530	.0241	.0091	.0110	.0035	.0122	.0068	.1889	5.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1065**	**5.094**	**5.072**	**4.993**	**.1044**	**.0213**	**.0535**	**.2032**	**.0122**
Stddev	.0024	.025	.017	.007	.0016	.0001	.0002	.0001	.0008
%RSD	2.245	.4832	.3255	.1429	1.539	.6377	.4435	.0736	6.614
#1	.1082	5.076	5.083	4.998	.1032	.0213	.0533	.2031	.0117
#2	.1048	5.111	5.060	4.988	.1055	.0214	.0537	.2033	.0128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 6/26/2014 21:10:36 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0107**	**.0464**	**.0110**	**.0485**	**.0215**	**.0211**
Stddev	.0001	.0004	.0001	.0001	.0013	.0003	.0001
%RSD	1.325	3.307	.1465	1.082	2.729	1.248	.7051
#1	.0108	.0109	.0464	.0111	.0494	.0217	.0212
#2	.0106	.0104	.0465	.0109	.0476	.0214	.0210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**103800.**	**13309.**	**1949.9**	**6563.4**
Stddev	124.	71.	9.1	14.6
%RSD	.11945	.53292	.46539	.22195
#1	103710.	13359.	1956.3	6573.7
#2	103880.	13259.	1943.5	6553.1

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 21:16:52 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0011**	**.0013**	**.0029**	**.0024**	**.0021**	**.0032**	**.0040**	**.0008**
Stddev	.0001	.0000	.0000	.0002	.0001	.0001	.0001	.0002	.0002
%RSD	1.949	3.544	1.143	5.242	5.244	4.071	1.703	4.676	17.89
#1	.0041	.0011	.0013	.0028	.0025	.0021	.0033	.0038	.0007
#2	.0040	.0010	.0013	.0030	.0023	.0020	.0032	.0041	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0114**	**.0030**	**.0024**	**.0020**	**.0043**	**.0035**	**.0959**	**1.019**
Stddev	.0001	.0001	.0002	.0007	.0004	.0004	.0005	.0043	.002
%RSD	6.545	1.005	6.670	28.53	19.56	9.806	13.38	4.495	.2250
#1	.0020	.0114	.0028	.0019	.0017	.0040	.0031	.0989	1.021
#2	.0018	.0113	.0031	.0029	.0022	.0046	.0038	.0928	1.017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0912**	**2.103**	**1.008**	**.0097**	**-.0004**	**.0004**	**-.0010**	**.0003**
Stddev	.0001	.0073	.014	.002	.0001	.0002	.0001	.0003	.0002
%RSD	76.96	7.965	.6425	.1932	1.044	38.29	36.71	34.88	60.41
#1	-.0001	.0963	2.112	1.009	.0098	-.0003	.0005	-.0007	.0002
#2	-.0003	.0860	2.093	1.006	.0096	-.0006	.0003	-.0012	.0004
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: crid Acquired: 6/26/2014 21:16:52 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**-.0068**	**-.0004**	**-.0014**	**.0002**	**-.0001**
Stddev	.0001	.0000	.0002	.0000	.0001	.0002	.0011
%RSD	500.9	54.64	2.483	9.960	8.801	106.2	954.4
#1	.0000	.0001	-.0067	-.0005	-.0013	.0001	-.0009
#2	.0001	.0001	-.0069	-.0004	-.0015	.0004	.0006
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104320.**	**13271.**	**1971.7**	**6674.8**
Stddev	117.	45.	3.3	1.5
%RSD	.11251	.34251	.16693	.02255
#1	104400.	13303.	1969.4	6673.7
#2	104240.	13239.	1974.1	6675.9

Zoom In Zoom Out

Sample Name: cria Acquired: 6/26/2014 21:23:11 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**.0001**	**.0000**	**-.0002**	**.0000**	**.0000**	**.0000**
Stddev	.0001	.000	.0001	.0001	.000	.0002	.0000	.000	.000
%RSD	49.35	34.23	77.75	122.9	286.0	73.18	161.4	4186.	1555.
#1	.0001	-.0001	.0002	.0000	.0000	-.0004	.0000	.0001	.0000
#2	.0002	.0000	.0000	.0001	-.0001	-.0001	.0000	-.0001	-.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0013**	**.0196**	**.0005**	**.0206**	**.0207**	**.0202**	**.4916**	**.0046**
Stddev	.0000	.0002	.0004	.0001	.0010	.0006	.0011	.0035	.0003
%RSD	16.51	15.02	2.130	25.49	4.607	2.932	5.645	.7085	7.133
#1	-.0002	.0014	.0199	.0005	.0200	.0202	.0210	.4891	.0048
#2	-.0003	.0011	.0193	.0004	.0213	.0211	.0194	.4941	.0043
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5181**	**-.0171**	**-.0060**	**-.0047**	**-.0004**	**-.0008**	**.0002**	**-.0014**	**.0003**
Stddev	.0002	.0021	.0129	.0005	.0001	.0002	.0005	.0000	.0001
%RSD	.0352	12.32	216.2	9.570	28.35	26.05	181.2	1.762	25.13
#1	.5179	-.0156	-.0150	-.0051	-.0004	-.0009	-.0001	-.0014	.0002
#2	.5182	-.0186	.0031	-.0044	-.0005	-.0006	.0006	-.0014	.0003
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 6/26/2014 21:23:11 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0088**	**-.0005**	**.0001**	**.0003**	**.0003**
Stddev	.0000	.0000	.0003	.0000	.0002	.0001	.0006
%RSD	47.62	11.54	3.886	9.512	223.6	50.23	195.7
#1	.0000	-.0001	-.0086	-.0004	.0002	.0002	-.0001
#2	.0001	-.0001	-.0091	-.0005	.0000	.0003	.0007
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**105120.**	**13456.**	**1987.8**	**6736.3**
Stddev	20.	34.	.6	12.0
%RSD	.01900	.25171	.03142	.17840
#1	105130.	13480.	1988.2	6744.8
#2	105100.	13432.	1987.4	6727.8

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/26/2014 21:29:33 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0000**	**.0011**	**.0005**	**.0014**	**.0042**	**.0015**	**-.0041**
Stddev	.0001	.000	.0000	.0001	.0001	.0003	.0000	.0001
%RSD	7.212	369.5	4.114	10.85	5.311	7.989	2.321	1.652
#1	-.0011	.0000	.0012	.0006	.0014	.0045	.0015	-.0041
#2	-.0010	.0000	.0011	.0005	.0015	.0040	.0015	-.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**-.0009**	**-.0024**	**.0014**	**.0032**	**.0051**	**.0000**	**-.0032**
Stddev	.0000	.0003	.0001	.0010	.0050	.0017	.001	.0031
%RSD	.3114	35.85	4.711	74.31	155.6	32.77	3062.	95.67
#1	.0055	-.0007	-.0025	.0006	-.0003	.0039	.0006	-.0054
#2	.0055	-.0011	-.0023	.0021	.0068	.0063	-.0007	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**510.5**	**385.4**	**182.2**	**531.2**	**.0532**	**-.0100**	**-.0140**	**.0063**
Stddev	3.7	2.2	.1	.6	.0128	.0042	.0008	.0000
%RSD	.7247	.5745	.0582	.1065	24.07	42.50	6.039	.1768
#1	513.1	387.0	182.3	531.6	.0442	-.0070	-.0146	.0063
#2	507.9	383.8	182.1	530.8	.0623	-.0130	-.0134	.0063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: icsa Acquired: 6/26/2014 21:29:33 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0404**	**-.0031**	F **.0110**	**-.0005**	**.0023**	**.0095**	F **.0218**	F **-.0528**
Stddev	.0002	.0022	.0011	.0001	.0001	.0004	.0000	.0024
%RSD	.5100	71.70	9.693	18.28	2.530	4.355	.0220	4.570
#1	-.0405	-.0015	.0117	-.0006	.0022	.0092	.0218	-.0545
#2	-.0402	-.0047	.0102	-.0005	.0023	.0098	.0218	-.0511
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit			.0100				.0100	.0500
Low Limit			-.0100				-.0100	-.0500

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0011**	**.0059**
Stddev	.0012	.0000
%RSD	111.3	.4911
#1	.0002	.0059
#2	.0019	.0059
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89314.**	**12630.**	**1736.2**	**5350.2**
Stddev	21.	13.	21.8	66.7
%RSD	.02383	.09915	1.2541	1.2461
#1	89299.	12621.	1720.8	5303.1
#2	89329.	12639.	1751.6	5397.4

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/26/2014 21:35:57 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5118**	**.5026**	**1.046**	**.4820**	**.4694**	**.5237**	**.4974**	**.9621**	**1.042**
Stddev	.0004	.0008	.005	.0028	.0007	.0045	.0004	.0054	.006
%RSD	.0729	.1509	.4641	.5763	.1407	.8561	.0716	.5641	.5428
#1	.5115	.5031	1.042	.4800	.4689	.5269	.4976	.9583	1.046
#2	.5120	.5021	1.049	.4839	.4698	.5205	.4971	.9660	1.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4792**	**.9606**	**1.091**	**.9773**	**.9517**	**1.084**	**1.047**	**509.2**	**374.2**
Stddev	.0023	.0033	.003	.0091	.0067	.003	.006	.6	.6
%RSD	.4735	.3469	.2900	.9329	.7010	.3102	.5322	.1128	.1619
#1	.4808	.9582	1.089	.9709	.9470	1.082	1.044	508.8	373.8
#2	.4776	.9629	1.094	.9838	.9564	1.087	1.051	509.6	374.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**189.1**	**527.3**	**-.0180**	**-.0059**	**-.0155**	**.5098**	**.5117**	**-.0077**	**.0119**
Stddev	.2	1.1	.0051	.0009	.0007	.0037	.0049	.0011	.0008
%RSD	.1110	.2087	28.21	15.92	4.435	.7206	.9535	14.73	6.578
#1	189.2	528.1	-.0144	-.0066	-.0150	.5072	.5152	-.0085	.0125
#2	188.9	526.5	-.0216	-.0053	-.0160	.5124	.5083	-.0069	.0114
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 6/26/2014 21:35:57 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0051**	**.5211**	**.5560**	**.4431**	**.5606**	**.5672**
Stddev	.0001	.0001	.0057	.0026	.0054	.0020	.0030
%RSD	11.93	1.427	1.089	.4595	1.217	.3601	.5283
#1	-.0005	.0051	.5171	.5578	.4393	.5591	.5650
#2	-.0006	.0050	.5251	.5542	.4469	.5620	.5693
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89618.**	**12596.**	**1711.7**	**5303.1**
Stddev	470.	54.	9.2	37.3
%RSD	.52488	.43046	.54016	.70343
#1	89285.	12557.	1718.2	5329.4
#2	89950.	12634.	1705.2	5276.7

Zoom In Zoom Out

Sample Name: sconf Acquired: 6/26/2014 21:42:12 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0001**	**-.0002**	**.0002**	**-.0002**	**.0000**	**.0001**	**-.0001**
Stddev	.0001	.000	.0001	.0001	.0001	.0001	.0000	.0002	.0000
%RSD	249.7	28.93	38.08	22.71	35.91	86.78	93.64	147.3	24.64
#1	.0000	.0000	.0001	-.0002	.0002	-.0001	.0000	.0002	-.0001
#2	.0001	.0000	.0002	-.0003	.0001	-.0003	.0001	.0000	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0001**	**-.0002**	**.0033**	**-.0016**	**-.0003**	**.0021**	**-.0087**	**-.0026**
Stddev	.0001	.0001	.0003	.0005	.0004	.0012	.0002	.0075	.0012
%RSD	74.53	38.69	213.6	15.11	22.88	399.6	9.887	86.21	45.70
#1	-.0002	.0002	-.0004	.0036	-.0013	-.0011	.0022	-.0034	-.0035
#2	-.0001	.0001	.0001	.0029	-.0018	.0005	.0019	-.0140	-.0018

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0033**	**-.0083**	**-.0076**	**-.0098**	**-.0003**	**-.0004**	**.0005**	**.0060**	**.0003**
Stddev	.0006	.0071	.0038	.0007	.0002	.0001	.0015	.0009	.0002
%RSD	17.47	85.78	49.07	7.146	48.89	26.45	291.3	15.64	59.10
#1	.0029	-.0133	-.0050	-.0093	-.0005	-.0003	-.0005	.0066	.0005
#2	.0037	-.0033	-.0103	-.0103	-.0002	-.0005	.0016	.0053	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0098**	**.0143**	**91.31**	**.0006**	**-.0002**
Stddev	.0001	.0002	.0003	.0002	.22	.0005	.0004
%RSD	105.1	3022.	3.150	1.611	.2373	91.46	237.9
#1	.0000	.0002	-.0096	.0144	91.16	.0010	-.0005
#2	.0001	-.0002	-.0100	.0141	91.46	.0002	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103860.**	**13524.**	**1991.0**	**6748.7**
Stddev	108.	24.	2.0	6.3
%RSD	.10410	.17863	.10213	.09375
#1	103780.	13541.	1989.5	6744.2
#2	103940.	13507.	1992.4	6753.2

Zoom In Zoom Out

Sample Name: bconf Acquired: 6/26/2014 21:48:32 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0000**	**.0000**	**.0001**	**.0000**	**-.0001**	**.0000**	**.0000**	**-.0002**
Stddev	.0001	.000	.000	.0000	.0004	.0002	.0000	.000	.0002
%RSD	24.16	38.07	166.2	40.64	979.4	233.3	125.2	564.7	62.97
#1	.0002	.0000	.0000	.0001	.0003	-.0002	.0000	.0001	-.0003
#2	.0003	-.0001	.0000	.0001	-.0002	.0000	.0001	-.0002	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0000**	**-.0001**	**.0132**	**-.0001**	**.0004**	**.0006**	**-.0082**	**.0034**
Stddev	.0001	.0000	.0003	.0006	.0006	.0002	.0001	.0008	.0010
%RSD	55.75	32.95	455.5	4.932	453.9	44.93	20.20	9.690	29.09
#1	-.0003	.0000	-.0003	.0127	-.0006	.0006	.0006	-.0088	.0027
#2	-.0001	.0000	.0001	.0136	.0003	.0003	.0005	-.0077	.0041

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0037**	**-.0131**	**-.0219**	**-.0092**	**9.935**	**-.0007**	**-.0001**	**.0079**	**.0005**
Stddev	.0010	.0020	.0382	.0003	.018	.0001	.0003	.0003	.0003
%RSD	27.60	15.30	174.9	3.307	.1771	8.569	252.5	3.292	59.00
#1	.0045	-.0117	.0052	-.0094	9.922	-.0007	-.0003	.0081	.0003
#2	.0030	-.0145	-.0489	-.0090	9.947	-.0007	.0001	.0078	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0102**	**.0010**	**.0006**	**.0006**	**.0001**
Stddev	.000	.000	.0000	.0001	.0008	.0001	.0004
%RSD	101.4	6124.	.4193	14.36	126.6	10.09	632.1
#1	-.0001	.0002	-.0101	.0011	.0012	.0005	.0004
#2	.0000	-.0002	-.0102	.0009	.0001	.0006	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104630.**	**13312.**	**1980.5**	**6730.6**
Stddev	110.	232.	2.6	10.8
%RSD	.10485	1.7418	.13066	.15982
#1	104710.	13148.	1982.4	6738.2
#2	104550.	13476.	1978.7	6723.0

Zoom In Zoom Out

Sample Name: baconf Acquired: 6/26/2014 21:54:50 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**19.99**	**.0002**	**.0000**	**.0000**	**.0001**	**.0000**	**.0002**	**.0000**	**-.0021**
Stddev	.12	.0000	.0001	.000	.0002	.0001	.0000	.0003	.0000
%RSD	.5870	13.40	471.4	278.8	328.6	668.7	18.83	1203.	.5734
#1	20.08	.0002	-.0001	-.0001	-.0001	.0001	.0002	-.0002	-.0021
#2	19.91	.0002	.0001	.0000	.0002	-.0001	.0001	.0002	-.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0049**	**.0003**	**-.0002**	**-.0009**	**.0004**	**.0004**	**-.0826**	**.0402**
Stddev	.0000	.0001	.0002	.0003	.0013	.0001	.0005	.0014	.0010
%RSD	25.73	1.601	56.00	172.0	145.8	36.63	115.0	1.734	2.478
#1	-.0001	.0050	.0005	-.0004	-.0018	.0003	.0007	-.0836	.0395
#2	-.0001	.0048	.0002	.0000	.0000	.0004	.0001	-.0816	.0410

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0010**	**-.0133**	**-.0149**	**.0043**	**.0057**	**.0019**	**.0006**	**-.0101**	**.0004**
Stddev	.0023	.0104	.0051	.0047	.0010	.0001	.0005	.0002	.0005
%RSD	241.8	78.47	34.29	107.1	17.58	2.700	89.10	2.255	112.8
#1	.0026	-.0059	-.0113	.0076	.0064	.0019	.0002	-.0103	.0001
#2	-.0007	-.0206	-.0185	.0011	.0050	.0019	.0010	-.0100	.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0002**	**.0002**	**-.0081**	**.0019**	**.0030**	**-.0022**	**-.0003**
Stddev	.0000	.0000	.0000	.0000	.0009	.0003	.0002
%RSD	17.24	5.201	.0112	2.430	29.80	11.94	72.79
#1	.0002	.0002	-.0081	.0018	.0036	-.0024	-.0002
#2	.0002	.0001	-.0081	.0019	.0024	-.0021	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103720.**	**13267.**	**1961.9**	**6735.7**
Stddev	616.	8.	.9	.8
%RSD	.59428	.06182	.04700	.01245
#1	104150.	13273.	1962.6	6735.1
#2	103280.	13262.	1961.3	6736.3

Zoom In Zoom Out

Sample Name: siconf Acquired: 6/26/2014 22:01:16 Type: Unk
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**-.0004**	**.0002**	**-.0002**	**.0001**	**.0001**	**.0002**
Stddev	.0001	.000	.000	.0003	.0000	.0001	.0000	.0003	.0001
%RSD	51.64	132.1	103.8	77.69	28.23	53.66	11.58	361.9	29.07
#1	.0001	.0000	.0000	-.0002	.0002	-.0001	.0001	-.0001	.0001
#2	.0002	-.0001	-.0001	-.0006	.0001	-.0003	.0001	.0003	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0001**	**.0110**	**-.0002**	**-.0007**	**.0037**	**.0067**	**.0010**	**-.0180**	**.0112**
Stddev	.0001	.0000	.0002	.0005	.0004	.0013	.0008	.0022	.0016
%RSD	84.80	.2990	136.3	73.16	10.89	19.59	79.23	12.08	14.02
#1	-.0002	.0110	-.0004	-.0003	.0040	.0076	.0015	-.0165	.0101
#2	.0000	.0111	.0000	-.0010	.0034	.0058	.0004	-.0196	.0124

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0026**	**-.0134**	**-.0165**	**-.0079**	**.0045**	**-.0005**	**-.0002**	**19.17**	**.0006**
Stddev	.0005	.0250	.0176	.0019	.0001	.0001	.0007	.03	.0001
%RSD	20.03	186.9	106.8	24.76	1.258	16.25	391.0	.1694	11.96
#1	.0030	-.0311	-.0289	-.0092	.0045	-.0004	-.0006	19.15	.0005
#2	.0023	.0043	-.0040	-.0065	.0045	-.0006	.0003	19.19	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0071**	**.0223**	**-.0023**	**-.0011**	**-.0010**
Stddev	.0000	.0001	.0009	.0022	.0008	.0009	.0002
%RSD	31.77	32.72	12.44	9.728	33.05	80.38	20.59
#1	.0002	.0003	-.0065	.0239	-.0018	-.0005	-.0008
#2	.0001	.0002	-.0077	.0208	-.0028	-.0018	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**104780.**	**13461.**	**2009.7**	**6778.5**
Stddev	186.	34.	2.3	6.8
%RSD	.17716	.25365	.11215	.10017
#1	104650.	13436.	2011.3	6783.3
#2	104910.	13485.	2008.1	6773.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 22:07:35 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.983**	**2.009**	**2.010**	**2.025**	**2.004**	**1.975**	**2.054**	**2.038**	**.2451**
Stddev	.002	.008	.007	.001	.000	.003	.001	.002	.0009
%RSD	.0987	.3918	.3559	.0226	.0054	.1332	.0299	.0965	.3472
#1	1.984	2.003	2.005	2.026	2.004	1.976	2.054	2.037	.2457
#2	1.981	2.014	2.015	2.025	2.004	1.973	2.053	2.040	.2445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.064**	**1.977**	**2.152**	**2.043**	**1.984**	**1.979**	**39.94**	**39.86**
Stddev	.001	.003	.012	.017	.001	.014	.008	.00	.16
%RSD	.0345	.1370	.5850	.7984	.0343	.6935	.3980	.0050	.3984
#1	2.019	2.062	1.969	2.140	2.043	1.974	1.973	39.94	39.75
#2	2.020	2.066	1.985	2.164	2.042	1.993	1.985	39.94	39.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.45**	**39.07**	**40.59**	**39.86**	**2.012**	**2.016**	**1.963**	**4.990**	**2.051**
Stddev	.10	.19	.06	.00	.006	.006	.003	.012	.008
%RSD	.2436	.4904	.1481	.0042	.3065	.3064	.1646	.2445	.3717
#1	39.39	38.93	40.55	39.86	2.008	2.012	1.965	4.981	2.046
#2	39.52	39.20	40.63	39.86	2.016	2.021	1.960	4.998	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 6/26/2014 22:07:35 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: 5

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.006**	**1.884**	**1.964**	**1.961**	**1.982**	**1.987**
Stddev	.002	.001	.011	.001	.012	.006	.001
%RSD	.0890	.0239	.5659	.0667	.6157	.3297	.0673
#1	1.996	2.006	1.877	1.963	1.952	1.978	1.988
#2	1.998	2.006	1.892	1.965	1.969	1.987	1.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97259.**	**13171.**	**1896.7**	**6026.7**
Stddev	96.	62.	5.2	3.5
%RSD	.09852	.46738	.27416	.05756
#1	97192.	13215.	1900.4	6029.2
#2	97327.	13128.	1893.1	6024.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 22:13:38 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0001**	**.0000**	**.0002**	**.0001**	**.0001**	**.0006**	**-.0001**
Stddev	.0000	.0000	.0001	.0002	.0002	.0001	.0000	.0009	.0001
%RSD	131.4	36.48	77.60	380.9	82.33	82.88	46.85	138.2	64.60
#1	.0000	.0000	.0001	-.0001	.0003	.0000	.0001	.0000	-.0001
#2	.0001	.0000	.0002	.0002	.0001	.0002	.0001	.0013	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	F **.0249**	**.0005**	**.0005**	**-.0001**	**-.0004**	**.0007**	**-.0034**	**.0030**
Stddev	.0001	.0352	.0006	.0005	.0013	.0013	.0008	.0049	.0003
%RSD	93.07	141.2	108.0	105.3	1981.	350.2	109.2	143.5	9.063
#1	-.0002	.0000	.0001	.0001	-.0010	.0005	.0013	.0000	.0032
#2	.0000	.0498	.0010	.0009	.0009	-.0012	.0002	-.0069	.0028
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0020							
Low Limit		-.0020							

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**-.0103**	**-.0046**	**-.0052**	**.0025**	**.0013**	**.0001**	**.0030**	**.0007**
Stddev	.0001	.0028	.0006	.0047	.0003	.0003	.0001	.0000	.0002
%RSD	6.974	27.08	12.05	89.70	12.98	23.25	87.64	.3686	23.26
#1	.0018	-.0083	-.0042	-.0085	.0027	.0015	.0000	.0031	.0006
#2	.0020	-.0122	-.0050	-.0019	.0022	.0011	.0002	.0030	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 6/26/2014 22:13:38 Type: QC
Method: Accutest1(v206) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0002**	**.0002**	**.0013**	**.0003**	**.0002**
Stddev	.0001	.000	.0010	.0000	.0030	.0005	.0000
%RSD	48.44	29.84	509.4	23.91	236.3	182.6	1.563
#1	.0001	.0000	.0009	.0002	-.0008	.0007	.0002
#2	.0002	.0000	-.0005	.0001	.0034	-.0001	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**104340.**	**13353.**	**2001.3**	**6759.4**
Stddev	66.	85.	14.6	31.9
%RSD	.06352	.63411	.73112	.47158
#1	104300.	13413.	1991.0	6736.8
#2	104390.	13293.	2011.6	6781.9

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000000	0.000000	No
				Al	0.000002	0.000000	No
				Zr	0.001000	0.000000	No
	Be 313.042 {108}	☒	12	V	0.000635	0.000000	No
				Mo	-0.000040	0.000000	No
				Ti	-0.001052	0.000000	No
				Mn	0.000016	0.000000	No
				Ba	-0.000013	0.000000	No
				Zn	0.000010	0.000000	No
				Sb	0.000079	0.000000	No
				Ag	0.000060	0.000000	No
				Sn	0.000010	0.000000	No
				Cu	0.000005	0.000000	No
				W	0.000000	0.000000	No
				K	-0.000020	0.000000	No
	Cd 228.802 {448}	☒	16	As	0.003636	0.000000	No
				Ni	-0.000550	0.000000	No
				Fe	0.000017	0.000000	No
				Ba	0.000150	0.000000	No
				Co	-0.000224	0.000000	No
				Zn	0.000000	0.000000	No
				Al	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000014	0.000000	No
				Mo	0.000002	0.000000	No
				Ti	-0.000049	0.000000	No
				Cu	-0.000010	0.000000	No
				Sr	-0.000050	0.000000	No
				Zr	0.000000	0.000000	No
				W	0.000000	0.000000	No
	Co 228.616 {448}	☒	7	Fe	-0.000001	0.000000	No
				Cr	0.000000	0.000000	No
				Ba	0.000006	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	-0.000002	0.000000	No
				Ti	0.001770	0.000000	No
				Mo	-0.000500	0.000000	No
	Cr 267.716 {126}	☒	9	Mn	0.000330	0.000000	No
				Mo	-0.000053	0.000000	No
				Fe	-0.000009	0.000000	No
				Co	0.000160	0.000000	No
				Al	0.000000	0.000000	No
				Sn	-0.000070	0.000000	No
				Ti	-0.000058	0.000000	No
				Ca	0.000001	0.000000	No
				W	0.001783	0.000000	No
	Cu 324.754 {104}2	☒	12	Cr	-0.000025	0.000000	No
				Mo	0.000302	0.000000	No
				Ti	-0.000143	0.000000	No
				Mn	0.000086	0.000000	No
				Co	-0.000957	0.000000	No
				Zn	0.000037	0.000000	No
				Fe	-0.000128	0.000000	No
				Zr	0.000100	0.000000	No
				V	-0.000050	0.000000	No
				Ca	-0.000005	0.000000	No
				Ni	-0.000020	0.000000	No
				W	0.000000	0.000000	No
	Mn 257.610 {131}	☒	6	Fe	-0.000006	0.000000	No
				Ti	0.000095	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Si	0.000000	0.000000	No
			Mo	-0.000160	0.000000	No
			As	0.000400	0.000000	No
			W	0.000000	0.000000	No
Ni 231.604 {446}	☒	8	Cr	-0.000028	0.000000	No
			Mo	-0.000065	0.000000	No
			Fe	0.000075	0.000000	No
			Zn	0.000017	0.000000	No
			Co	-0.000423	0.000000	No
			Cu	0.000152	0.000000	No
			Ti	0.000120	0.000000	No
			W	-0.000260	0.000000	No
Ag 328.068 {103}	☒	17	Mn	0.000142	0.000000	No
			Mo	-0.000012	0.000000	No
			Ti	-0.000070	0.000000	No
			V	-0.009700	0.000000	No
			Zr	0.007600	0.000000	No
			Sb	-0.000013	0.000000	No
			Mg	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Fe	-0.000045	0.000000	No
			Al	-0.000002	0.000000	No
			Zn	0.000000	0.000000	No
			Ba	0.000090	0.000000	No
			Ni	-0.000021	0.000000	No
			Cr	0.000005	0.000000	No
			As	-0.000089	0.000000	No
			B	0.000001	0.000000	No
			W	0.000000	0.000000	No
V 292.402 {115}	☒	6	Fe	0.000032	0.000000	No
			Ti	0.000320	0.000000	No
			Mo	-0.007850	0.000000	No
			Co	0.000139	0.000000	No
			Cr	-0.004320	0.000000	No
			Mn	-0.000700	0.000000	No
Zn 206.200 {464}	☒	15	Cr	-0.000400	0.000000	No
			Mo	-0.000350	0.000000	No
			Fe	-0.000005	0.000000	No
			Co	0.000122	0.000000	No
			Ni	0.000058	0.000000	No
			Se	0.000141	0.000000	No
			Ba	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ti	-0.000085	0.000000	No
			Sn	0.000068	0.000000	No
			V	0.000230	0.000000	No
			Sr	0.000000	0.000000	No
			Al	0.000004	0.000000	No
			Bi	-0.001125	0.000000	No
			Si	-0.000400	0.000000	No
As 189.042 {478}	☒	21	Al	0.000015	0.000000	No
			Fe	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.007010	0.000000	No
			Cr	0.003900	0.000000	No
			Co	0.000010	0.000000	No
			Si	-0.000009	0.000000	No
			Cu	-0.000074	0.000000	No
			Pd	0.033140	0.000000	No
			K	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mg	0.000004	0.000000	No
				Cd	-0.000016	0.000000	No
				Sn	0.000067	0.000000	No
				Zn	-0.000115	0.000000	No
				Zr	0.000000	0.000000	No
				Sb	0.000022	0.000000	No
				Ti	-0.000203	0.000000	No
				B	0.000001	0.000000	No
				S	-0.000001	0.000000	No
				W	0.000000	0.000000	No
	Tl 190.856 {477}	☒	27	Cr	0.000283	0.000000	No
				Mo	-0.001900	0.000000	No
				Al	-0.000006	0.000000	No
				V	-0.006800	0.000000	No
				Mn	0.001200	0.000000	No
				Si	0.000027	0.000000	No
				Ca	0.000013	0.000000	No
				Ti	-0.000500	0.000000	No
				Cu	-0.000095	0.000000	No
				Co	0.012300	0.000000	No
				Sr	-0.001000	0.000000	No
				Zn	-0.001900	0.000000	No
				Pb	-0.000090	0.000000	No
				Mg	-0.000005	0.000000	No
				Ba	0.000050	0.000000	No
				Sb	0.000004	0.000000	No
				W	0.000000	0.000000	No
				B	-0.001200	0.000000	No
				Pd	-0.000032	0.000000	No
				Ni	0.000030	0.000000	No
				Sn	0.000100	0.000000	No
				Fe	-0.000098	0.000000	No
				Li	0.000009	0.000000	No
				S	-0.000013	0.000000	No
				Na	-0.000001	0.000000	No
				K	0.000350	0.000000	No
				As	0.000200	0.000000	No
	Pb 220.353 {453}	☒	22	Al	-0.000094	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000140	0.000000	No
				Zn	0.000027	0.000000	No
				Mo	-0.002550	0.000000	No
				Ni	0.000129	0.000000	No
				Cu	0.000370	0.000000	No
				V	-0.000006	0.000000	No
				Co	0.000016	0.000000	No
				Ti	0.000000	0.000000	No
				Si	-0.000140	0.000000	No
				Mg	0.000004	0.000000	No
				K	0.000000	0.000000	No
				Pd	0.000500	0.000000	No
				Sb	0.000109	0.000000	No
				Cr	-0.000066	0.000000	No
				Sn	0.000070	0.000000	No
				Fe	0.000043	0.000000	No
				W	0.007000	0.000000	No
				Zr	0.000000	0.000000	No
				S	0.000010	0.000000	No
				Sr	-0.000497	0.000000	No
	Se 196.090 {472}	☒	18	Al	-0.000002	0.000000	No
				Ca	-0.000011	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mn	0.000345	0.000000	No
			Mo	0.000988	0.000000	No
			Co	-0.000140	0.000000	No
			Cu	-0.000107	0.000000	No
			Mg	-0.000001	0.000000	No
			Ti	0.000100	0.000000	No
			Sb	-0.000010	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	-0.000178	0.000000	No
			Si	-0.000317	0.000000	No
			B	-0.000043	0.000000	No
			Ba	0.000050	0.000000	No
			S	0.000010	0.000000	No
			W	0.050000	0.000000	No
			Zr	-0.000833	0.000000	No
			V	0.000600	0.000000	No
Sb 206.833 {463}	☒	19	Fe	0.000010	0.000000	No
			Al	0.000021	0.000000	No
			Ca	-0.000003	0.000000	No
			Ni	-0.000078	0.000000	No
			Cr	0.019300	0.000000	No
			V	-0.000140	0.000000	No
			Zn	-0.000104	0.000000	No
			Mo	-0.001580	0.000000	No
			Ti	0.002160	0.000000	No
			Sn	-0.015034	0.000000	No
			Mn	-0.000060	0.000000	No
			Co	-0.000121	0.000000	No
			Se	-0.000252	0.000000	No
			Zr	-0.000300	0.000000	No
			W	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			Si	0.000000	0.000000	No
			Mg	0.000006	0.000000	No
			S	-0.000016	0.000000	No
Al 396.152 { 85}	☒	8	Ca	0.000100	0.000000	No
			Mo	0.036700	0.000000	No
			Ti	-0.006610	0.000000	No
			Si	0.001149	0.000000	No
			Co	-0.000115	0.000000	No
			Li	-0.001000	0.000000	No
			W	0.000000	0.000000	No
			Ba	0.004500	0.000000	No
Ca 317.933 {106}	☒	5	Al	0.000043	0.000000	No
			Fe	0.000078	0.000000	No
			Mg	0.000071	0.000000	No
			Ti	-0.000042	0.000000	No
			Co	0.001850	0.000000	No
Fe 259.940 {130}	☒	11	Cr	0.000237	0.000000	No
			Zn	0.000466	0.000000	No
			Al	0.000017	0.000000	No
			Co	0.002732	0.000000	No
			Cd	0.000700	0.000000	No
			Sn	-0.000019	0.000000	No
			Ti	-0.000710	0.000000	No
			Si	0.000053	0.000000	No
			Ca	0.000012	0.000000	No
			Ba	0.000400	0.000000	No
			V	0.000000	0.000000	No
Mg 279.079 {121}	☒	4	Al	0.000000	0.000000	No
			Mo	-0.018810	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Pb	0.000002	0.000000	No
			Fe	0.000000	0.000000	No
K 766.490 { 44}	☒	1	Mg	0.000000	0.000000	No
Na 589.592 { 57}	☒	1	Al	0.000039	0.000000	No
B 208.959 {462}	☒	4	Mo	0.040650	0.000000	No
			Al	0.000008	0.000000	No
			Ti	-0.000001	0.000000	No
			Pd	0.000630	0.000000	No
Mo 202.030 {467}	☒	8	Ti	0.000300	0.000000	No
			Pd	0.000018	0.000000	No
			Al	-0.000011	0.000000	No
			Mg	-0.000005	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000006	0.000000	No
			V	-0.000100	0.000000	No
			W	-0.004932	0.000000	No
Pd 340.458 { 99}	☒	8	Ti	-0.000950	0.000000	No
			Co	-0.001657	0.000000	No
			Sn	-0.000700	0.000000	No
			Sb	0.000160	0.000000	No
			Si	0.000010	0.000000	No
			Fe	-0.000025	0.000000	No
			Mo	-0.000260	0.000000	No
			Zr	0.003000	0.000000	No
Si 212.412 {459}	☒	11	Mn	0.003820	0.000000	No
			Fe	-0.000005	0.000000	No
			Ca	0.000003	0.000000	No
			Ni	0.000391	0.000000	No
			Cd	0.001794	0.000000	No
			Cr	-0.000450	0.000000	No
			Mo	0.025500	0.000000	No
			Ti	0.059700	0.000000	No
			Ba	0.000825	0.000000	No
			Sn	0.003490	0.000000	No
			W	0.000000	0.000000	No
Sn 189.989 {478}	☒	4	Ti	-0.001660	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.000006	0.000000	No
			Mo	0.000058	0.000000	No
Sr 407.771 { 83}	☒	3	Ca	0.000032	0.000000	No
			Pd	0.000168	0.000000	No
			Ti	0.000000	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.001620	0.000000	No
			Zr	0.000002	0.000000	No
			W	-0.005996	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	4	Al	-0.000024	0.000000	No
			V	0.001000	0.000000	No
			Zn	0.010800	0.000000	No
			Fe	-0.000050	0.000000	No
Zr 339.198 { 99}	☒	16	Fe	-0.000058	0.000000	No
			Si	0.000088	0.000000	No
			Ba	-0.000049	0.000000	No
			Sn	0.000047	0.000000	No
			Sb	-0.000067	0.000000	No
			V	0.000030	0.000000	No
			W	0.000500	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				S	-0.000097	0.000000	No
				Ti	0.000032	0.000000	No
				Mg	0.000000	0.000000	No
				Al	-0.000027	0.000000	No
				Ca	-0.000000	0.000000	No
				Li	0.000038	0.000000	No
				Bi	0.000163	0.000000	No
				Ag	0.004400	0.000000	No
				Mn	0.000059	0.000000	No
	S 182.034 {485}	☒	6	Ca	0.000065	0.000000	No
				Mo	0.001000	0.000000	No
				Al	-0.000022	0.000000	No
				Fe	0.000021	0.000000	No
				Mn	0.003600	0.000000	No
				W	-0.038955	0.000000	No
	Bi 223.061 {451}	☒	2	Fe	0.000038	0.000000	No
				Ti	-0.003722	0.000000	No
	Li 670.784 { 50}	☒	None				

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.002432	3.187314	0.000000	1.000000
Be 313.042 {108}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000420	3.100197	0.000000	1.000000
Cd 228.802 {448}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000398	1.154095	0.000000	1.000000
Co 228.616 {448}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000319	0.373823	0.000000	1.000000
Cr 267.716 {126}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000008	0.075188	0.000000	1.000000
Cu 324.754 {104}2	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.003514	0.295736	0.000000	1.000000
Mn 257.610 {131}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000033	0.207294	0.000000	1.000000
Ni 231.604 {446}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000132	0.287227	0.000000	1.000000
Ag 328.068 {103}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000027	0.147296	0.000000	1.000000
V 292.402 {115}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000036	0.151593	0.000000	1.000000
Zn 206.200 {464}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000155	0.919818	0.000000	1.000000
As 189.042 {478}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000568	0.204293	0.000000	1.000000
Tl 190.856 {477}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000208	0.039584	0.000000	1.000000
Pb 220.353 {453}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000176	0.130183	0.000000	1.000000
Se 196.090 {472}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000596	0.119372	0.000000	1.000000
Sb 206.833 {463}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000297	0.282463	0.000000	1.000000
Al 396.152 { 85}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000903	0.052994	0.000000	1.000000
Ca 317.933 {106}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.003248	0.065317	0.000000	1.000000
Fe 259.940 {130}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000058	0.039651	0.000000	1.000000
Mg 279.079 {121}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000075	0.005332	0.000000	1.000000
K 766.490 { 44}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.001922	0.031799	0.000000	1.000000
Na 589.592 { 57}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.003947	0.116551	0.000000	1.000000
B 208.959 {462}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000661	0.275762	0.000000	1.000000
Mo 202.030 {467}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.001721	1.129794	0.000000	1.000000
Pd 340.458 { 99}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000121	0.068598	0.000000	1.000000
Si 212.412 {459}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.008109	0.320845	0.000000	1.000000
Sn 189.989 {478}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000343	0.174932	0.000000	1.000000
Sr 407.771 { 83}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000266	4.357194	0.000000	1.000000
Ti 334.904 {101}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000145	0.164185	0.000000	1.000000
Y 360.073 { 94}*	6/27/2014 9:30:16	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	6/27/2014 9:30:16	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	6/27/2014 9:30:16	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	6/27/2014 9:30:16	5/1/2013 13:59:18	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.009813	0.544649	0.000000	1.000000
Zr 339.198 { 99}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000041	0.410116	0.000000	1.000000
S 182.034 {485}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	0.000351	0.086575	0.000000	1.000000
Bi 223.061 {451}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.001044	0.414043	0.000000	1.000000
Li 670.784 { 50}	6/27/2014 9:30:16	6/26/2014 13:10:01	Linear	1/Conc	-0.000431	0.948400	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000161	0.000538	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000057	0.000190	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000182	0.000606	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000259	0.000864	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000378	0.001259	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000253	0.000844	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000051	0.000170	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000296	0.000988	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000322	0.001073	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000269	0.000895	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000197	0.000658	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.000834	0.002780	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001666	0.005552	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001008	0.003361	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.001749	0.005831	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.000942	0.003139	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007132	0.023774	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003065	0.010218	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002443	0.008144	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.022950	0.076499	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.024334	0.081112	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.006222	0.020741	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000604	0.002014	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000199	0.000663	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.000866	0.002886	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.000771	0.002570	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.000802	0.002673	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000073	0.000243	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000348	0.001159	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	0.000796	0.002654	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	0.002186	0.007287	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	0.004215	0.014050	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.000855	0.002849	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000138	0.000461	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.001995	0.006650	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.000857	0.002856	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000798	0.002661	OK.	1.000000	0.000000	1	0

MA34338

Method: ACCUTEST Operator: Admin Date of Analysis: 27 Jun 2014 12:02:17

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	27 Jun 2014 12:02:39	Std	ug/l	-	22	1.000	1.000
STDB - 1	27 Jun 2014 12:03:57	Std	ug/l	-	889	1.000	1.000
STDC - 1	27 Jun 2014 12:05:15	Std	ug/l	-	2160	1.000	1.000
STDD - 1	27 Jun 2014 12:06:35	Std	ug/l	-	4054	1.000	1.000
STDE - 1	27 Jun 2014 12:07:57	Std	ug/l	-	10952	1.000	1.000
STDF - 1	27 Jun 2014 12:09:23	Std	ug/l	-	21069	1.000	1.000
ICV - 1	27 Jun 2014 12:15:27	SMPL	ug/l	2.9755	12631	1.000	1.000
ICB - 1	27 Jun 2014 12:16:43	SMPL	ug/l	-0.0630	-235	1.000	1.000
CCV - 1	27 Jun 2014 12:18:17	CK STND	ug/l	101.9% 2.5485	10823	1.000	1.000
CCB - 1	27 Jun 2014 12:19:33	CK STND	ug/l	-0.0578	-213	1.000	1.000
CRI - 1	27 Jun 2014 12:21:07	SMPL	ug/l	0.1968	865	1.000	1.000
MP80329-MB1 - 1	27 Jun 2014 12:40:05	SMPL	ug/l	0.1019	463	1.000	1.000
MP80329-LC1 - 1	27 Jun 2014 12:41:22	SMPL	ug/l	2.1208	9012	1.000	1.000
MP80329-S1 - 1	27 Jun 2014 12:42:41	SMPL	ug/l	2.0790	8835	1.000	1.000
MP80329-S2 - 1	27 Jun 2014 12:44:10	SMPL	ug/l	2.0868	8868	1.000	1.000
JB69748-1 - 1	27 Jun 2014 12:45:38	SMPL	ug/l	8.2551	34987	1.000	1.000
JB69653-1 - 1	27 Jun 2014 12:47:08	SMPL	ug/l	0.2528	1102	1.000	1.000
JB69653-2 - 1	27 Jun 2014 12:48:44	SMPL	ug/l	0.0072	62	1.000	1.000
JB69653-3 - 1	27 Jun 2014 12:50:06	SMPL	ug/l	0.1000	455	1.000	1.000
JB69653-4 - 1	27 Jun 2014 12:51:26	SMPL	ug/l	0.0563	270	1.000	1.000
CCV - 1	27 Jun 2014 12:52:46	CK STND	ug/l	101.6% 2.5388	10782	1.000	1.000
CCB - 1	27 Jun 2014 12:54:03	CK STND	ug/l	-0.0627	-234	1.000	1.000
JB69653-5 - 1	27 Jun 2014 12:55:36	SMPL	ug/l	0.0528	255	1.000	1.000
JB69653-6 - 1	27 Jun 2014 12:56:54	SMPL	ug/l	0.2625	1143	1.000	1.000
JB69653-7 - 1	27 Jun 2014 12:58:12	SMPL	ug/l	0.0537	259	1.000	1.000
JB69949-9 - 1	27 Jun 2014 12:59:31	SMPL	ug/l	0.0957	437	1.000	1.000
JB64500-56 - 1	27 Jun 2014 13:00:49	SMPL	ug/l	0.0939	429	1.000	1.000
JB64500-57 - 1	27 Jun 2014 13:02:07	SMPL	ug/l	0.1052	477	1.000	1.000
JB69567-6 - 1	27 Jun 2014 13:03:26	SMPL	ug/l	0.1170	527	1.000	1.000
JB69567-6F - 1	27 Jun 2014 13:04:44	SMPL	ug/l	0.1442	642	1.000	1.000
JB69716-13 - 1	27 Jun 2014 13:06:03	SMPL	ug/l	0.1236	555	1.000	1.000
JB69740-1 - 1	27 Jun 2014 13:07:23	SMPL	ug/l	0.1860	819	1.000	1.000
CCV - 1	27 Jun 2014 13:08:42	CK STND	ug/l	102.1% 2.5525	10840	1.000	1.000
CCB - 1	27 Jun 2014 13:09:59	CK STND	ug/l	-0.0502	-181	1.000	1.000
JB69740-2 - 1	27 Jun 2014 13:11:34	SMPL	ug/l	0.1652	731	1.000	1.000
JB69740-3 - 1	27 Jun 2014 13:12:51	SMPL	ug/l	0.1862	820	1.000	1.000
JB69740-4 - 1	27 Jun 2014 13:14:11	SMPL	ug/l	0.0941	430	1.000	1.000
JB69764-4A - 1	27 Jun 2014 13:15:30	SMPL	ug/l	0.1057	479	1.000	1.000
MP80330-MB1 - 1	27 Jun 2014 13:16:49	SMPL	ug/l	0.0225	127	1.000	1.000
MP80330-LC1 - 1	27 Jun 2014 13:18:07	SMPL	ug/l	2.0566	8740	1.000	1.000
MP80330-S1 - 1	27 Jun 2014 13:19:24	SMPL	ug/l	1.9527	8300	1.000	1.000
MP80330-S2 - 1	27 Jun 2014 13:20:57	SMPL	ug/l	2.0823	8849	1.000	1.000
MP80330-S3 - 1	27 Jun 2014 13:22:25	SMPL	ug/l	1.9631	8344	1.000	1.000
MP80330-S4 - 1	27 Jun 2014 13:23:54	SMPL	ug/l	2.0110	8547	1.000	1.000
CCV - 1	27 Jun 2014 13:25:24	CK STND	ug/l	102.5% 2.5622	10881	1.000	1.000
CCB - 1	27 Jun 2014 13:26:52	CK STND	ug/l	-0.0651	-244	1.000	1.000
JB69800-4 - 1	27 Jun 2014 13:28:27	SMPL	ug/l	0.0705	330	1.000	1.000
JB69800-4F - 1	27 Jun 2014 13:29:44	SMPL	ug/l	0.0872	401	1.000	1.000
JB69800-1 - 1	27 Jun 2014 13:31:04	SMPL	ug/l	0.0965	440	1.000	1.000
JB69800-2 - 1	27 Jun 2014 13:32:23	SMPL	ug/l	0.1028	467	1.000	1.000
JB69800-3 - 1	27 Jun 2014 13:33:44	SMPL	ug/l	0.0693	325	1.000	1.000
JB69800-5 - 1	27 Jun 2014 13:35:02	SMPL	ug/l	0.0639	302	1.000	1.000
JB69800-6 - 1	27 Jun 2014 13:36:21	SMPL	ug/l	0.0648	306	1.000	1.000
JB69800-7 - 1	27 Jun 2014 13:37:39	SMPL	ug/l	0.0915	419	1.000	1.000
JB69800-8 - 1	27 Jun 2014 13:38:58	SMPL	ug/l	0.0884	406	1.000	1.000
JB69800-1F - 1	27 Jun 2014 13:40:17	SMPL	ug/l	0.1694	749	1.000	1.000
CCV - 1	27 Jun 2014 13:41:36	CK STND	ug/l	100.8% 2.5209	10706	1.000	1.000
CCB - 1	27 Jun 2014 13:42:54	CK STND	ug/l	-0.0417	-145	1.000	1.000
JB69800-2F - 1	27 Jun 2014 13:44:28	SMPL	ug/l	0.1548	687	1.000	1.000
JB69800-3F - 1	27 Jun 2014 13:45:45	SMPL	ug/l	0.1347	602	1.000	1.000
JB69800-5F - 1	27 Jun 2014 13:47:05	SMPL	ug/l	0.1515	673	1.000	1.000
JB69800-6F - 1	27 Jun 2014 13:48:24	SMPL	ug/l	0.0910	417	1.000	1.000
JB69800-7F - 1	27 Jun 2014 13:49:43	SMPL	ug/l	0.1470	654	1.000	1.000
JB69800-8F - 1	27 Jun 2014 13:51:03	SMPL	ug/l	0.1543	685	1.000	1.000
MP80331-MB1 - 1	27 Jun 2014 13:52:22	SMPL	ug/l	0.0166	102	1.000	1.000
MP80331-LC1 - 1	27 Jun 2014 13:53:41	SMPL	ug/l	2.1374	9082	1.000	1.000
MP80331-S1 - 1	27 Jun 2014 13:54:59	SMPL	ug/l	2.2302	9475	1.000	1.000
MP80331-S2 - 1	27 Jun 2014 13:56:31	SMPL	ug/l	2.2883	9721	1.000	1.000
CCV - 1	27 Jun 2014 13:57:59	CK STND	ug/l	98.0% 2.4507	10409	1.000	1.000

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Method: ACCUTEST Operator: Admin Date of Analysis: 27 Jun 2014 12:02:17

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	27 Jun 2014 13:59:27	CK STND	ug/l	-0.0507	-183	1.000	1.000
JB69806-1 - 1	27 Jun 2014 14:01:02	SMPL	ug/l	0.1248	560	1.000	1.000
JB69806-2 - 1	27 Jun 2014 14:02:20	SMPL	ug/l	0.1635	724	1.000	1.000
JB69806-3 - 1	27 Jun 2014 14:03:40	SMPL	ug/l	0.1456	648	1.000	1.000
JB69806-4 - 1	27 Jun 2014 14:04:59	SMPL	ug/l	0.1477	657	1.000	1.000
JB69806-5 - 1	27 Jun 2014 14:06:18	SMPL	ug/l	0.1222	549	1.000	1.000
JB69806-6 - 1	27 Jun 2014 14:07:37	SMPL	ug/l	0.1281	574	1.000	1.000
JB69806-7 - 1	27 Jun 2014 14:08:57	SMPL	ug/l	0.1274	571	1.000	1.000
JB69956-1 - 1	27 Jun 2014 14:10:17	SMPL	ug/l	0.1238	556	1.000	1.000
JB69956-2 - 1	27 Jun 2014 14:11:37	SMPL	ug/l	0.0998	454	1.000	1.000
JB69956-3 - 1	27 Jun 2014 14:12:56	SMPL	ug/l	0.1274	571	1.000	1.000
CCV - 1	27 Jun 2014 14:14:15	CK STND	ug/l	105.5% 2.6378	11201	1.000	1.000
CCB - 1	27 Jun 2014 14:15:33	CK STND	ug/l	-0.0389	-133	1.000	1.000
JB69956-4 - 1	27 Jun 2014 14:17:08	SMPL	ug/l	0.1047	475	1.000	1.000
JB69956-5 - 1	27 Jun 2014 14:18:25	SMPL	ug/l	0.0865	398	1.000	1.000
JB69956-6 - 1	27 Jun 2014 14:19:44	SMPL	ug/l	0.0820	379	1.000	1.000
JB69956-7 - 1	27 Jun 2014 14:21:03	SMPL	ug/l	0.0743	346	1.000	1.000
JB69962-6 - 1	27 Jun 2014 14:22:22	SMPL	ug/l	0.0606	288	1.000	1.000
JB69926-11 - 1	27 Jun 2014 14:23:41	SMPL	ug/l	0.0695	326	1.000	1.000
MP80346-MB1 - 1	27 Jun 2014 14:24:59	SMPL	ug/l	0.0712	333	1.000	1.000
MP80346-LC1 - 1	27 Jun 2014 14:26:18	SMPL	ug/l	2.1780	9254	1.000	1.000
MP80346-S1 - 1	27 Jun 2014 14:27:37	SMPL	ug/l	2.0060	8526	1.000	1.000
MP80346-S2 - 1	27 Jun 2014 14:29:06	SMPL	ug/l	2.0127	8554	1.000	1.000
CCV - 1	27 Jun 2014 14:30:35	CK STND	ug/l	102.2% 2.5549	10850	1.000	1.000
CCB - 1	27 Jun 2014 14:32:03	CK STND	ug/l	-0.0410	-142	1.000	1.000
JB69886-1 - 1	27 Jun 2014 14:33:39	SMPL	ug/l	0.0610	290	1.000	1.000
JB69886-2 - 1	27 Jun 2014 14:34:57	SMPL	ug/l	0.0509	247	1.000	1.000
JB69886-3 - 1	27 Jun 2014 14:36:16	SMPL	ug/l	0.0516	250	1.000	1.000
JB69886-4 - 1	27 Jun 2014 14:37:35	SMPL	ug/l	0.0620	294	1.000	1.000
JB69886-5 - 1	27 Jun 2014 14:38:54	SMPL	ug/l	0.1602	710	1.000	1.000
JB69886-6 - 1	27 Jun 2014 14:40:13	SMPL	ug/l	0.0924	423	1.000	1.000
JB69886-7 - 1	27 Jun 2014 14:41:33	SMPL	ug/l	0.0646	305	1.000	1.000
JB69886-8 - 1	27 Jun 2014 14:42:53	SMPL	ug/l	0.1279	573	1.000	1.000
JB69886-1F - 1	27 Jun 2014 14:44:12	SMPL	ug/l	0.0658	310	1.000	1.000
JB69886-2F - 1	27 Jun 2014 14:45:31	SMPL	ug/l	0.0761	354	1.000	1.000
CCV - 1	27 Jun 2014 14:46:50	CK STND	ug/l	104.7% 2.6184	11119	1.000	1.000
CCB - 1	27 Jun 2014 14:48:08	CK STND	ug/l	-0.0367	-124	1.000	1.000
JB69886-3F - 1	27 Jun 2014 14:49:43	SMPL	ug/l	0.0759	353	1.000	1.000
JB69886-4F - 1	27 Jun 2014 14:51:01	SMPL	ug/l	0.1040	472	1.000	1.000
JB69886-5F - 1	27 Jun 2014 14:52:20	SMPL	ug/l	0.0492	240	1.000	1.000
JB69886-6F - 1	27 Jun 2014 14:53:40	SMPL	ug/l	0.0421	210	1.000	1.000
JB69886-7F - 1	27 Jun 2014 14:54:59	SMPL	ug/l	0.0556	267	1.000	1.000
JB69886-8F - 1	27 Jun 2014 14:56:18	SMPL	ug/l	0.0636	301	1.000	1.000
MP80347-MB1 - 1	27 Jun 2014 14:57:37	SMPL	ug/l	0.0816	377	1.000	1.000
MP80347-LC1 - 1	27 Jun 2014 14:58:56	SMPL	ug/l	2.3527	9994	1.000	1.000
MP80347-S1 - 1	27 Jun 2014 15:00:15	SMPL	ug/l	2.0611	8759	1.000	1.000
MP80347-S2 - 1	27 Jun 2014 15:01:46	SMPL	ug/l	1.9869	8445	1.000	1.000
CCV - 1	27 Jun 2014 15:03:15	CK STND	ug/l	103.0% 2.5740	10931	1.000	1.000
CCB - 1	27 Jun 2014 15:04:44	CK STND	ug/l	-0.0504	-182	1.000	1.000
JB69781-1 - 1	27 Jun 2014 15:06:18	SMPL	ug/l	0.0485	237	1.000	1.000
JB69781-2 - 1	27 Jun 2014 15:07:36	SMPL	ug/l	0.0513	249	1.000	1.000
JB69781-3 - 1	27 Jun 2014 15:08:55	SMPL	ug/l	0.0875	402	1.000	1.000
JB69748-1 - 1	27 Jun 2014 15:24:53	SMPL	ug/l	9.1339	19370	1.000	2.000
CRI - 1	27 Jun 2014 15:28:22	SMPL	ug/l	0.1916	843	1.000	1.000
JB69781-4 - 1	27 Jun 2014 15:36:21	SMPL	ug/l	0.0950	434	1.000	1.000
JB69964-1F - 1	27 Jun 2014 15:37:39	SMPL	ug/l	0.0537	259	1.000	1.000
JB69964-2F - 1	27 Jun 2014 15:38:59	SMPL	ug/l	0.0542	261	1.000	1.000
JB69964-3F - 1	27 Jun 2014 15:40:18	SMPL	ug/l	0.1494	664	1.000	1.000
CCV - 1	27 Jun 2014 15:41:37	CK STND	ug/l	101.9% 2.5466	10815	1.000	1.000
CCB - 1	27 Jun 2014 15:42:55	CK STND	ug/l	-0.0306	-98	1.000	1.000
JB69964-4F - 1	27 Jun 2014 15:44:29	SMPL	ug/l	0.0603	287	1.000	1.000
JB69964-5F - 1	27 Jun 2014 15:45:48	SMPL	ug/l	-0.0075	0	1.000	1.000
JB69964-6F - 1	27 Jun 2014 15:50:24	SMPL	ug/l	0.0620	294	1.000	1.000
JB65964-7F - 1	27 Jun 2014 15:51:44	SMPL	ug/l	0.0454	224	1.000	1.000
JB69994-8F - 1	27 Jun 2014 15:53:03	SMPL	ug/l	0.0480	235	1.000	1.000
JB70010-1 - 1	27 Jun 2014 15:54:22	SMPL	ug/l	0.0558	268	1.000	1.000
JB70021-1 - 1	27 Jun 2014 15:55:41	SMPL	ug/l	0.0506	246	1.000	1.000
JB70021-2 - 1	27 Jun 2014 15:57:00	SMPL	ug/l	0.0790	366	1.000	1.000
CCV - 1	27 Jun 2014 15:58:20	CK STND	ug/l	101.1% 2.5275	10734	1.000	1.000

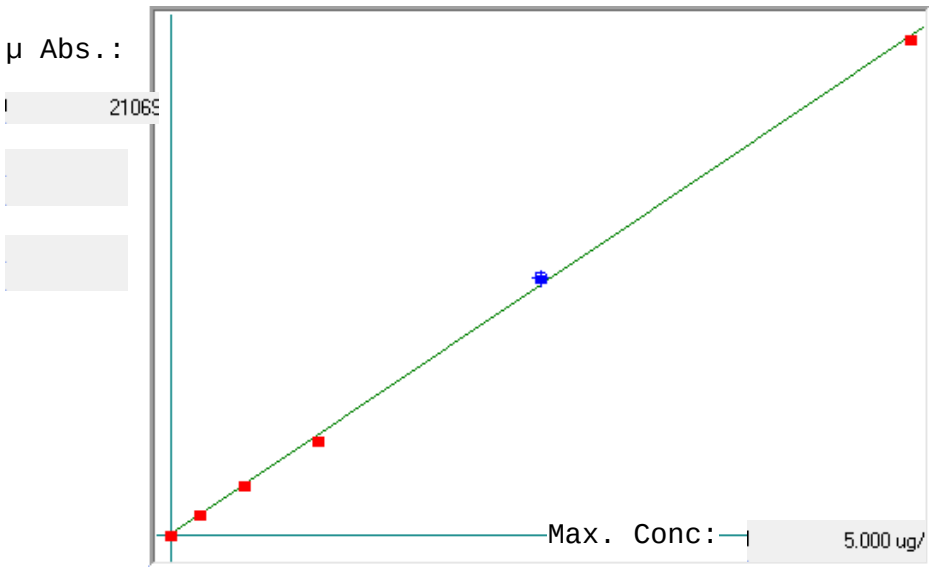
MA34338

Method: ACCUTEST Operator: Admin Date of Analysis: 27 Jun 2014 12:02:17

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
CCB - 1	27 Jun 2014 15:59:37	CK STND	ug/l	-0.0315	-102	1.000	1.000
JB70021-3 - 1	27 Jun 2014 16:01:12	SMPL	ug/l	0.0589	281	1.000	1.000
JB70021-4 - 1	27 Jun 2014 16:02:31	SMPL	ug/l	0.0629	298	1.000	1.000
JB70021-5 - 1	27 Jun 2014 16:03:51	SMPL	ug/l	0.0610	290	1.000	1.000
JB70021-6 - 1	27 Jun 2014 16:05:10	SMPL	ug/l	0.0745	347	1.000	1.000
JB70021-7 - 1	27 Jun 2014 16:06:29	SMPL	ug/l	0.0771	358	1.000	1.000
MP80367-FMB1CONF - 1	27 Jun 2014 16:16:40	SMPL	ug/l	0.0334	173	1.000	1.000
MP80367-FLC1CONF - 1	27 Jun 2014 16:17:57	SMPL	ug/l	1.9831	8429	1.000	1.000
CCV - 1	27 Jun 2014 16:19:16	CK STND	ug/l	94.9% 2.3719	10075	1.000	1.000
CCB - 1	27 Jun 2014 16:20:47	CK STND	ug/l	-0.0330	-108	1.000	1.000
CRI - 1	27 Jun 2014 16:32:09	SMPL	ug/l	0.1900	836	1.000	1.000
CCV - 1	27 Jun 2014 16:38:05	CK STND	ug/l	98.0% 2.4505	10408	1.000	1.000
CCB - 1	27 Jun 2014 16:39:21	CK STND	ug/l	-0.0228	-65	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 2.3616e-004

C= -7.4555e-003

Rho= 0.9997349

Accept=Accepted

Accepted Date=

06/27/14 12:13

11.4.1 11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	-0.002	-0.002	22	0.000	22				
STDB	0.200	0.202	0.002	889	0.0 %	889				
STDC	0.500	0.503	0.003	2160	0.0 %	2160				
STDD	1.000	0.950	-0.050	4054	0.0 %	4054				
STDE	2.500	2.579	0.079	10952	0.0 %	10952				
STDF	5.000	4.968	-0.032	21069	0.0 %	21069				

ma34346

Method: ACCUTEST Operator: Admin Date of Analysis: 30 Jun 2014 12:19:22

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
STDA - 1	30 Jun 2014 12:20:17	Std	ug/l	-	66	1.000	1.000
STDB - 1	30 Jun 2014 12:21:35	Std	ug/l	-	1362	1.000	1.000
STDC - 1	30 Jun 2014 12:22:58	Std	ug/l	-	3328	1.000	1.000
STDD - 1	30 Jun 2014 12:24:22	Std	ug/l	-	6390	1.000	1.000
STDE - 1	30 Jun 2014 12:25:49	Std	ug/l	-	15796	1.000	1.000
STDF - 1	30 Jun 2014 12:27:19	Std	ug/l	-	31406	1.000	1.000
ICV - 1	30 Jun 2014 12:31:07	SMPL	ug/l	2.9674	18701	1.000	1.000
ICB - 1	30 Jun 2014 12:32:24	SMPL	ug/l	-0.0618	-260	1.000	1.000
CCV - 1	30 Jun 2014 12:33:58	CK STND	ug/l	103.8% 2.5944	16366	1.000	1.000
CCB - 1	30 Jun 2014 12:35:17	CK STND	ug/l	-0.0580	-236	1.000	1.000
CRI - 1	30 Jun 2014 12:36:52	SMPL	ug/l	0.1917	1327	1.000	1.000
MP80381-MB1 - 1	30 Jun 2014 13:07:07	SMPL	ug/l	0.0054	161	1.000	1.000
MP80381-LC1 - 1	30 Jun 2014 13:08:23	SMPL	ug/l	5.4242	17103	1.000	2.000
MP80381-S1 - 1	30 Jun 2014 13:09:42	SMPL	ug/l	2.2341	14111	1.000	1.000
MP80381-S2 - 1	30 Jun 2014 13:11:37	SMPL	ug/l	2.1215	13406	1.000	1.000
MP80381-D1 - 1	30 Jun 2014 13:12:56	SMPL	ug/l	0.0658	539	1.000	1.000
JB69746-9 - 1	30 Jun 2014 13:14:28	SMPL	ug/l	0.0855	662	1.000	1.000
JB69746-7 - 1	30 Jun 2014 13:15:48	SMPL	ug/l	0.0500	440	1.000	1.000
JB69746-8 - 1	30 Jun 2014 13:17:08	SMPL	ug/l	0.0907	695	1.000	1.000
CCV - 1	30 Jun 2014 13:18:28	CK STND	ug/l	105.8% 2.6442	16678	1.000	1.000
CCB - 1	30 Jun 2014 13:19:46	CK STND	ug/l	-0.0513	-194	1.000	1.000
JB69746-10 - 1	30 Jun 2014 13:21:20	SMPL	ug/l	0.0677	551	1.000	1.000
JB70022-1 - 1	30 Jun 2014 13:22:40	SMPL	ug/l	0.4929	3212	1.000	1.000
JB70488-1A - 1	30 Jun 2014 13:23:59	SMPL	ug/l	0.4358	2855	1.000	1.000
JB70488-2A - 1	30 Jun 2014 13:25:23	SMPL	ug/l	0.1836	1276	1.000	1.000
JB70488-3A - 1	30 Jun 2014 13:26:46	SMPL	ug/l	1.0654	6796	1.000	1.000
JB70354-3A - 1	30 Jun 2014 13:28:06	SMPL	ug/l	0.1491	1060	1.000	1.000
JB70354-7A - 1	30 Jun 2014 13:29:34	SMPL	ug/l	0.0054	161	1.000	1.000
JB70484-1A - 1	30 Jun 2014 13:30:53	SMPL	ug/l	0.3208	2135	1.000	1.000
JB70484-2A - 1	30 Jun 2014 13:32:12	SMPL	ug/l	17.2283	107965	1.000	1.000
JB70484-3A - 1	30 Jun 2014 13:33:35	SMPL	ug/l	0.2160	1479	1.000	1.000
CCV - 1	30 Jun 2014 13:35:23	CK STND	ug/l	103.5% 2.5876	16324	1.000	1.000
CCB - 1	30 Jun 2014 13:36:47	CK STND	ug/l	-0.0871	-418	1.000	1.000
JB70484-4A - 1	30 Jun 2014 13:38:21	SMPL	ug/l	0.2245	1532	1.000	1.000
JB70484-5A - 1	30 Jun 2014 13:39:41	SMPL	ug/l	0.1630	1147	1.000	1.000
JB70486-1A - 1	30 Jun 2014 13:41:03	SMPL	ug/l	1.5097	9577	1.000	1.000
JB70490-1 - 1	30 Jun 2014 13:42:26	SMPL	ug/l	1.4220	572	1.000	20.000
JB70490-12 - 1	30 Jun 2014 13:43:56	SMPL	ug/l	63.0544	19861	1.000	20.000
JB70490-19 - 1	30 Jun 2014 13:45:15	SMPL	ug/l	6.9305	2296	1.000	20.000
JB70490-29 - 1	30 Jun 2014 13:46:53	SMPL	ug/l	-1.3355	-291	1.000	20.000
MP80382-MB1 - 1	30 Jun 2014 13:48:17	SMPL	ug/l	-0.0169	21	1.000	1.000
MP80382-LC1 - 1	30 Jun 2014 13:49:33	SMPL	ug/l	5.5594	17526	1.000	2.000
CCV - 1	30 Jun 2014 13:50:52	CK STND	ug/l	107.4% 2.6861	16940	1.000	1.000
CCB - 1	30 Jun 2014 13:52:25	CK STND	ug/l	-0.0372	-106	1.000	1.000
MP80382-S1 - 1	30 Jun 2014 13:53:58	SMPL	ug/l	2.0614	13030	1.000	1.000
MP80382-S2 - 1	30 Jun 2014 13:55:17	SMPL	ug/l	1.9667	12437	1.000	1.000
JB69784-1 - 1	30 Jun 2014 13:56:49	SMPL	ug/l	-0.0369	-104	1.000	1.000
JB69784-2 - 1	30 Jun 2014 13:58:22	SMPL	ug/l	-0.0249	-29	1.000	1.000
JB69784-3 - 1	30 Jun 2014 13:59:41	SMPL	ug/l	0.0572	485	1.000	1.000
JB69784-4 - 1	30 Jun 2014 14:01:01	SMPL	ug/l	0.0067	169	1.000	1.000
JB69766-1 - 1	30 Jun 2014 14:02:21	SMPL	ug/l	0.0837	651	1.000	1.000
JB69778-1 - 1	30 Jun 2014 14:03:40	SMPL	ug/l	0.1395	1000	1.000	1.000
JB69813-1 - 1	30 Jun 2014 14:04:59	SMPL	ug/l	0.1273	924	1.000	1.000
JB69813-2 - 1	30 Jun 2014 14:06:19	SMPL	ug/l	0.1896	1314	1.000	1.000
CCV - 1	30 Jun 2014 14:07:38	CK STND	ug/l	109.1% 2.7274	17199	1.000	1.000
CCB - 1	30 Jun 2014 14:08:57	CK STND	ug/l	-0.0299	-60	1.000	1.000
JB69813-3 - 1	30 Jun 2014 14:10:32	SMPL	ug/l	-0.0005	124	1.000	1.000
JB69764-1A - 1	30 Jun 2014 14:11:48	SMPL	ug/l	6.9307	43509	1.000	1.000
JB69764-2A - 1	30 Jun 2014 14:13:07	SMPL	ug/l	15.6305	97964	1.000	1.000
JB69764-3A - 1	30 Jun 2014 14:14:52	SMPL	ug/l	31.9706	200243	1.000	1.000
JB69993-1 - 1	30 Jun 2014 14:16:54	SMPL	ug/l	-0.1136	-584	1.000	1.000
JB69764-5A - 1	30 Jun 2014 14:19:04	SMPL	ug/l	8.5946	53924	1.000	1.000
JB69764-6A - 1	30 Jun 2014 14:20:25	SMPL	ug/l	4.4227	27810	1.000	1.000
JB69764-7A - 1	30 Jun 2014 14:22:24	SMPL	ug/l	6.4698	40624	1.000	1.000
JB69764-8A - 1	30 Jun 2014 14:24:28	SMPL	ug/l	1.3048	8294	1.000	1.000
JB70294-1A - 1	30 Jun 2014 14:26:20	SMPL	ug/l	-0.0610	-255	1.000	1.000
CCV - 1	30 Jun 2014 14:27:50	CK STND	ug/l	106.6% 2.6659	16814	1.000	1.000
CCB - 1	30 Jun 2014 14:29:08	CK STND	ug/l	-0.0709	-317	1.000	1.000
JB69709-2A - 1	30 Jun 2014 14:30:42	SMPL	ug/l	0.0460	415	1.000	1.000

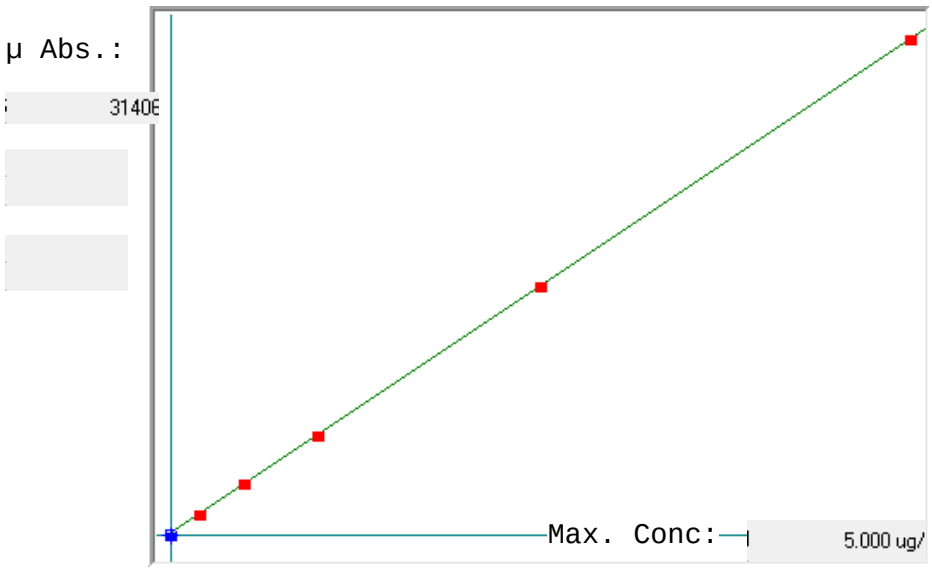
ma34346

Method: ACCUTEST Operator: Admin Date of Analysis: 30 Jun 2014 12:19:22

Sample ID	Date	Type	Units	Conc.	µ Abs.	Wt.	Vol.
JB69926-18 - 1	30 Jun 2014 14:32:01	SMPL	ug/l	0.1599	1128	1.000	1.000
MP80383-MB1 - 1	30 Jun 2014 14:33:21	SMPL	ug/l	-0.0428	-141	1.000	1.000
MP80383-LC1 - 1	30 Jun 2014 14:34:41	SMPL	ug/l	5.9645	18794	1.000	2.000
MP80383-S1 - 1	30 Jun 2014 14:36:00	SMPL	ug/l	2.1045	13300	1.000	1.000
MP80383-S2 - 1	30 Jun 2014 14:37:36	SMPL	ug/l	2.0283	12823	1.000	1.000
JB70284-2 - 1	30 Jun 2014 14:39:07	SMPL	ug/l	-0.0436	-146	1.000	1.000
JB70284-1 - 1	30 Jun 2014 14:40:39	SMPL	ug/l	0.1428	1021	1.000	1.000
JB70284-3 - 1	30 Jun 2014 14:41:59	SMPL	ug/l	-0.0011	120	1.000	1.000
JB70484-2A - 1	30 Jun 2014 14:44:23	SMPL	ug/l	17.0353	21453	1.000	5.000
CCV - 1	30 Jun 2014 14:45:41	CK STND	ug/l	107.2% 2.6792	16897	1.000	1.000
CCB - 1	30 Jun 2014 14:47:16	CK STND	ug/l	-0.0633	-269	1.000	1.000
JB70490-1 - 1	30 Jun 2014 14:48:52	SMPL	ug/l	3.0115	18977	1.000	1.000
JB70490-19 - 1	30 Jun 2014 14:50:12	SMPL	ug/l	8.1235	25551	1.000	2.000
JB70490-29 - 1	30 Jun 2014 14:51:45	SMPL	ug/l	0.0189	245	1.000	1.000
JB69764-1A - 1	30 Jun 2014 14:53:24	SMPL	ug/l	7.0499	22191	1.000	2.000
JB69764-2A - 1	30 Jun 2014 14:54:44	SMPL	ug/l	16.7030	21037	1.000	5.000
JB69764-3A - 1	30 Jun 2014 14:56:22	SMPL	ug/l	36.3743	22895	1.000	10.000
JB69993-1 - 1	30 Jun 2014 14:57:59	SMPL	ug/l	0.0981	741	1.000	1.000
CONF - 1	30 Jun 2014 14:59:35	SMPL	ug/l	1.6915	10715	1.000	1.000
JB69764-7A - 1	30 Jun 2014 15:00:55	SMPL	ug/l	6.6422	20915	1.000	2.000
JB69764-5A - 1	30 Jun 2014 15:06:59	SMPL	ug/l	9.2374	11691	1.000	5.000
CCV - 1	30 Jun 2014 15:08:16	CK STND	ug/l	106.7% 2.6672	16822	1.000	1.000
CCB - 1	30 Jun 2014 15:09:46	CK STND	ug/l	-0.0428	-141	1.000	1.000
CRI - 1	30 Jun 2014 15:50:43	SMPL	ug/l	0.2388	1622	1.000	1.000
CCV - 1	30 Jun 2014 15:52:18	CK STND	ug/l	(H)110.9% 2.7723	17480	1.000	1.000
CCB - 1	30 Jun 2014 15:53:34	CK STND	ug/l	-0.0248	-28	1.000	1.000

ACCUTEST

Linear



A= 0.0000e+000

B= 1.5976e-004

C= -2.0284e-002

Rho= 0.9999932

Accept=Accepted

Accepted Date=

06/30/14 12:30

11.5.1 11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
STDA	0.000	-0.010	-0.010	66	0.000	66				
STDB	0.200	0.197	-0.003	1362	0.0 %	1362				
STDC	0.500	0.511	0.011	3328	0.0 %	3328				
STDD	1.000	1.001	0.001	6390	0.0 %	6390				
STDE	2.500	2.503	0.003	15796	0.0 %	15796				
STDF	5.000	4.997	-0.003	31406	0.0 %	31406				

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA 34338
Analyst: JW
Date: 6/27/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 420

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID 2 Start Time: 8:30 Temp: 95 C End time: 10:30 Temp: 95 C Tubes: 1 to 68
Hot Block ID ___ Start Time ___ Temp: ___ End time: ___ Temp: ___ Tubes: ___

Bot #	Sample ID	pH <2 Y/N	Initial Samp Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		30	30	3.0 ML	Y	0.03		0.030 ppm Hg std.(Ext)
2	ICB								
	CCV				2.5 ML	Y	0.03		0.030 ppm Hg std.
	CCB								
3	CRA				2.0 ML	Y	0.003		0.003 ppm Hg std.
4	mp80327-mb1	N						80327	
5	LCS	Y			2.0	Y	0.03		SW846
6	S1	Y				Y			
7	S2					Y			JB69748-1 (JW) 6/27/14
8	JB69748-1								
9	JB69653-1								
10	-2								
11	-3								
12	-4								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
13	JB69653-5								
14	-6								
15	-7								
16	JB69949-9								
17	JB64500-56								
18	-57								
19	JB69567-6								
20	-6F								
21	JB69716-13								
22	JB69746-1								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
23	JB69740-2								
24	-3								
25	-4								
26	JB69764-4A								
27	mp80330-mb1	N						80330	
28	LCS	Y			2.0	Y	0.03		
29	S1	Y				Y			
30	S2					Y			JB69800-4
31	JB S3					Y			
32	S4					Y			JB69800-4F
	CCV					Y			
	CCB				2.5 ML	Y	0.03		0.03 ppm Hg std.

Form GN022A-02
Revision Date: 03/25/13

ANALYST: [signature]
QC REVIEWER: [signature]

DATE: 6/27/14
DATE: 6/27/14

ACCUTEST

Mercury Digestion Log

Product HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34338
Analyst: SV
Date: 6/27/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 4RW

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID 2 Start Time: 8:30 Temp: 95 End time: 10:30 Temp: 95 Tubes: 1 to 68

Hot Block ID ___ Start Time ___ Temp: ___ End time: ___ Temp: ___ Tubes: ___

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
33	JB69800-4	Y	30	30					SW846
34	-4F								
35	-1								
36	-2								
37	-3								
38	-4								
39	-5								
40	-6								
41	-7								
42	-8F								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
43	JB69800-2F								
44	-3F								
45	-5F								
46	-6F								
47	-7F								
48	-8F								
49	mp80331mB1								
50	LCS								
51	51				2.0	Y	0.03		
52	52								JB69806-3
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
53	JB69806-1								
54	-2								
55	-3								
56	-4								
57	-5								
58	-6								
59	-7								
60	JB69956-1								
61	-2								
62	-3								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02
Revision Date: 03/25/13

ANALYST: [signature]
QC REVIEWER: ___

DATE: 6/27/14
DATE: ___

11.6.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34338
Analyst: PW
Date: 6/27/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 4620

Methods (Circle as appropriate)

EPA 245.1 **SW846 7470A**

Type of Digestion:

Hot Block ID 7 Start Time: 10:30 Temp: 95 End time: 12:30 Temp: 95 Tubes: 67 TO 100

Hot Block ID ___ Start Time ____ Temp: ____ End time: ____ Temp: ____ Tubes: ____

Bot #	Sample ID	pH <2 Y/N	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
63	JB69956-4	Y	30	30					SW846
64	-5								
65	-6								
66	-7								
67	JB69962-6								
68	JB69926-11								
69	MP80346-B1							[redacted]	
70	LCS				2.0	Y	0.03		
71	S1								JB69886-3
72	S2								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
73	JB69886-1								
74	-2								
75	-3								
76	-6								
77	-9								
78	-6								
79	-7								
80	-8								
81	-10								
82	-20								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
83	JB69886-30								
84	-40								
85	-50								
86	-60								
87	-70								
88	-80								
89	MP80347-B1							[redacted]	
90	LCS				2.0	Y	0.03		
91	S1								JB69781-1
92	S2								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								
93	JB69781-1								
94	-2								
95	-3								
96	-4								
97	JB69964-10								
98	-20								
99	-30								
100	-40								
	CCV				2.5 ML	Y	0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02

ANALYST: [signature]

DATE: 6/27/14

11.6.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG
Matrix: Aq / Liq / DW

MA Batch: MA34338
Analyst: TW
Date: 6/27/14
Balance: N/A
Reagents: See attached sheet
Thermometer ID: 620

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A

Type of Digestion:

Hot Block ID 7 Start Time: 1033 Temp: 95 End time: 1236 Temp: 95 Tubes: 5 to 16

Hot Block ID ___ Start Time _____ Temp: ____ End time: ____ Temp: ____ Tubes: _____

Bot #	Sample ID	pH <2 Y/N	Initial Samp Vol ml	Final Samp Vol ml	Spiked Used: Amount Spiked	Spiked Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		30	30	3.0 ML		0.03		0.030 ppm Hg std.(Ext)
2	ICB								
	CCV				2.5 ML		0.03		0.030 ppm Hg std.
	CCB								
3	CRA				2.0 ML		0.003		0.003 ppm Hg std.
4	DW -4F								
5	JB69564 -5F	Y							SW846
6	-6F								
7	-7F								
8	-8F								
9	JB70010 -1								
10	JB70021 -1								
11	-2								
12	-3								
	CCV				2.5 ML	✓	0.03		0.03 ppm Hg std.
	CCB								
13	JB70021 -4								
14	-5								
15	-6								
16	-7								
17	MP 80367 Zn14	~	30	30					
18	Zn1				2.0	✓	0.03		
19									
20									
21									
22									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								
23									
24									
25									
26									
27									
28									
29									
30									
31									
32									
	CCV				2.5 ML		0.03		0.03 ppm Hg std.
	CCB								

Form GN022A-02
Revision Date: 03/25/13

ANALYST: [signature]
QC REVIEWER: _____

DATE: 6/27/14
DATE: _____

11.6.1 11

ACCUTEST.

Mercury Digestion Log

Product: HG / EHG / HGCLP
Matrix: Aq / Liq

MA Batch #: MA 34338
Analyst: TW
Date: 6/27/14
Balance ID: N/A
Reagents: See attached sheet
Thermometer ID: 420

Methods (Circle as appropriate)

EPA 245.1 SW846 7470A EPA 245.1 CLP-M

Type of Digestion:

Hot Block: Start Time: 8:30 Temp: 95 C End time: 10:30 Temp: 95 C

Water Bath Start Time: _____ Temp: _____ End time: _____ Temp: _____

Bot #	Sample ID	Initial Sample Vol ml	Final Samp Vol ml	Spiked Used Amount Spiked	Spiked Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	30 ml	30 ml	0.0 ml				
S-2	0.20 ug/l standard	30 ml	30 ml	2.0 ml	Y	0.0030		
S-3	0.50 ug/l standard	30 ml	30 ml	5.0 ml	Y	0.0030		
S-4	1.00 ug/l standard	30 ml	30 ml	1.0 ml	Y	0.0300		
S-5	2.50 ug/l standard	30 ml	30 ml	2.5 ml	Y	0.0300		
S-6	5.00 ug/l standard	30 ml	30 ml	5.0 ml	Y	0.0300		

Analyst: _____ Date: 6/27/14
QC Reviewer: _____ Date: _____

Form: GN-022A3
Rev. Date: 03/25/13

11.6.1 11

ACCUTEST.

Reagent Information Log- Hg Waters

MA # 34338

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher 141489
Conc. Nitric Acid	6/16	Baker 74185
Sodium Chloride-Hydroxylamine Hydrochloride	12/12/14	HG-1482-78-- HGHCL
Potassium Permanganate 5%	12/12/14	HG-1482-76 -- HGKM1
Potassium Persulfate	12/12/14	HG-1482-77 -- HGKS
Stannous Chloride	6/28/14	HG-1496-115 -- HGS
STD Hg standard solution 1000 ppm	1/31/2016	ULTRA JO1211
STD Hg standard solu ion 30 ppb	6/28/14	HG-1496--112 -- HGA3
STD Hg standard solu ion 3 ppb	6/28/14	HG-1496--113 -- HGA4
ICV Hg standard solution 1000 ppm	2/1/2015	IN ORG VENTURE F2-HG0215
ICV Hg standard soluti on 30 ppb	6/28/14	HG-1496--114 --HGB3
Dilution Acid	12/11/14	HG-1458-67 --HGD2(AQ)
Digestion Tubes Lot	N/A	EXPIRES HG-- -- --HGD2(AQ) 140695
pH Paper	N/A	Hydrion Papers 1 to 12, Lot #

Form: GN087A79-03
Rev. Date: 02/27/13

11.6.1

11

ACCUTEST

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #:	MA34346
Analyst:	DARSHAP
Date:	6/30/2014
Balance ID:	24
Reagents:	See attached shee
Thermometer ID:	420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot:Block#: 6/30/14 DT 8 Hot Block: Start Time: 11:30 Temp: 95°-95 End Time: 12:00 Temp: 95°-95 Tubes 4-28
Hot:Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used: Amount Spiked	Spike Used: Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
1	ICV		100	3.0 ml	Y	0.1		
2	ICB							
	CCV			2.5 ml	Y	0.1		
	CCB							
3	CRI			2.0 ml	Y	0.01		
4	MP80381-MB1	0.6062					MP80381	
5	MP80381-LC1	0.1012						
6	MP80381-S1	0.6243		2.0ml	Y	0.1		JB69746-9
7	MP80381-S2	0.6380		2.0ml	Y	0.1		JB69746-9
8	MP80381-D1	0.6087						JB69746-9
9	JB69746-9	0.6179						
10	JB69746-7	0.6436						
11	JB69746-8	0.6188						
12	JB69746-10	0.6224						
	CCV			2.5 ml	Y	0.1		
	CCB							
13	JB70022-1	0.6537						
14	JB70488-1A	0.6268						
15	JB70488-2A	0.6266						
16	JB70488-3A	0.6041						
17	JB70354-3A	0.6496						
18	JB70354-7A	0.6423						
19	JB70484-1A	0.6230						
20	JB70484-2A	0.6406						
21	JB70484-3A	0.6482						
22	JB70484-4A	0.6100						
	CCV			2.5 ml	Y	0.1		
	CCB							
23	JB70484-5A	0.6169						
24	JB70486-1A	0.6093						
25	JB70490-1	0.6088						
26	JB70490-12	0.6318						
27	JB70490-19	0.6313						
28	JB70490-29	0.6017						
29	MP80382-MB1	0.6013					MP80382	
30	MP80382-LC1	0.1016						
31	MP80382-S1	0.6682		2.0ml	Y	0.1		JB69784-1
32	MP80382-S2	0.6759		2.0ml	Y	0.1		JB69784-1
	CCV			2.5 ml	Y	0.1		
	CCB							

Form: GN-022F
Revision Date:06/09/08

ANALYST: _____ DATE: 6/30/14
QC REVIEWER: _____ DATE: _____

11.6.2 11

ACCUTEST

Mercury Digestion Log

Product: **HG / HGCLP / HGLIQ**
Matrix: **Soil**

MA Batch #: MA34346
Analyst: DARSHAP
Date: 6/30/2014
Balance ID: 24
Reagents: See attached shee
Thermometer ID: 420

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

Type of Digestion: Hot:Block#: 7 Hot Block: Start Time: 12:00 Temp: 95°295 End Time: 12:30 Temp: 95°295 Tubes 29-59
Hot:Block#: Hot:Block: Start Time:_____ Temp:_____ End Time:_____ T Temp: Tubes

Bot #	Sample ID	Initial Sample Wt. in g	Final Samp Vol ml	Spike Used Amount Spiked	Spike Used Added-Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
33	JB69784-1	0.6582	100					
34	JB69784-2	0.6341						
35	JB69784-3	0.606						
36	JB69784-4	0.6538						
37	JB69766-1	0.6254						
38	JB69778-1	0.6543						
39	JB69813-1	0.6283						
40	JB69813-2	0.6671						
41	JB69813-3	0.6406						
42	JB69764-1A	0.6042						
	CCV			2.5 ml	Y	0.1		
	CCB							
43	JB69764-2A	0.6145						
44	JB69764-3A	0.6067						
45	JB69993-1	0.6443						
46	JB69764-5A	0.6537						
47	JB69764-6A	0.6141						
48	JB69764-7A	0.6242						
49	JB69764-8A	0.6204						
50	JB70294-1A	0.6252						
51	JB69709-2A	0.6407						
52	JB69926-18	0.6627						
	CCV			2.5 ml	Y	0.1		
	CCB							
53	MP80383-MB1	0.6000					MP80383	
54	MP80383-LC1	0.1011						
55	MP80383-S1	0.6338		2.0ml	Y	0.1		JB70284-2
56	MP80383-S2	0.6253		2.0ml	Y	0.1		JB70284-2
57	JB70284-2	0.6433						
58	JB70284-1	0.6347						
59	JB70284-3	0.6371						
60								
61								
62								
	CCV			2.5 ml	Y	0.1		
	CCB							
63								
64								
65								
66								

Form: GN-022F
Revision Date:06/09/08

ANALYST: [signature] DATE: 6/30/14
QC REVIEWER: _____ DATE: _____

11.6.2 11

ACCUTEST.

Mercury Digestion Log

Product: HG / HGCLP / HGLIQ
Matrix: Soil

Methods (Circle as appropriate)

SW846 7471B **EPA 245.5 CLP-M**

MA Batch #:	MA34346
Analyst:	DARSHAP
Date:	6/30/2014
Balance ID:	24
Reagents:	See attached sheet
Thermometer ID:	420

Type of Digestion: Hot Block#: 7 Hot:Block: Start Time: 11:30 Temp: 95°295 End Time: 12:00 TTemp: 95°295 Tubes
Hot Block#: Hot:Block: Start Time: _____ Temp: _____ End Time: _____ TTemp: Tubes

Bot #	Sample ID	Initial Sample Vol in ml	Final Sample Vol in ml	Spiked Used Amount Spiked	Spiked Used Added- Y or N	Spikelot and Conc (mg/L)	MP Number	Comments
S-1	Calibration Blank	100 ml	100 ml	N/A	N	N/A	N/A	N/A
S-2	0.20 ug/l standard	100 ml	100 ml	2.0 ml	Y	0.0100	N/A	
S-3	0.50 ug/l standard	100 ml	100 ml	5.0 ml	Y	0.0100	N/A	
S-4	1.00 ug/l standard	100 ml	100 ml	1.0 ml	Y	0.1000	N/A	
S-5	2.50 ug/l standard	100 ml	100 ml	2.5 ml	Y	0.1000	N/A	
S-6	5.00 us/l standard	100 ml	100 ml	5.0 ml	Y	0.1000	N/A	

Analyst: [signature] **Date:** 6/30/14
QC Reviewer: _____ **Date:** _____

Form: GN-022E
Rev. Date: 06/09/08

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ACCUTEST.

Reagent Information Log- Hg Soil

MA # 34346

Reagents	Exp. Date	Reagent # or manufacturer lot #
Conc. Sulfuric Acid	6/16	Fisher · 141489
Conc. Nitric Acid	6/20/16	Baker · 000074185
Sodium Chloride-Hydroxylamine Hydrochloride	12/20/14	HG-1492-112--HGHCL
Potassium Permanganate	12/20/14	HG-1492-110--HGKM2
Stannous Chloride	7/01/14	HG-1492-136--HGS
STD Hg standard solution 1000 ppm	1/31/16	Ultra · J01211
STD Hg standard solution 100 ppb	7/01/14	HG-1492-133--HGA1
STD Hg standard solution 10 ppb	7/01/14	HG-1492-134--HGA2
ICV Hg standard solution 1000 ppm	2/1/15	In. Org. venture · F2-Hg02105
ICV Hg standard solution 50 ppb	7/01/14	HG-1492-135--HGB1
Solid Lab control	11/14/16	D0-82-540 · ERA
Aqua Regia	7/1/14	HG-1492-137--HGKAQ
Dilution acid	12/12/14	HG-1492-79--HGD1
Digestion Tubes Lot	N/A	Envi Cogress · 1404095
Teflon Chips	N/A	Saint gobain · F718-29022

Form: GN087A80-03
Rev. Date: 10/15/12

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ACCUTEST LABORATORIES

Accutest Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP80218	6/23/2014	9:00	6/23/2014	15:00		

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	7	3	92	0	92
1	End	7	3	94	0	94
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M-54	1312222	

Sample ID	Bottle Number	Pres (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP80218-MB1	N/A	N	50	50	A & B		
JB64500-55	3	Y	50	50	A & B		
JB64500-56	2	Y	50	50	A & B		
JB64500-57	2	Y	50	50	A & B		
JB69446-3	7	Y	50	50	A & B		
JB69716-13	3	Y	50	50	A & B		
JB69763-15	3	Y	50	50	A & B		
JB69764-4A	7	Y	50	50	A & B		
JB69912-2	3	Y	50	50	A & B		
JB69926-11	3	Y	50	50	A & B		
JB69974-6	1	Y	50	50	A & B		
MP80218-LC1	N/A	Y	50	50	A & B		

Reagents Groups

Group	Description	MLs Used
A	CONC HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	0.5
B	MIN1	0.5
C		
D		
E		
F		
G		
H		

Comments: _____

Analyst AMIRAHH **Approved by** Wendyz **Approved on** 6/23/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Aqueous Digestion Reagent Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 80218
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	12/18/14	MP-013-661 -SP
Spiking Solution - Min. Spike	12/14/14	MP-013-658 -MIN1
Spiking Solution - Odd Spike	~~0~~12/16/14	MP-013-660 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	06/2016	E-000000 74185 J.T.Baker
Nitric Acid (1:1)		MP-013-20- -HNO3 (1:1)
Hydrochloric Acid	12/20/14	MP-013-20-200 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	09/01/14	MP-~~0~~151-118 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC0104444 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 131222 Mfg. Environmental Express
pH Paper	10/15/16	Hydrion Paper 1 to 12, lot # 228713

Form: AA014B-01
Rev. Date: 5/12/08

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ACCUTEST LABORATORIES

Solids/Soil Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP80276	6/25/2014	9:30	6/25/2014	1400	JB69784-1	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp
1	Start	4	394	B41	91	0	91
1	End	4	394	NA	91	0	91
2	Start						
2	End			NA			

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3050B	Digestion Block		M-54	1312222	

Sample ID	Bottle ID	Final Volume (ML)	Wet Weight (G)	Reagent Groups Added	Spike Groups Added	Comments
MP80276-MB1	N/A	50	0.55	ABCD		
MP80276-B1	N/A	50	0.51	ABCD	AB	
MP80276-S1	1	50	0.72	ABCD	AB	
MP80276-S2	1	50	0.78	ABCD	AB	
MP80276-SD1	1	50	0.74	ABCD		
JB69630-4A	1	50	0.62	ABCD		
JB69630-5A	1	50	0.71	ABCD		
JB69630-6A	1	50	0.71	ABCD		
JB69630-7A	1	50	0.63	ABCD		
JB69630-8A	1	50	0.61	ABCD		
JB69630-9A	1	50	0.75	ABCD		
JB69716-1	2	50	0.87	ABCD		
JB69764-1A	1	50	0.57	ABCD		
JB69764-2A	1	50	0.89	ABCD		
JB69764-3A	1	50	0.98	ABCD		
JB69764-5A	1	50	0.74	ABCD		
JB69764-6A	1	50	0.56	ABCD		
JB69764-7A	1	50	0.63	ABCD		
JB69764-8A	1	50	0.64	ABCD		
JB69778-1	2	50	0.54	ABCD		
JB69784-1	1	50	0.74	ABCD		
JB69784-2	1	50	0.84	ABCD		
JB69784-3	1	50	0.80	ABCD		
JB69784-4	1	50	0.71	ABCD		
JB69926-18	1	50	0.50	ABCD		

Reagents Groups

Group	Description	MLs Used
A	1:1 HNO3	5
B	CONC HNO3	2.5
C	30% H2O2	4
D	CONC HCL	5
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	SP	1
B	MIN2	1
C		
D		
E		
F		
G		
H		

Comments:

Analyst GINAM **Approved by** RAKESHP **Approved on** 6/25/2014

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST.

Soil Digestion Reagents Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 80276
Matrix: SOIL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	12-18-14	MP-013-6061 -SP
Spiking Solution - Min. Spike	12-14-14	MP-013-6059 -MIN2
Spiking Solution - Odd Spike	4-29-14	MP-013-6047 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	6/2016	# Batch NO: 74185 JT Baker
Nitric Acid (1:1)	12/24/14	MP-013-20-201 -HNO3 (1:1)
Hydrochloric Acid	6/2016	# Batch NO: 686623 JT Baker
Hydrogen Peroxide	6/2016	Lot #: 142358 Mfg. Fisher Sci.
Lab Control	6/17/15	Lot #: D082-540 Mfg. ERA
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: ~~TC010441~~ 401077555 Mfg. ~~Fisher Sci~~ ENVIRON. Exp. 6/25/14 CM
Digestion Tubes Lot	N/A	Lot #: 1312222 Mfg. ENVIRON. Exp.
Teflon Chips	N/A	Batch #: F718-2G022 Saint-Gobain

Form: AA014A-02
Rev. Date: 10/15/12

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New Jersey ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB69926-1 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 389-UST-6-PE-1

Wet Weight (Total)	29.22	g
Tare Weight	23.29	g
Dry Weight (Total)	28.12	g
Solids, Percent	81.5	%

Sample: JB69926-2 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 390-UST-6-PE-2

Wet Weight (Total)	31.14	g
Tare Weight	24.42	g
Dry Weight (Total)	30.32	g
Solids, Percent	87.8	%

Sample: JB69926-3 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 391-UST-6-PE-3

Wet Weight (Total)	29.66	g
Tare Weight	21	g
Dry Weight (Total)	28.72	g
Solids, Percent	89.1	%

Sample: JB69926-4 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 392-UST-6-PE-4

Wet Weight (Total)	31.37	g
Tare Weight	25.09	g
Dry Weight (Total)	30.17	g
Solids, Percent	80.9	%

Sample: JB69926-5 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 393-UST-6-PE-5

Wet Weight (Total)	30.72	g
Tare Weight	21.77	g
Dry Weight (Total)	29.56	g
Solids, Percent	87	%

Sample: JB69926-6 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 394-UST-4-PE-1

Wet Weight (Total)	31.67	g
Tare Weight	24.68	g
Dry Weight (Total)	30.87	g
Solids, Percent	88.6	%

Percent Solids Raw Data Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB69926-7 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 395-UST-4-PE-2

Wet Weight (Total)	29.31	g
Tare Weight	22.42	g
Dry Weight (Total)	28.48	g
Solids, Percent	88	%

Sample: JB69926-8 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 396-UST-4-PE-3

Wet Weight (Total)	30.88	g
Tare Weight	24.22	g
Dry Weight (Total)	30.18	g
Solids, Percent	89.5	%

Sample: JB69926-9 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 397-UST-4-PE-4

Wet Weight (Total)	31.16	g
Tare Weight	22.95	g
Dry Weight (Total)	30.2	g
Solids, Percent	88.3	%

Sample: JB69926-10 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 398-UST-4-PE-5

Wet Weight (Total)	33.56	g
Tare Weight	25.94	g
Dry Weight (Total)	32.6	g
Solids, Percent	87.4	%

Sample: JB69926-13 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 334-PE-100

Wet Weight (Total)	27.84	g
Tare Weight	19.76	g
Dry Weight (Total)	27	g
Solids, Percent	89.6	%

Sample: JB69926-14 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 335-PE-101

Wet Weight (Total)	28.64	g
Tare Weight	21.16	g
Dry Weight (Total)	27.63	g
Solids, Percent	86.5	%

Percent Solids Raw Data Summary

Job Number: JB69926
Account: LANGAN Langan Engineering & Environmental
Project: Carroll Gardens, 363-365 Bond Street, Brooklyn, NY

Sample: JB69926-15 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 336-PE-102

Wet Weight (Total)	26.18	g
Tare Weight	19.49	g
Dry Weight (Total)	25.37	g
Solids, Percent	87.9	%

Sample: JB69926-16 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 337-PE-103

Wet Weight (Total)	28.61	g
Tare Weight	22.78	g
Dry Weight (Total)	27.77	g
Solids, Percent	85.6	%

Sample: JB69926-17 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 338-PE-104

Wet Weight (Total)	28.6	g
Tare Weight	20.74	g
Dry Weight (Total)	27.85	g
Solids, Percent	90.5	%

Sample: JB69926-18 **Analyzed:** 25-JUN-14 by NR **Method:** SM2540 G-97
ClientID: 399-PE-17

Wet Weight (Total)	30.29	g
Tare Weight	24.96	g
Dry Weight (Total)	28.07	g
Solids, Percent	58.3	%

New Jersey ACCUTEST LABORATORIES

Misc. Raw Data

Raw Data

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
6/12/2014-2844	JB69926-1.2	36.5400	41.4400	4.9000	6/20/2014 7:00:11 PM	dk010	jp	10ml MeOH	
6/12/2014-2808	JB69926-1.4	34.4000	40.4300	6.0300	6/20/2014 7:01:11 PM	di	BK	DI water	
6/12/2014-2829	JB69926-10.2	37.1300	42.8200	5.6900	6/20/2014 7:14:31 PM	dk010	jp	10ml MeOH	
6/12/2014-2773	JB69926-10.3	34.8800	40.0900	5.2100	6/20/2014 7:14:49 PM	di	BK	DI water	
6/12/2014-2774	JB69926-10.4	34.5000	39.9800	5.4800	6/20/2014 7:15:15 PM	di	BK	DI water	
5/20/2014-4502	JB69926-13.2	36.4200	42.3900	5.9700	6/20/2014 7:17:13 PM	dk010	jp	10ml MeOH	
5/29/2014-5920	JB69926-13.3	34.2800	40.6800	6.4000	6/20/2014 7:17:57 PM	di	jp	DI water	
5/29/2014-5921	JB69926-13.4	34.7400	41.2200	6.4800	6/20/2014 7:18:34 PM	di	jp	DI water	
5/20/2014-4510	JB69926-14.2	36.7800	43.1400	6.3600	6/20/2014 7:18:59 PM	dk010	jp	10ml MeOH	
5/29/2014-5936	JB69926-14.3	34.2700	40.3900	6.1200	6/20/2014 7:19:20 PM	di	jp	DI water	
5/29/2014-5937	JB69926-14.4	34.7500	41.6200	6.8700	6/20/2014 7:19:51 PM	di	jp	DI water	
5/20/2014-4496	JB69926-15.2	36.6700	42.8800	6.2100	6/20/2014 7:20:16 PM	dk010	jp	10ml MeOH	
5/29/2014-5908	JB69926-15.3	34.2400	40.3940	6.1540	6/20/2014 7:20:43 PM	di	jp	DI water	
5/29/2014-5909	JB69926-15.4	34.3200	41.3000	6.9800	6/20/2014 7:21:25 PM	di	jp	DI water	
5/20/2014-4498	JB69926-16.2	36.6200	42.8300	6.2100	6/20/2014 7:22:06 PM	dk010	jp	10ml MeOH	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
5/29/2014-5912	JB69926-16.3	34.5900	41.2800	6.6900	6/20/2014 7:22:34 PM	di	jp	DI water	
5/29/2014-5913	JB69926-16.4	34.7500	41.4000	6.6500	6/20/2014 7:22:44 PM	di	jp	DI water	
5/20/2014-4515	JB69926-17.2	36.4800	42.9100	6.4300	6/20/2014 7:23:02 PM	dk010	jp	10ml MeOH	
5/29/2014-5946	JB69926-17.3	34.5800	41.1200	6.5400	6/20/2014 7:23:23 PM	di	jp	DI water	
5/29/2014-5947	JB69926-17.4	34.8000	41.0200	6.2200	6/20/2014 7:23:54 PM	di	jp	DI water	
6/12/2014-2845	JB69926-18.2	36.5200	41.1800	4.6600	6/20/2014 7:24:32 PM	dk010	jp	10ml MeOH	
6/12/2014-2809	JB69926-18.3	34.7300	39.4800	4.7500	6/20/2014 7:25:04 PM	di	BK	DI water	
6/12/2014-2810	JB69926-18.4	34.6400	39.3600	4.7200	6/20/2014 7:25:27 PM	di	BK	DI water	
6/12/2014-2843	JB69926-2.2	36.6700	42.6700	6.0000	6/20/2014 7:01:51 PM	dk010	jp	10ml MeOH	
6/12/2014-2805	JB69926-2.3	34.2500	39.3900	5.1400	6/20/2014 7:02:19 PM	di	BK	DI water	
6/12/2014-2806	JB69926-2.4	34.8000	41.2000	6.4000	6/20/2014 7:03:15 PM	di	BK	DI water	
6/12/2014-2849	JB69926-3.2	36.5500	42.8900	6.3400	6/20/2014 7:03:51 PM	dk010	jp	10ml MeOH	
6/12/2014-2817	JB69926-3.3	34.3500	41.9000	7.5500	6/20/2014 7:05:16 PM	di	BK	DI water	
6/12/2014-2818	JB69926-3.4	34.3400	39.7300	5.3900	6/20/2014 7:06:21 PM	di	BK	DI water	
6/12/2014-2832	JB69926-4.2	36.7700	41.1800	4.4100	6/20/2014 7:06:49 PM	dk010	jp	10ml MeOH	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
6/12/2014-2783	JB69926-4.3	34.5900	40.2800	5.6900	6/20/2014 7:07:14 PM	di	BK	DI water	
6/12/2014-2784	JB69926-4.4	34.6900	40.1800	5.4900	6/20/2014 7:07:41 PM	di	BK	DI water	
6/12/2014-2839	JB69926-5.2	36.3600	41.7500	5.3900	6/20/2014 7:08:06 PM	dk010	jp	10ml MeOH	
6/12/2014-2797	JB69926-5.3	34.4100	40.0900	5.6800	6/20/2014 7:08:26 PM	di	BK	DI water	
6/12/2014-2798	JB69926-5.4	34.6000	40.1500	5.5500	6/20/2014 7:09:11 PM	di	BK	DI water	
6/12/2014-2827	JB69926-6.2	36.7100	42.3200	5.6100	6/20/2014 7:09:39 PM	dk010	jp	10ml MeOH	
6/12/2014-2777	JB69926-6.3	34.1600	39.6400	5.4800	6/20/2014 7:10:20 PM	di	BK	DI water	
6/12/2014-2778	JB69926-6.4	34.1400	39.8100	5.6700	6/20/2014 7:10:33 PM	di	BK	DI water	
6/12/2014-2824	JB69926-7.2	36.5800	41.6500	5.0700	6/20/2014 7:11:00 PM	dk010	jp	10ml MeOH	
6/12/2014-2767	JB69926-7.3	34.7700	39.8700	5.1000	6/20/2014 7:11:23 PM	di	BK	DI water	
6/12/2014-2768	JB69926-7.4	34.2200	39.9900	5.7700	6/20/2014 7:11:42 PM	di	BK	DI water	
6/12/2014-2842	JB69926-8.2	36.8300	41.7400	4.9100	6/20/2014 7:12:09 PM	dk010	jp	10ml MeOH	
6/12/2014-2803	JB69926-8.3	34.5200	39.9400	5.4200	6/20/2014 7:12:31 PM	di	BK	DI water	
6/12/2014-2804	JB69926-8.4	34.4900	40.4440	5.9540	6/20/2014 7:12:52 PM	di	BK	DI water	
6/12/2014-2837	JB69926-9.2	36.7100	41.9741	5.2641	6/20/2014 7:13:35 PM	dk010	jp	10ml MeOH	

Methanol Prep Log

Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By	Vial Desc:	Comments
6/12/2014-2793	JB69926-9.3	34.2200	40.2900	6.0700	6/20/2014 7:13:57 PM	di	BK	DI water	
6/12/2014-2794	JB69926-9.4	34.6000	40.2600	5.6600	6/20/2014 7:14:13 PM	di	BK	DI water	